Volume II

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Reference Listings

I/O to Components and I/Cs List

Main Board 410289

% Revised: September 16, 1996

PARTS

CSM2012 = CD01, % 0.1UF
C1, % 0.1UF
CD02, % 0.1UF
C2, % 0.1UF
CD03, % 0.1UF
C3, % 0.1UF
CD05, % 0.1UF
CD06, % 0.1UF
CD07, % 0.1UF
CD08, % 0.1UF
CD09, % 0.1UF
CD10, % 0.1UF
CD11, % 0.1UF
CD12, % 0.1UF
CD14, % 0.1UF
CD15, % 0.1UF
C16, % 0.1UF
CD16, % 0.1UF
CD17, % 0.1UF
C17, % 0.1UF
C18, % 0.1UF
CD18, % 0.1UF
CD19, % 0.1UF
C19, % 0.1UF
C20, % 0.1UF
CD20, % 0.1UF
CD21, % 0.1UF
CD22, % 0.1UF
CD25, % 0.1UF
CD26, % 0.1UF
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CD30, % 0.1UF
CD31, % 0.1UF
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CD33, % 0.1UF
CD34, % 0.1UF
C34, % 0.1UF
CD35, % 0.1UF
CD36, % 0.1UF
CD37, % 0.1UF
CD38, % 0.1UF
C40, % 0.1UF
C41, % 0.1UF
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C174, % 0.1UF
C178, % 0.1UF
C188, % 0.1UF
C189, % 0.1UF
C191, % 0.1UF
C204, % 0.1UF
C205, % 0.1UF
C210, % 0.1UF
C211, % 0.1UF
C213; % 0.1UF
CRE_A_01 = C217, % 0.1UF
C218; % 0.1UF
CSM2012 = C501, % 0.1UF
C502; % 0.1UF
CSM3225 = C57, % 0.22UF
C63; % 0.22UF
RSM2012 = R151, % 0R
R153, % 0R
R156, % 0R
R157; % 0R
LINK0805 = R212; % 0R
RSM2012 = R362, % 0R
R363; % 0R
LINK0805 = R466, % 0R
R469; % 0R
CRE_A_05 = C103, % 1000UF
C108; % 1000UF
RSM2012 = R28, % 100K
R93, % 100K
R301, % 100K
R302; % 100K
CSM2012 = C14, % 100PF

C15, % 100PF
C21, % 100PF
C22, % 100PF
C39, % 100PF
C49, % 100PF
C50, % 100PF
C54, % 100PF
C56, % 100PF
C164, % 100PF
C177, % 100PF
C179, % 100PF
C180, % 100PF
C190, % 100PF
C193, % 100PF
C195, % 100PF
C196, % 100PF
C197, % 100PF
C198, % 100PF
C199, % 100PF
C200, % 100PF
C201, % 100PF
C202, % 100PF
C203, % 100PF
C208, % 100PF
C212, % 100PF
C215; % 100PF

RSM2012 = R137, % 100R
R149, % 100R
R150, % 100R
R236, % 100R
R240, % 100R
R276, % 100R
R283, % 100R
R289, % 100R
R290, % 100R
R291, % 100R
R295; % 100R

CRE_A_02 = C97, % 100UF
C100, % 100UF
C109; % 100UF

RSM2012 = R1, % 10K
R10, % 10K
R41, % 10K
R48, % 10K
R54, % 10K
R159, % 10K
R163, % 10K
R167, % 10K
R217, % 10K
R229, % 10K
R230, % 10K
R305, % 10K
R341, % 10K
R342, % 10K
R343, % 10K
R346, % 10K
R347, % 10K
R356, % 10K
R405; % 10K

CRE_A_01 = C11, % 10UF
C53; % 10UF

12CTQ45V = D26; % 12CTQ45V

CSM2012 = C9, % 12PF
C10; % 12PF

RSM2012 = R51, % 150K
R53, % 150K
R321, % 150K
R355, % 150K
R360; % 150K

CST6032 = C36, % 15UF
C90, % 15UF
C91, % 15UF
C92, % 15UF
C93, % 15UF
C94, % 15UF
C98, % 15UF
C166; % 15UF

PLCC-68S = U71, % 16C452
U72; % 16C452

RSM2012 = R58, % 16K
R62, % 16K
R303, % 16K
R282, % 180K
R338, % 180R
R349, % 180R
R2, % 1K
R3; % 1K

RADC3220 = R5; % 1K

RSM2012 = R6, % 1K
R73, % 1K
R85, % 1K
R90, % 1K
R99, % 1K
R121, % 1K
R126, % 1K
R127, % 1K
R128, % 1K
R129, % 1K
R134, % 1K
R135, % 1K
R138, % 1K
R173, % 1K
R178, % 1K
R211, % 1K
R213, % 1K
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R307, % 1K
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R326, % 1K
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R361, % 1K
R366, % 1K
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R369, % 1K
R382, % 1K
R389, % 1K
R402, % 1K
R413, % 1K
R428, % 1K
R432, % 1K
R434, % 1K
R450, % 1K
R452, % 1K
R453, % 1K
R454, % 1K
R455, % 1K
R464, % 1K
R465, % 1K
R84, % 1M
R123; % 1M

DP01P040 = D9, % 1N4001
D10; % 1N4001

CSM3216 = C12, % 1NF
C31, % 1NF
C32, % 1NF
C35; % 1NF

RSM3216 = R52; % 1R

CSM3216 = C71, % 2.2NF
C194; % 2.2NF

CST6032 = C104, % 2.2UF
C110, % 2.2UF
C111, % 2.2UF
C214; % 2.2UF

RSM2012 = R35, % 200R
R36, % 200R
R37, % 200R
R4, % 20K
R7, % 20K
R95, % 20K
R96, % 20K
R161, % 20K
R162, % 20K
R165, % 20K
R166; % 20K

CSM3216 = C72; % 220PF

CSM2012 = C65; % 22NF

RADCHALF = R59; % 22R

YHC18V = X2; % 25MHZ

RSM2012 = R71, % 270R
R332, % 270R
R168, % 2K2
R169, % 2K2
R170, % 2K2
R334, % 2K2
R335, % 2K2
R336, % 2K2
R337, % 2K2
R350, % 2K2
R352, % 2K2
R394, % 2K2
R430, % 2K2
R471; % 2K2

SOT23A = Q3, % 2N2907A
Q22, % 2N2907A
Q23, % 2N2907A
Q24, % 2N2907A

Q26; % 2N2907A
ISS003 = L1; % 2U2H
RSM2012 = R29, % 300R
R30, % 300R
R31; % 300R
CRHTUB01 = X1; % 32768HZ
RSM2012 = R56, % 33R
R57, % 33R
R60, % 33R
R61, % 33R
R100, % 33R
R101, % 33R
R102, % 33R
R103, % 33R
R104, % 33R
R105, % 33R
R106, % 33R
R107, % 33R
R108, % 33R
R109, % 33R
R110, % 33R
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R114, % 33R
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R315, % 33R
R322, % 33R
R323, % 33R
R325, % 33R
R374, % 33R
R375, % 33R
R376, % 33R
R377, % 33R
R378, % 33R
R379, % 33R
R380, % 33R
R381, % 33R
R390, % 33R
R391; % 33R
ISS003 = L2, % 33UH
L3; % 33UH
CSM2012 = C70; % 390PF
KEVF_96A = P1; % 41612A
CNEM96RH = P20, % 41612A
P21, % 41612A
P22; % 41612A
RSM2012 = R32, % 43R
R33, % 43R
R34, % 43R
R233, % 470R
R234, % 470R
R247, % 470R
R260, % 470R
R269, % 470R
R274, % 470R
R297, % 470R
R298, % 470R
R299, % 470R
R300, % 470R
R308, % 470R
R344, % 470R
R345; % 470R
CRE_A_04 = C95; % 470UF
CRE_A_05 = C165; % 470UF
RSM2012 = R42, % 47K
R43, % 47K
R44, % 47K
R49, % 47K
R55, % 47K
R94, % 47K
R164; % 47K
CRE_A_01 = C102, % 47UF
C105, % 47UF
C106; % 47UF
CRE_A_02 = C167; % 47UF
RSM3216 = R50; % 4K7
RSM2012 = R294, % 4K7
R296, % 4K7
R309, % 4K7
R340, % 4K7
R431, % 4K7
R46, % 62K
R26, % 68R
R27, % 68R
R38, % 68R
R39, % 68R
R40, % 68R
R120, % 68R
R125, % 68R
R130, % 68R
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R393, % 68R
R401, % 68R
R414, % 68R
R416, % 68R
R418, % 68R
R424, % 68R
R437, % 68R
R438, % 68R
R439, % 68R
R440, % 68R
R441, % 68R
R442, % 68R
R443, % 68R
R444, % 68R
R457, % 68R
R459, % 68R
R460, % 68R
R461, % 68R
R462; % 68R
DIL_3_08 = U74, % 6N136
U75; % 6N136
7400S = U15, % 74HC00S
U16, % 74HC00S
U17; % 74HC00S
74138S = U66, % 74HC138
U67, % 74HC138
U68; % 74HC138
7414S = U39; % 74HC14
74245S = U55; % 74HC245
74273S = U4, % 74HC273
U6, % 74HC273
U30, % 74HC273
U31, % 74HC273
U32, % 74HC273
U34, % 74HC273
U35; % 74HC273
4020S = U60; % 74HC4020
4066S = U51; % 74HC4066
RSM2012 = R47; % 75K

78L12 = U80; % 78L12
79L12 = U81; % 79L12
RSM2012 = R45; % 820K
CSM2012 = C44, % 82PF
C46, % 82PF
C47, % 82PF
C51; % 82PF
SO8N = U25; % 90CS46
DIL_3_08 = U27; % 90CS46
DIL_6_40 = U7, % AM27C4096
U8, % AM27C4096
U9, % AM27C4096
U10, % AM27C4096
U11, % AM27C4096
U12, % AM27C4096
U13, % AM27C4096
U14; % AM27C4096
QUAD160S = U85; % ARM250
SOT23NEW = D11, % BAS16
D12, % BAS16
D13, % BAS16
D14, % BAS16
D15, % BAS16
D23, % BAS16
D59; % BAS16
MLL34 = D2; % BAS81
SOT23NEW = D39; % BAT54
BATTERY = B1; % BATT
BAV99 = D5, % BAV99
D6, % BAV99
D7; % BAV99
SOT23ITA = Q16, % BC847
Q17; % BC847
SMDBEAD = L4, % BEAD
L5, % BEAD
L6, % BEAD
L15; % BEAD
PLCC-20S = U24; % BTEST
SOT23NEW = D62; % BZX84
KPVNC040 = P7, % CON40A
P15, % CON40A
P18, % CON40A
P36; % CON40A
PLCC-28S = U36; % DEMUL
DRAM40_S = U48, % DRAM40
U49; % DRAM40
DRAM42_S = U149, % DRAM42
U152; % DRAM42
SO16W = U40; % DS1202S
SOP08 = U50; % DS1620
PLCC-28S = U65; % GLUE2
74244S = U21, % HC244S
U46, % HC244S
U53, % HC244S
U56; % HC244S
PIN2 = H1, % HOLE
H2, % HOLE
H3, % HOLE
H5; % HOLE
HOLE001 = H6, % HOLE
H7, % HOLE
H9, % HOLE
H21, % HOLE
H22, % HOLE
H23, % HOLE
H24, % HOLE
H25, % HOLE
H26, % HOLE
H34, % HOLE
H35, % HOLE
H36, % HOLE
H37, % HOLE
H42, % HOLE
H43, % HOLE
H44; % HOLE
KV015V = U45; % L4975A
OLSM3216 = D42, % LED
D43, % LED
D44, % LED
D45; % LED
SO14 = U29; % LM324
SO16W = U47; % MAX202
SO8N = U41; % MAX705
SOT23ITA = Q6, % MMBT3906
Q7, % MMBT3906
Q8, % MMBT3906
Q9; % MMBT3906
DO41P102 = D4, % MUR110
D8; % MUR110
OSC_04 = U73; % OSC
KHPVNA02 = P35; % PIN2
KHPVNA03 = P2; % PIN3
CONN4-1 = P39; % PIN4M
DIL_3_04 = U28, % PS2501
U131, % PS2501
U132, % PS2501
U133, % PS2501
U134, % PS2501
U135, % PS2501
U136, % PS2501
U137, % PS2501
U138, % PS2501
U139, % PS2501
U140, % PS2501
U142, % PS2501
U143, % PS2501
U144, % PS2501
U145, % PS2501
U146, % PS2501
U147; % PS2501
PLCC-28S = U22; % ROMDEC
SKSMA072 = P23; % SIMM72
MF28-32 = U1, % SRAM
U2, % SRAM
U3; % SRAM
STAPLE01 = Y1, % STAPLE
Y2, % STAPLE
Y3, % STAPLE
Y4, % STAPLE
Y5; % STAPLE
TDA2006 = U82; % TDA2006
TF8PIN = T1; % TRANS. POWER
DIL_3_16 = U52; % UDN2543

NETS

N00001 = P22/B14 P22/C15 L6/1 P22/A15
P22/B16 P22/C17 P22/A17 ;
N00002 = C63/1 U45/6 ;
N00003 = C63/2 U45/7 D26/CATHODE C71/1
T1/5 ;
N00004 = T1/7 C72/1 D4/ANODE ;
N00005 = D4/CATHODE R4/2 R7/2 C100/POS
C73/1 U80/IN ;
N00006 = C72/2 R5/2 ;
N00007 = U45/15 C104/POS ;
N00008 = U45/14 C110/POS ;
N00009 = C71/2 R59/2 ;
N00010 = U45/12 C111/POS ;
N00011 = R5/1 T1/9 D8/CATHODE ;
N00012 = R4/1 D8/ANODE R7/1 C109/NEG
C64/2 U81/IN1 U81/IN ;
N00013 = U45/10 C70/1 C65/1 ;
N00014 = U45/1 R58/2 ;
N00015 = U45/2 C194/1 ;
N00016 = C65/2 R62/2 ;
N00017 = Q26/2 R85/2 ;
N00018 = R85/1 Q17/COLLECTOR ;
N00019 = R220/1 R90/2 ;
N00020 = R94/2 Q17/BASE ;
N00021 = B1/1POS B1/2POS B1/3POS R90/1
B1/4POS B1/5POS B1/6POS B1/7POS ;
N00022 = U24/19 U41/1 ;
N00023 = U24/18 R360/2 R230/1 ;
N00024 = R229/1 U24/15 R84/2 ;
N00025 = U24/3 U41/5 ;
N00026 = R432/2 C208/1 U24/8 ;
N00027 = U24/9 U39/4 ;
NWDOGOUT = U24/11 U41/8 ;
N00029 = R84/1 Q16/BASE ;
N00030 = U39/3 C96/1 R360/1 C34/1 ;
N00031 = Q16/EMITTER R96/2 ;
N00032 = U39/8 U39/11 ;
N00033 = R96/1 U41/4 R95/2 ;
N00034 = U15/4 U15/5 R413/2 ;
N00035 = U16/4 U16/5 U16/9 U16/10 U16/12 U16/13 R2/2 ;
N00036 = U17/4 U17/5 U17/9 U17/10 U17/12 U17/13 R3/2 ;
N00037 = R311/2 U39/5 ;
N00038 = R99/1 U66/6 ;
NIOCS0 = U68/15 U66/5 ;
N00040 = R296/1 U72/26 ;
N00041 = R296/2 Q23/2 ;
N00042 = Q23/3 R332/1 ;
N00043 = R332/2 U75/2 ;
N00044 = R356/1 U74/6 U72/41 ;
N00045 = U74/7 R355/2 ;
N00046 = R340/1 U136/4 U72/28 ;
N00047 = U72/24 R334/1 ;
N00048 = R341/1 U137/4 U72/31 ;
N00049 = U72/25 R335/1 ;
N00050 = U72/29 U72/30 U72/8 U72/6 U72/63 U72/65 U72/67 U72/66 U72/68 U72/1 R333/2 ;
N00051 = R342/1 U138/4 U72/13 ;
N00052 = U72/12 R336/1 ;
N00053 = R343/1 U140/4 U72/5 ;
N00054 = U72/11 R337/1 ;
N00055 = U72/10 R309/1 ;
N00056 = U131/2 R334/2 ;
N00057 = R344/1 U139/4 U72/62 ;
N00058 = U132/2 R335/2 ;
N00059 = U133/2 R336/2 ;

N00060 = R213/2 U72/38 ;
N00061 = U134/2 R337/2 ;
N00062 = R309/2 Q24/2 ;
N00063 = Q24/3 R338/1 ;
N00064 = R338/2 U135/1 ;
N00065 = C174/1 U47/1 ;
N00066 = C213/1 U47/4 ;
N00067 = C174/2 U47/3 ;
N00068 = U47/2 C121/1 ;
SOUT0 = R150/1 U71/26 C190/2 U47/11 ;
N00070 = C213/2 U47/5 ;
N00071 = U47/6 C145/2 ;
N00072 = R262/1 U71/1 ;
NRTS0 = U71/24 U47/10 ;
SIN0 = U47/12 U71/41 ;
NCTS0 = U71/28 U47/9 ;
N00076 = U71/31 U71/29 U71/30 U71/8 U71/6 R354/2 ;
N00077 = U71/25 R394/1 ;
N00078 = R347/1 U142/4 U71/13 ;
N00079 = U71/12 R350/1 ;
N00080 = R346/1 U144/4 U71/5 ;
N00081 = U71/11 R352/1 ;
N00082 = U71/10 R294/1 ;
N00083 = R345/1 U143/4 U71/62 ;
N00084 = R211/2 C215/1 U71/53 ;
N00085 = U28/2 R394/2 ;
N00086 = U147/2 R350/2 ;
N00087 = U145/2 R352/2 ;
N00088 = R294/2 Q22/2 ;
N00089 = Q22/3 R349/1 ;
N00090 = R349/2 U146/1 ;
N00091 = R269/2 U39/13 ;
N00092 = U15/8 U15/13 ;
N00093 = R73/2 Q3/2 ;
N00094 = Q3/3 D23/ANODE ;
N00095 = D23/CATHODE C80/1 R71/1 ;
N00096 = U1/22 U15/3 ;
N00097 = U2/22 U16/3 ;
N00098 = U3/22 U17/3 ;
N00099 = U40/3 X1/2 ;
N00100 = X1/1 U40/5 ;
N00101 = R428/2 U56/11 ;
PSU2OVR = R431/1 U56/17 ;
N00103 = U27/7 U25/7 R304/2 ;
N00104 = U25/6 R305/2 P35/1 ;
N00105 = U35/2 C193/1 R236/1 ;
N00106 = U35/5 C198/1 R276/1 ;
N00107 = U35/6 C195/1 R283/1 ;
N00108 = U35/9 C200/1 R240/1 ;
N00109 = U35/12 C196/1 R289/1 ;
N00110 = U35/15 C201/1 R290/1 ;
N00111 = U35/16 C197/1 R291/1 ;
N00112 = U35/19 C199/1 R295/1 ;
BANK0 = U65/16 U31/16 ;
BANK1 = U65/17 U31/19 ;
RTC_DATA = U30/9 U65/2 ;
N00116 = U30/16 U65/3 ;
N00117 = U65/26 R461/1 ;
N00118 = U65/25 R462/1 ;
N00119 = U65/20 R457/1 ;
N00120 = U65/19 R459/1 ;
N00121 = U65/18 R460/1 ;
N00122 = R157/1 C501/1 U149/20 ;
N00123 = U149/23 C501/2 R156/2 ;
NWE0 = U149/13 U152/13 R146/1 ;
NWE1 = U48/13 U49/13 R143/1 ;
NOE0 = U149/29 U152/29 R145/1 ;
NOE1 = U48/27 U49/27 R144/1 ;
N00128 = R151/1 C502/1 U152/20 ;
N00129 = U152/23 C502/2 R153/2 ;
N00130 = U36/26 R322/2 ;
N00131 = U36/25 R323/2 ;
N00132 = U36/24 R144/2 ;
N00133 = U36/20 R143/2 ;
N00134 = U36/19 R145/2 ;
N00135 = U36/18 R146/2 ;
N00136 = R312/1 U36/17 ;
N00137 = U36/16 R329/2 ;
N00138 = U53/19 U53/1 U56/1 R389/2 ;
N00139 = U46/18 R246/1 ;
N00140 = U46/16 R148/1 ;
N00141 = U46/14 R268/1 ;
N00142 = U46/12 R288/1 ;
N00143 = U46/19 U46/1 U21/1 U21/19 R267/2 ;
N00144 = U46/9 R371/1 ;
N00145 = U46/7 R365/1 ;
N00146 = U46/5 R370/1 ;
N00147 = U46/3 R364/1 ;
N00148 = U55/2 R440/1 ;
N00149 = U55/3 R438/1 ;
N00150 = U21/18 R372/1 ;
N00151 = U55/4 R439/1 ;
N00152 = U55/5 R437/1 ;
N00153 = U21/16 R384/1 ;
N00154 = U55/6 R444/1 ;
N00155 = U55/7 R442/1 ;
N00156 = U21/14 R383/1 ;
N00157 = U55/8 R443/1 ;
N00158 = U55/9 R441/1 ;
N00159 = U21/12 R385/1 ;
N00160 = U21/9 R401/1 ;
N00161 = U21/7 R387/1 ;
N00162 = U21/5 R393/1 ;
N00163 = U21/3 R386/1 ;
PGM0 = U7/39 U11/39 R231/2 ;
PGM1 = U8/39 U12/39 R232/2 ;
PGM2 = U9/39 U13/39 R373/2 ;
PGM3 = U10/39 U14/39 R388/2 ;
N00168 = U12/2 U8/2 U11/2 U7/2 R212/2 U13/2 U9/2 U14/2 U10/2 ;
NROMCS0 = U11/20 U7/20 R424/2 ;
NROMCS1 = U8/20 U12/20 R418/2 ;
NROMCS2 = U9/20 U13/20 R416/2 ;
NROMCS3 = U10/20 U14/20 R414/2 ;
N00173 = U11/1 U7/1 R466/1 ;
N00174 = U12/1 U8/1 R469/1 ;
N00175 = U22/26 R424/1 ;
N00176 = U22/25 R418/1 ;
N00177 = U22/24 R416/1 ;
N00178 = U22/23 R414/1 ;
N00179 = U22/21 R388/1 ;
N00180 = U22/20 R373/1 ;
N00181 = U22/19 R232/1 ;
N00182 = U22/18 R231/1 ;
N00183 = U22/16 R452/2 ;
N00184 = P2/2 U22/13 ;
N00185 = L1/2 D11/CATHODE R41/2 C167/POS C45/1 R28/2 Q6/EMITTER R32/2 C44/1 R33/2 C46/1 R34/2 C47/1 C178/1 ;
N00186 = C44/2 R32/1 Q7/EMITTER ;
N00187 = C46/2 R33/1 Q8/EMITTER ;
N00188 = C47/2 R34/1 Q9/EMITTER ;
N00189 = R28/1 Q6/BASE R30/2 R29/2 Q6/COLLECTOR R31/2 ;
N00190 = Q7/COLLECTOR D12/ANODE ;
N00191 = Q8/COLLECTOR D13/ANODE ;
N00192 = Q9/COLLECTOR D14/ANODE ;
N00193 = D12/CATHODE R35/2 R38/1 D6/COM ;
N00194 = D13/CATHODE R36/2 R39/1 D7/COM ;
N00195 = D14/CATHODE R37/2 R40/1 D5/COM ;
N00196 = U60/11 R238/2 ;
N00197 = R302/1 C163/1 R301/2 U29/12 ;
N00198 = U51/10 R164/2 C51/2 U29/14 C205/1 ;
N00199 = U51/11 U51/9 R161/1 R166/2 ;
N00200 = R161/2 R162/1 ;
N00201 = R162/2 R163/1 ;
N00202 = R163/2 R164/1 ;
N00203 = U51/8 U51/3 R165/1 R167/2 ;
N00204 = R165/2 R166/1 ;
N00205 = U51/4 U51/2 R167/1 R168/2 ;
N00206 = U51/1 R282/2 R168/1 C51/1 U29/13 ;
N00207 = C31/1 R43/2 R10/1 U29/2 ;
N00208 = C31/2 R10/2 U29/1 R47/1 ;
N00209 = L4/1 C210/1 L2/2 C214/POS C59/1 C97/POS D10/CATHODE U82/5 ;
N00210 = C35/1 R47/2 R53/1 ;
N00211 = C35/2 U29/8 R46/1 R54/2 ;
N00212 = C32/1 R46/2 R45/1 ;
N00213 = C32/2 U29/7 C204/1 R159/2 ;
SNDF24V = U29/4 L2/1 R169/2 C211/1 C11/POS ;
N00215 = C54/2 R51/2 D10/ANODE U82/4 D9/CATHODE C165/POS R52/2 ;
N00216 = R53/2 C49/1 U29/10 ;
N00217 = R42/2 C12/1 U29/3 R1/2 ;
N00218 = R45/2 C50/1 U29/5 ;
N00219 = U29/9 R54/1 R55/2 ;
N00220 = C204/2 R282/1 ;
N00221 = U29/6 R159/1 R44/2 ;
N00222 = C205/2 R321/2 U82/1 ;
N00223 = C165/NEG R48/2 C177/1 L5/2 ;
N00224 = R169/1 C61/1 R170/2 R1/1 C12/2 C49/2 R55/1 C50/2 R44/1 R321/1 C53/POS ;
N00225 = U82/2 R51/1 R50/2 R303/1 ;
N00226 = R303/2 C54/1 ;
N00227 = R50/1 C102/POS ;
N00228 = R52/1 C57/1 ;
PN1 = U85/1 R391/1 P7/1 ;
PN2 = R471/2 R137/1 U85/2 P7/2 ;
PN3 = R149/1 U85/3 P7/3 ;

PN4 = R315/2 U85/4 P7/4 ;
PN159 = P36/39 R178/1 R379/1 U85/159 ;
PN141 = P36/21 R382/1 R381/1 U85/141 ;
PN8 = U85/8 P7/8 ;
PN156 = P36/36 R375/1 U85/156 ;
C3 = P36/19 U85/139 R129/1 D45/ANODE ;
C2 = P36/18 U85/138 R126/1 D44/ANODE ;
C1 = P36/17 U85/137 R127/1 D43/ANODE ;
C0 = P36/16 U85/136 R128/1 D42/ANODE ;
PN11 = X2/1 R123/2 U85/11 C9/1 P7/11 ;
PN12 = R123/1 X2/2 U85/12 C10/1 P7/12 ;
PN144 = P36/24 R376/1 U85/144 ;
PN13 = R134/2 U85/13 P7/13 ;
PN14 = R324/2 U85/14 P7/14 ;
PN145 = P36/25 R248/1 U85/145 ;
PN15 = R339/2 U85/15 P7/15 ;
PN16 = R135/2 U85/16 P7/16 ;
PN17 = U85/17 P7/17 ;
PN77 = P15/37 R374/1 U85/77 ;
PN81 = U85/81 R102/1 P18/1 ;
PN82 = U85/82 R103/1 P18/2 ;
PN157 = P36/37 U85/157 R377/1 ;
PN83 = U85/83 R104/1 P18/3 ;
PN84 = U85/84 R105/1 P18/4 ;
PN21 = U85/21 P7/21 ;
PN22 = U85/22 P7/22 ;
PN158 = P36/38 U85/158 R378/1 ;
PN85 = U85/85 R106/1 P18/5 ;
PN86 = U85/86 R107/1 P18/6 ;
PN23 = R120/2 U85/23 P7/23 ;
PN24 = R209/2 U85/24 P7/24 ;
PN87 = U85/87 R108/1 P18/7 ;
PN88 = U85/88 R109/1 P18/8 ;
PN25 = R208/2 U85/25 P7/25 ;
PN26 = R207/2 U85/26 P7/26 ;
PN140 = P36/20 U85/140 R380/1 ;
PN27 = R210/2 U85/27 P7/27 ;
PN91 = U85/91 R110/1 P18/11 ;
PN92 = U85/92 R111/1 P18/12 ;
PN30 = R206/2 U85/30 P7/30 ;
PN93 = U85/93 R112/1 P18/13 ;
PN94 = U85/94 R113/1 P18/14 ;
PN31 = R205/2 U85/31 P7/31 ;
PN32 = R204/2 U85/32 P7/32 ;
PN95 = U85/95 R114/1 P18/15 ;
PN96 = U85/96 R115/1 P18/16 ;
PN33 = R203/2 U85/33 P7/33 ;
PN34 = R202/2 U85/34 P7/34 ;
PN97 = U85/97 R116/1 P18/17 ;
PN98 = U85/98 R117/1 P18/18 ;
PN35 = R201/2 U85/35 P7/35 ;
PN36 = R200/2 U85/36 P7/36 ;
PN99 = U85/99 R118/1 P18/19 ;
PN100 = U85/100 R119/1 P18/20 ;
PN37 = R199/2 U85/37 P7/37 ;
PN38 = R198/2 U85/38 P7/38 ;
PN102 = U85/102 R61/1 P18/22 ;
PN39 = R197/2 U85/39 P7/39 ;
PN103 = U85/103 R60/1 P18/23 ;
PN104 = U85/104 R57/1 P18/24 ;
PN105 = U85/105 R325/1 P18/25 ;
TC = U85/106 P18/26 ;
N00294 = U73/5 R315/1 ;
N00295 = R6/1 U73/1 ;
PN160 = P36/40 U85/160 R390/1 ;
PN123 = P36/4 P36/3 U85/124 U85/123 ;
PN78 = P15/38 U85/78 R56/1 ;
NPS1 = P36/22 U85/142 ;
PN135 = P36/15 U85/135 ;
NINTSPI = P36/23 U85/143 ;
PN121 = P36/1 R173/2 U85/121 ;
PN132 = P36/12 U85/132 D62/CATHODE C203/1 R405/1 ;
PN122 = P36/2 U85/122 ;
PN125 = P36/5 U85/125 ;
PN41 = U85/41 R196/2 P15/1 ;
PN42 = U85/42 R195/2 P15/2 ;
PN43 = U85/43 R194/2 P15/3 ;
PN44 = U85/44 R193/2 P15/4 ;
PN45 = U85/45 R192/2 P15/5 ;
PN46 = U85/46 R191/2 P15/6 ;
PN47 = U85/47 R190/2 P15/7 ;
PN48 = U85/48 R189/2 P15/8 ;
PN80 = P15/40 U85/80 R101/1 ;
PN79 = P15/39 U85/79 R100/1 ;
PN51 = U85/51 R188/2 P15/11 ;
PN52 = U85/52 R187/2 P15/12 ;
PN53 = U85/53 R186/2 P15/13 ;
PN54 = U85/54 R185/2 P15/14 ;
PN55 = U85/55 R184/2 P15/15 ;
PN56 = U85/56 R183/2 P15/16 ;
PN57 = U85/57 R182/2 P15/17 ;
PN58 = U85/58 R181/2 P15/18 ;
PN59 = R180/2 U85/59 P15/19 ;
PN60 = R179/2 U85/60 P15/20 ;
PN61 = R177/2 U85/61 P15/21 ;
PN62 = R176/2 U85/62 P15/22 ;
PN63 = R174/2 U85/63 P15/23 ;
PN64 = R172/2 U85/64 P15/24 ;
PN76 = R125/2 U85/76 P15/36 ;
PN75 = R130/2 U85/75 P15/35 ;
PN74 = R131/2 U85/74 P15/34 ;
PN73 = R132/2 U85/73 P15/33 ;
PN72 = R133/2 U85/72 P15/32 ;
PN71 = R136/2 U85/71 P15/31 ;
PN70 = R139/2 U85/70 P15/30 ;
PN69 = R140/2 U85/69 P15/29 ;
PN66 = R141/2 U85/66 P15/26 ;
PN65 = R171/2 U85/65 P15/25 ;
LEFT = R320/1 R42/1 U85/112 P18/32 ;
NLEFT = R319/1 R43/1 U85/113 P18/33 ;
SNDVDD = L3/2 R320/2 C36/POS C60/1 D15/CATHODE R49/2 R302/2 U51/14 R319/2 U85/114 U85/115 U85/111 P18/35 P18/34 P18/31 ;
SNDREF = R49/1 D15/ANODE C98/POS C55/1 U85/109 P18/29 ;
R = R29/1 Q7/BASE U85/118 P18/38 ;
G = R30/1 Q8/BASE U85/119 P18/39 ;
B = R31/1 Q9/BASE U85/120 P18/40 ;
HS = R26/1 U85/19 P7/19 ;
VS = R27/1 U85/20 P7/20 ;
VIDREF = D11/ANODE C166/POS R41/1 C48/1 U85/116 P18/36 ;
NFL = R327/2 C39/1 P36/14 U85/134 ;
NRAS = U48/14 U49/14 U149/14 U152/14 U36/2 R120/1 ;
NIF = R316/2 C22/1 P36/8 U85/128 ;
FH0 = R359/2 C56/1 P36/9 U85/129 ;
NIL0 = R307/2 C14/1 P36/11 U85/131 ;
DBE = U36/13 U85/40 P7/40 ;
IL6 = U60/1 U85/101 P18/21 ;
NCAS0 = U36/12 U49/29 U152/31 R209/1 ;
NCAS1 = U49/28 U152/30 R208/1 ;
NCAS2 = U48/29 U149/31 R207/1 ;
NCAS3 = U48/28 U149/30 R210/1 ;
RA0 = U152/16 U49/16 U149/16 U48/16 R206/1 ;
RA1 = U152/17 U49/17 U149/17 U48/17 R205/1 ;
RA2 = U36/3 U152/18 U49/18 U149/18 U48/18 R204/1 ;
RA3 = U36/4 U152/19 U49/19 U149/19 U48/19 R203/1 ;
RA4 = U36/5 U49/22 U152/24 U48/22 U149/24 R202/1 ;
RA5 = U36/6 U49/23 U152/25 U48/23 U149/25 R201/1 ;
RA6 = U36/7 U49/24 U152/26 U48/24 U149/26 R200/1 ;
RA7 = U36/9 U49/25 U152/27 U48/25 U149/27 R199/1 ;
RA8 = U36/10 U49/26 U152/28 U48/26 U149/28 R198/1 ;
RA9 = U36/11 R197/1 ;
RTC_O = U50/1 U40/12 U56/13 R462/2 ;
RTC_CLK = U50/2 U40/14 U30/12 ;
NRTC_RST = U40/9 U30/15 ;
NTHM_RST = U50/3 U30/19 ;
DI = U25/3 U27/3 U32/9 ;
SK = U25/2 U27/2 U32/12 ;
MCS1 = U27/1 U32/15 ;
EEPROM = U56/15 U27/4 U25/4 R217/1 ;
MCS2 = U25/1 U32/16 ;
PAGE0 = U3/3 U2/3 U1/3 U31/2 ;
PAGE1 = U3/31 U2/31 U1/31 U31/5 ;
PAGE2 = U3/2 U2/2 U1/2 U31/6 ;
SRAM1 = U15/1 R460/2 ;
SRAM2 = U16/1 R459/2 ;
SRAM3 = U17/1 R457/2 ;
N00386 = R216/1 U15/9 U15/10 ;
N00387 = U39/7 U39/1 ;
CFG2 = P23/1 U28/3 ;

CFG1 = P23/4 U28/4 ;
CFG4 = P23/3 U147/3 ;
CFG3 = P23/6 U147/4 ;
CFG6 = P23/8 U145/3 ;
CFG5 = P23/10 U145/4 ;
CFG8 = P23/12 U146/3 ;
CFG10 = P23/14 U142/2 ;
CFG7 = P23/13 U146/4 ;
CFG11 = P23/16 U144/1 ;
CFG12 = P23/18 U144/2 ;
CFG9 = P23/17 U142/1 ;
CFG13 = P23/20 U143/1 ;
CFG14 = P23/22 U143/2 ;
CFG20 = P23/25 U131/3 ;
CFG19 = P23/27 U131/4 ;
CFG17 = P23/30 U75/6 ;
CFG18 = P23/29 U75/5 ;
CFG15 = P23/32 U75/8 ;
CFG16 = P23/31 U75/7 ;
CFG22 = P23/34 U132/3 ;
CFG29 = P23/36 U74/2 ;
CFG30 = P23/38 U74/3 ;
CFG21 = P23/40 U132/4 ;
CFG31 = P23/42 U136/1 ;
CFG32 = P23/44 U136/2 ;
CFG33 = P23/46 U137/1 ;
CFG34 = P23/49 U137/2 ;
CFG24 = P23/51 U133/3 ;
CFG23 = P23/54 U133/4 ;
CFG26 = P23/56 U134/3 ;
CFG28 = P23/58 U135/3 ;
CFG25 = P23/57 U134/4 ;
CFG27 = P23/60 U135/4 ;
CFG36 = P23/62 U138/2 ;
CFG35 = P23/61 U138/1 ;
CFG37 = P23/64 U140/1 ;
CFG38 = P23/66 U140/2 ;
CFG39 = P23/68 U139/1 ;
CFG40 = P23/70 U139/2 ;
NOSECON = R73/1 U6/19 ;
COINDIV = U52/9 U32/2 ;
COINBLK = U52/10 U32/5 ;
ODLEDON = U52/16 U32/6 ;
S2OVERDE = U52/15 U30/6 ;
UARTINT0 = U71/45 R450/2 U65/5 ;
UARTINT1 = U71/60 R453/2 U65/6 ;
UARTINT2 = U72/45 R455/2 U65/7 ;
UARTINT3 = U72/60 R454/2 U65/9 ;
PRINT3 = R308/2 C62/1 U71/50 ;
PRINT4 = R297/2 C43/1 U71/49 ;
PRINT5 = R298/2 C40/1 U71/48 ;
PRINT6 = R299/2 C41/1 U71/47 ;
PRINT7 = R300/2 C42/1 U71/46 ;
PRINT8 = R274/2 C20/1 U71/63 ;
PRINT9 = R260/2 C19/1 U71/65 ;
PRINT10 = R247/2 C18/1 U71/67 ;
PRINT11 = R234/2 C17/1 U71/68 ;
PRINT12 = R233/2 C16/1 U71/66 ;
BATOUT1 = D39/ANODE R220/2 Q16/COLLECTOR ;
NRDCS0 = U67/15 U56/19 ;
NWRCS7 = U66/7 R269/1 ;
NWRCS8 = U67/9 U4/11 ;
NRDCS1 = U41/6 U67/14 ;
NIOCS6 = U24/1 U68/9 ;
NUARTINT = R461/2 P36/10 U85/130 ;
NRESET = U39/10 U24/4 U52/14 U72/39 U71/39 U27/6 R305/1 U6/1 U35/1 U31/1 U34/1 U65/27 U30/1 U32/1 U4/1 U46/6 U85/7 P7/7 ;
NS2 = U65/13 R376/2 ;
BA2 = U24/7 U72/35 U71/35 U53/18 ;
NRESETL = R94/1 U39/9 U41/7 R93/2 U15/12 U15/2 U16/2 U17/2 ;
NWRCS0 = U66/15 U6/11 ;
NWRCS1 = U66/14 U35/11 ;
NWRCS2 = U66/13 U31/11 ;
NWRCS3 = U66/12 U34/11 ;
NWRCS4 = U66/11 U30/11 ;
NWRCS5 = U66/10 U32/11 ;
NWRCS6 = U66/9 U65/4 ;
BA4 = U67/1 U66/1 U72/33 U71/33 U53/14 ;
BA5 = U67/2 U66/2 U53/12 ;
BA6 = U67/3 U66/3 U53/9 ;
BA7 = U68/1 U53/7 ;
BA8 = U68/2 U53/5 ;
BA9 = U68/3 U53/3 ;
BA10 = U68/6 U67/5 U56/18 ;
BA11 = U68/5 U67/6 U56/16 ;
NIOCS1 = U68/14 U71/32 ;
NIOCS2 = U68/13 U71/3 ;
NIOCS3 = U68/12 U71/38 ;
NIOCS4 = U68/11 U72/32 ;
NIOCS5 = U68/10 U72/3 ;
BA3 = U72/34 U71/34 U53/16 ;
BD0 = U24/5 U24/12 U72/14 U71/14 U3/13 U2/13 U1/13 U56/9 U4/3 U65/10 U32/3 U30/3 U34/3 U31/3 U35/3 U6/3 U55/18 P36/28 U85/148 ;
BD1 = U24/14 U72/15 U71/15 U3/14 U2/14 U1/14 U56/7 U4/4 U65/11 U32/4 U30/4 U34/4 U31/4 U35/4 U6/4 U55/17 P36/29 U85/149 ;
BD2 = U72/16 U71/16 U3/15 U2/15 U1/15 U56/5 U4/7 U65/12 U32/7 U30/7 U34/7 U31/7 U35/7 U6/7 U55/16 P36/30 U85/150 ;
BD3 = U72/17 U71/17 U3/17 U2/17 U1/17 U56/3 U4/8 U32/8 U30/8 U34/8 U31/8 U35/8 U6/8 U55/15 P36/31 U85/151 ;
BD4 = U72/18 U71/18 U3/18 U2/18 U1/18 U4/13 U32/13 U30/13 U34/13 U31/13 U35/13 U6/13 U55/14 P36/32 U85/152 ;
BD5 = U72/19 U71/19 U3/19 U2/19 U1/19 U4/14 U32/14 U30/14 U34/14 U31/14 U35/14 U6/14 U55/13 P36/33 U85/153 ;
BD6 = U72/20 U71/20 U3/20 U2/20 U1/20 U4/17 U32/17 U30/17 U34/17 U31/17 U35/17 U6/17 U55/12 P36/34 U85/154 ;
BD7 = U72/21 U71/21 U3/21 U2/21 U1/21 U4/18 U32/18 U30/18 U34/18 U31/18 U35/18 U6/18 U55/11 P36/35 U85/155 ;
VOLUME0 = U6/2 U51/13 ;
VOLUME1 = U6/5 U51/5 ;
VOLUME2 = U6/6 U51/6 ;
VOLUME3 = U6/9 U51/12 ;
MEMCFG0 = U4/2 U22/12 ;
MEMCFG1 = U4/5 U22/11 ;
MEMCFG2 = U4/6 U22/10 ;
MEMCFG3 = U4/9 U22/9 ;
MEMCFG4 = U4/12 U22/7 ;
VBAT1 = R363/1 CD06/1 CD37/1 U16/14 U2/30 U2/32 C2/1 ;
VBAT2 = R362/1 CD28/1 CD38/1 U17/14 U3/30 U3/32 C3/1 ;
STEPSEN = P22/B28 R430/2 R428/1 ;
VBATE = P22/A26 D59/ANODE P39/1 ;
N00500 = P1/C14 P22/B26 R434/1 R432/1 ;
O3 = P20/A12 P23/71 ;
NPFAIL = P22/C26 R405/2 ;
DTR3 = P20/B12 P23/69 ;
KIN = P1/A14 P22/C18 R137/2 ;
RTS3 = P20/C12 P23/67 ;
P24VSND = P22/C13 L4/2 ;
SOUT3 = P20/C10 P23/55 ;
RS232RX = P22/A8 U47/13 ;
O2 = P20/A8 P23/47 ;
RS232CTS = P22/C8 U47/8 ;
DTR2 = P20/B8 P23/45 ;
RTS2 = P20/C8 P23/43 ;
SOUT2 = P20/C6 P23/35 ;
O1 = P20/A4 P23/23 ;
NOD2B = P22/B4 R366/1 R297/1 ;
DTR1 = P20/B4 P23/21 ;
NOD2A = P22/C4 R367/1 R298/1 ;
RTS1 = P20/C4 P23/19 ;
NOD1B = P22/A3 R368/1 R299/1 ;
SOUT1 = P20/C2 P23/7 ;
NOD1A = P22/C3 R369/1 R300/1 ;
S7ALARM = P22/A2 R317/1 R308/1 ;
N12VI = P20/B1 P20/B5 P20/B9 C67/2 U81/OUT C106/NEG P23/52 P23/26 ;
P12VI = P20/B3 P20/B7 P20/B11 U80/OUT C68/1 C105/POS P23/48 P23/24 ;
N00525 = P22/C1 U52/1 C21/1 ;
SIN1 = P20/A1 P23/5 ;
N00527 = P22/A1 U52/3 C202/1 ;
CTS1 = P20/A2 P23/9 ;
N00529 = P22/C2 U52/6 C15/1 ;
DSR1 = P20/C3 P23/11 ;
N00531 = P22/B2 U52/8 C164/1 ;
I1 = P20/A3 P23/15 ;
SIN2 = P20/A5 P23/33 ;
FIPOUT = P22/C7 R150/2 ;
CTS2 = P20/A6 P23/37 ;
RS232TX = P22/A7 U47/14 ;
DSR2 = P20/C7 P23/39 ;
RS232RTS = P22/B8 U47/7 ;
I2 = P20/A7 P23/41 ;
RED = P22/B9 R38/2 ;
SIN3 = P20/A9 P23/53 ;
GREEN = P22/C10 R39/2 ;
CTS3 = P20/A10 P23/59 ;

BLUE = P22/A10 R40/2 ;
DSR3 = P20/C11 P23/63 ;
VSYNC = P22/B11 R27/2 C179/1 ;
I3 = P20/A11 P23/65 ;
HSYNC = P22/C12 R26/2 C180/1 ;
SPEAKER = P22/A12 L5/1 ;
KOUT = P1/C15 P22/B18 R149/2 ;
NPROMOE2 = P1/C25 R322/1 ;
NXENABLE = P1/A16 R402/1 U36/27 ;
NTEST = P1/B14 R121/1 U85/5 P7/5 ;
NREPLACE = P1/B13 U22/17 R465/1 ;
NIL2 = P1/A11 P36/13 U85/133 R464/1 C212/1 ;
NRBE = P1/C2 R377/2 ;
NRBL = P1/B2 R379/2 ;
NIORQ = P1/C3 R380/2 ;
NIOGT = P1/B3 R381/2 ;
RNW = P1/C4 P21/A17 U55/1 R56/2 ;
CLK8M = P1/B4 U72/4 U71/4 U46/8 U60/10 R248/2 ;
NWBE = P1/A4 R375/2 ;
NWBL = P1/C9 R378/2 ;
NROMCS = P1/C12 R212/1 U22/2 R374/2 ;
NWE = P1/B12 U1/29 U2/29 U3/29 R390/2 ;
NRE = P1/A12 U1/24 U2/24 U3/24 R391/2 ;
NRST = P1/C13 R138/1 U85/6 P7/6 ;
ECLK8M = P21/C21 R288/2 ;
NERESET = P21/A20 R268/2 ;
NAEN = P1/B15 U67/4 U68/4 R61/2 ;
NEIOW = P21/B20 R148/2 ;
NIOR = P1/C16 U24/2 U72/37 U71/37 U46/2 R60/2 ;
NEIOR = P21/C20 R246/2 ;
NIOW = P1/B16 U24/6 U66/4 U72/36 U71/36 U46/4 R57/2 ;
NDACK = P21/C18 U55/19 R325/2 ;
EMCS0 = P21/C4 R71/2 ;
P24V = P1/A25 L15/2 C66/1 C95/POS C157/1 U45/9 C188/1 U52/7 U52/2 ;
VBAT0 = P21/A16 D2/CATHODE D59/CATHODE R363/2 R362/2 Q26/3 D39/CATHODE C99/1 C101/1 C172/1 C173/1 CD29/1 CD36/1 U15/14 U1/30 U1/32 C1/1 U40/16 ;
SPAREI0 = P21/C16 R215/1 R211/1 ;
EFH0 = P21/B18 R361/2 R359/1 ;
NEIF = P21/A18 R326/1 R316/1 ;
NEIL0 = P21/C19 R306/1 R307/1 ;
NEFL = P21/A19 R328/1 R327/1 ;
P24VI = P21/C32 P21/B31 P21/A32 L15/1 ;
CVP0 = P22/A4 R228/1 R274/1 ;
CVP1 = P22/C5 R227/1 R260/1 ;
CVP2 = P22/A5 R226/1 R247/1 ;
CVP3 = P22/C6 R225/1 R234/1 ;
CVP4 = P22/B6 R224/1 R233/1 ;
STMD0 = P22/A28 R236/2 ;
STMD1 = P22/C29 R276/2 ;
STMD2 = P22/A29 R283/2 ;
STMD3 = P22/C30 R240/2 ;
STMD4 = P22/B30 R289/2 ;
STMD5 = P22/A30 R290/2 ;
STMST0 = P22/A32 R291/2 ;
STMST1 = P22/C32 R295/2 ;
D0 = P1/B32 U49/10 U152/10 U10/19 U9/19 U8/19 U7/19 R196/1 ;
D1 = P1/C32 U49/9 U152/9 U10/18 U9/18 U8/18 U7/18 R195/1 ;
D2 = P1/B31 U49/8 U152/8 U10/17 U9/17 U8/17 U7/17 R194/1 ;
D3 = P1/C31 U49/7 U152/7 U10/16 U9/16 U8/16 U7/16 R193/1 ;
D4 = P1/A30 U49/5 U152/5 U10/15 U9/15 U8/15 U7/15 R192/1 ;
D5 = P1/B30 U49/4 U152/4 U10/14 U9/14 U8/14 U7/14 R191/1 ;
D6 = P1/C30 U49/3 U152/3 U10/13 U9/13 U8/13 U7/13 R190/1 ;
D7 = P1/B29 U49/2 U152/2 U10/12 U9/12 U8/12 U7/12 R189/1 ;
D8 = P1/C29 U49/31 U152/33 U10/10 U9/10 U8/10 U7/10 R188/1 ;
D9 = P1/A28 U49/32 U152/34 U10/9 U9/9 U8/9 U7/9 R187/1 ;
D10 = P1/B28 U49/33 U152/35 U10/8 U9/8 U8/8 U7/8 R186/1 ;
D11 = P1/C28 U49/34 U152/36 U10/7 U9/7 U8/7 U7/7 R185/1 ;
D12 = P1/B27 U49/36 U152/38 U10/6 U9/6 U8/6 U7/6 R184/1 ;
D13 = P1/C27 U49/37 U152/39 U10/5 U9/5 U8/5 U7/5 R183/1 ;
D14 = P1/A26 U49/38 U152/40 U10/4 U9/4 U8/4 U7/4 R182/1 ;
D15 = P1/B26 U49/39 U152/41 U10/3 U9/3 U8/3 U7/3 R181/1 ;
D16 = P1/B11 U48/10 U149/10 U14/19 U13/19 U12/19 U11/19 R180/1 ;
D17 = P1/C11 U48/9 U149/9 U14/18 U13/18 U12/18 U11/18 R179/1 ;
D18 = P1/B10 U48/8 U149/8 U14/17 U13/17 U12/17 U11/17 R177/1 ;
D19 = P1/C10 U48/7 U149/7 U14/16 U13/16 U12/16 U11/16 R176/1 ;
D20 = P1/A9 U48/5 U149/5 U14/15 U13/15 U12/15 U11/15 R174/1 ;
D21 = P1/B9 U48/4 U149/4 U14/14 U13/14 U12/14 U11/14 R172/1 ;
D22 = P1/A8 U48/3 U149/3 U14/13 U13/13 U12/13 U11/13 R171/1 ;
D23 = P1/C8 U48/2 U149/2 U14/12 U13/12 U12/12 U11/12 R141/1 ;
D24 = P1/A7 U48/31 U149/33 U14/10 U13/10 U12/10 U11/10 R140/1 ;
D25 = P1/B7 U48/32 U149/34 U14/9 U13/9 U12/9 U11/9 R139/1 ;
D26 = P1/C7 U48/33 U149/35 U14/8 U13/8 U12/8 U11/8 R136/1 ;
D27 = P1/A6 U48/34 U149/36 U14/7 U13/7 U12/7 U11/7 R133/1 ;
D28 = P1/B6 U48/36 U149/38 U14/6 U13/6 U12/6 U11/6 R132/1 ;
D29 = P1/A5 U48/37 U149/39 U14/5 U13/5 U12/5 U11/5 R131/1 ;
D30 = P1/B5 U48/38 U149/40 U14/4 U13/4 U12/4 U11/4 R130/1 ;
D31 = P1/C5 U48/39 U149/41 U14/3 U13/3 U12/3 U11/3 R125/1 ;
EA2 = P21/C26 R386/2 ;
EA3 = P21/A25 R393/2 ;
EA4 = P21/C25 R387/2 ;
EA5 = P21/A24 R401/2 ;
EA6 = P21/B24 R385/2 ;
EA7 = P21/C24 R383/2 ;
EA8 = P21/A23 R384/2 ;
EA9 = P21/C23 R372/2 ;
EA10 = P21/A22 R364/2 ;
EA11 = P21/B22 R370/2 ;
EA12 = P21/C22 R365/2 ;
EA13 = P21/A21 R371/2 ;
LA2 = P1/B24 U3/12 U2/12 U1/12 U53/2 U21/17 U10/21 U9/21 U8/21 U7/21 U14/21 U13/21 U12/21 U11/21 R100/2 ;
LA3 = P1/C24 U3/11 U2/11 U1/11 U53/4 U21/15 U10/22 U9/22 U8/22 U7/22 U14/22 U13/22 U12/22 U11/22 R101/2 ;
LA4 = P1/A23 U3/10 U2/10 U1/10 U53/6 U21/13 U10/23 U9/23 U8/23 U7/23 U14/23 U13/23 U12/23 U11/23 R102/2 ;
LA5 = P1/B23 U3/9 U2/9 U1/9 U53/8 U21/11 U10/24 U9/24 U8/24 U7/24 U14/24 U13/24 U12/24 U11/24 R103/2 ;
LA6 = P1/C23 U3/8 U2/8 U1/8 U53/11 U21/8 U10/25 U9/25 U8/25 U7/25 U14/25 U13/25 U12/25 U11/25 R104/2 ;
LA7 = P1/A22 U3/7 U2/7 U1/7 U53/13 U21/6 U10/26 U9/26 U8/26 U7/26 U14/26 U13/26 U12/26 U11/26 R105/2 ;
LA8 = P1/B22 U3/6 U2/6 U1/6 U53/15 U21/4 U10/27 U9/27 U8/27 U7/27 U14/27 U13/27 U12/27 U11/27 R106/2 ;
LA9 = P1/C22 U3/5 U2/5 U1/5 U53/17 U21/2 U10/28 U9/28 U8/28 U7/28 U14/28 U13/28 U12/28 U11/28 R107/2 ;
LA10 = P1/C21 U3/27 U2/27 U1/27 U56/2 U46/17 U10/29 U9/29 U8/29 U7/29 U14/29 U13/29 U12/29 U11/29 R108/2 ;
LA11 = P1/A20 U3/26 U2/26 U1/26 U56/4 U46/15 U10/31 U9/31 U8/31 U7/31 U14/31 U13/31 U12/31 U11/31 R109/2 ;
LA12 = P1/B20 U3/23 U2/23 U1/23 U56/6 U46/13 U10/32 U9/32 U8/32 U7/32 U14/32 U13/32 U12/32 U11/32 R110/2 ;
LA13 = P1/C20 U3/25 U2/25 U1/25 U56/8 U46/11 U10/33 U9/33 U8/33 U7/33 U14/33 U13/33 U12/33 U11/33 R111/2 ;
LA14 = P1/A19 U3/4 U2/4 U1/4 U10/34 U9/34 U8/34 U7/34 U14/34 U13/34 U12/34 U11/34 R112/2 ;
LA15 = P1/B19 U3/28 U2/28 U1/28 U10/35 U9/35 U8/35 U7/35 U14/35 U13/35 U12/35 U11/35

R113/2 ;
LA16 = P1/C19 U10/36 U9/36 U8/36 U7/36 U14/36 U13/36 U12/36 U11/36 R114/2 ;
LA17 = P1/A18 U10/37 U9/37 U8/37 U7/37 U14/37 U13/37 U12/37 U11/37 R115/2 ;
LA18 = P1/B18 U22/6 U10/38 U9/38 U8/38 U7/38 U14/38 U13/38 U12/38 U11/38 R116/2 ;
LA19 = P1/C18 U22/5 R117/2 ;
LA20 = P1/B17 U22/4 R118/2 ;
LA21 = P1/C17 U22/3 R119/2 ;
ED0 = P21/A30 R440/2 ;
ED1 = P21/B30 R438/2 ;
ED2 = P21/C30 R439/2 ;
ED3 = P21/A29 R437/2 ;
ED4 = P21/C29 R444/2 ;
ED5 = P21/A28 R442/2 ;
ED6 = P21/B28 R443/2 ;
ED7 = P21/C28 R441/2 ;
GND22 = P20/B2 P20/B6 P20/B10 P20/B17
P20/B18 P20/B19 P20/B20 P20/B21
P20/B22 P20/B23 P20/B24 P20/B25
P20/B26 P20/B27 P20/B28 P20/B29
P20/B30 P20/B32 C100/NEG T1/8 C73/2 C109/POS C64/1 U80/COM U80/COM2 U81/COM C68/2 C67/1
C105/NEG C106/POS P23/2 P23/28
P23/50 P23/72 ;
P9V = P20/B31 P20/C31 ;
P22V = P20/A30 P20/C30 ;
VCC = P1/A1 P1/A21 P1/A29 P1/A32 L6/2 C191/1 T1/3 C108/POS C103/POS U45/11 D2/ANODE Q26/1
U41/2 U39/14 U24/20 R434/2 R229/2 R230/2 C218/1 C217/1 CD35/1 CD34/1 CD33/1 CD32/1 CD31/1 CD30/1 CD27/1 CD26/1 CD25/1 CD22/1 CD21/1 CD20/1 CD19/1 CD18/1 CD17/1 CD16/1 CD15/1 CD14/1 CD12/1 CD11/1 CD10/1 CD09/1 CD08/1 CD07/1 CD05/1 CD03/1 CD02/1 CD01/1 C161/1 C160/1 C159/1 C158/1 C90/POS C91/POS C92/POS C93/POS
C94/POS C156/1 C155/1 C154/1 C153/1 C152/1 Y4/1 Y5/1 Y4/2 Y5/2 C151/1 C150/1 C149/1 C148/1 C147/1 C146/1 C144/1 C143/1 C142/1 C141/1 C140/1 C139/1 C138/1 C137/1 C136/1 C135/1 C134/1 C132/1 C131/1 C130/1 C129/1 C128/1 C127/1 C126/1 C125/1 C124/1 C123/1 C122/1 C120/1 C119/1 C118/1 C117/1 C116/1 C115/1 C114/1 C162/1 C113/1 U68/16 U67/16 U66/16 R99/2 U52/11
R317/2 C189/1 R224/2 R225/2 R226/2 R227/2 R228/2 R366/2 R367/2 R368/2 R369/2 Q24/1 R213/1 U131/1 U132/1 U133/1 U134/1 U72/64 U72/40 U72/23 Q23/1 R356/2 U74/8 R340/2 R341/2 R342/2 R343/2 R344/2 R215/2 Q22/1 R347/2 R346/2 R345/2 U28/1 U147/1 U145/1 U71/64 U71/40 U71/23 R262/2 U47/16 C121/2 C133/1 R216/2 Q3/1 U50/8 R431/2 U56/20 R217/2 U25/8 U27/8 U4/20 U32/20 U65/28 U30/20 U34/20 U31/20 U35/20 U6/20 R312/2 U36/28 U49/20 U49/6 U49/1 U152/21 U152/6 U152/1 R402/2 R151/2 U48/20 U48/6 U48/1 U149/21 U149/6 U149/1 R157/2 U53/20 U21/20 U55/20 U46/20 P2/1 R465/2 U22/28 R469/2 R466/2 U10/40 U9/40 U8/40 U7/40 U13/1 U9/1 U14/1 U10/1 U14/40 U13/40 U12/40 U11/40 R328/2 R326/2 R306/2 D6/CATHODE D7/CATHODE D5/CATHODE L1/1
U60/16 L3/1 P36/7 P36/27 P15/10 P15/28 R134/1 R324/1 R471/1 R464/2 U73/8 R6/2 U85/147 U85/127 U85/108 U85/90 U85/68 U85/50 U85/29 U85/10 P18/10 P18/28 R129/2 R126/2 R127/2 R128/2 P7/10 P7/29 R382/2 R178/2 R121/2 R138/2 ;
GND = P1/C1 P1/B1 P1/A2 P1/A3 P1/C6 P1/B8 P1/A10 P1/A13 P1/A15 P1/A17 P1/B21 P1/A24 P1/A27 P1/A31 P22/B1 P22/B3 P22/B5 P22/B7 P22/C9 P22/A9 P22/B10 P22/C11 P22/A11 P22/B12
P22/B13 P22/C14 P22/A14 P22/B15
P22/C16 P22/A16 P22/B17 P22/B19
P22/B21 P22/B23 P22/B25 P22/B27
P22/B29 P22/B31 C191/2 P21/B1 P21/B3 P21/B5 P21/B7 P21/B9 P21/B11 P21/B13 P21/B15 P21/B17
P21/B19 P21/B21 P21/B23 P21/B25
P21/B27 P21/B29 P21/C31 P21/A31
P21/B32 R59/1 D26/1ANODE D26/2ANODE
C95/NEG C103/NEG C108/NEG U45/3
C104/NEG C110/NEG C111/NEG U45/8
R62/1 C70/2 R58/1 C194/2 C157/2 C66/2 P39/4 B1/1NEG Q17/EMITTER B1/2NEG B1/3NEG B1/4NEG
R95/1 R93/1 U41/3 C34/2
C96/2 C208/2 U39/7 U24/10 C218/2 C217/2 CD35/2 CD34/2 CD33/2 CD32/2 CD31/2 CD30/2 CD27/2 CD26/2 CD25/2 CD22/2 CD21/2 CD20/2 CD19/2 CD18/2 CD17/2 CD16/2 CD15/2 CD14/2 CD12/2 CD11/2 CD10/2 CD09/2 CD08/2 CD07/2 CD05/2 CD03/2 CD02/2 CD01/2 Y2/1 Y1/1 Y1/2 Y3/1 Y2/2 Y3/2 C161/2 C160/2 C159/2 C158/2 CD38/2 CD28/2 C90/NEG C91/NEG
C92/NEG C93/NEG C94/NEG C156/2
C155/2 C154/2 C153/2 C152/2 CD37/2 CD06/2 CD36/2 CD29/2 C173/2 C172/2 C101/2 C99/2 C151/2 C150/2 C149/2 C148/2 C147/2 H6/1 H7/1 C146/2 C144/2 C143/2 C142/2 R3/1 R2/1 H44/1 H43/1 H42/1 H3/1 H1/1 H2/1 H5/1 C141/2 C140/2 C139/2 C138/2 C137/2 H37/1 H36/1 C136/2 C135/2 C134/2 C132/2 H35/1 H34/1 C131/2 C130/2 C129/2 C128/2 C127/2 H26/1 R413/1 C126/2 C125/2 C124/2 C123/2 C122/2 U17/7 U16/7 U15/7 R311/1 H25/1 H24/1 H23/1 H22/1 H21/1 C120/2 C119/2 C118/2 C117/2 H9/1 C116/2 C115/2 C114/2 C162/2 C113/2 U68/8 U67/8 U66/8 C15/2 C164/2 C202/2 C21/2 U52/13 U52/12 U52/4 U52/5 C188/2 C41/2 C42/2 C40/2 C43/2 C62/2 C17/2 C16/2 C18/2 C19/2 C20/2 C189/2 U135/2 U74/5 U136/3 U137/3 U138/3 U140/3 U139/3 R333/1 U72/61 U72/54 U72/43 U72/42 U72/27 U72/22 U72/9 U72/7 U72/2 R454/1 R455/1 R355/1 U75/3 C215/2 U146/2 U142/3 U144/3 U143/3 R354/1 U71/61 U71/54 U71/43 U71/42 U71/27 U71/22 U71/9 U71/7 U71/2 R453/1 R450/1 C190/1 U47/15 C133/2 C145/1 C80/2 C3/2 C2/2 C1/2 U3/16 U2/16 U1/16 U40/8 U50/4 R430/1 U56/10 R304/1 P35/2 U25/5 U27/5 U4/10 U65/14 U32/10 U30/10 U34/10 U31/10 C197/2 C199/2 C201/2 C196/2 C200/2 C195/2 C198/2 C193/2 U35/10 U6/10 R329/1 U36/14 R153/1 U49/21 U49/35 U49/40 U152/42 U152/37 U152/22 R156/1 U48/21 U48/35 U48/40 U149/42 U149/37 U149/22 R389/1 U53/10 R267/1 U55/10 U21/10 U46/10 P2/3 U22/14 R452/1 U10/30 U10/11 U9/30 U9/11 U8/30 U8/11 U7/30 U7/11 U14/30 U14/11 U13/30

U13/11 U12/30 U12/11 U11/30
U11/11 C56/2 R361/1 C39/2
C22/2 C14/2 D7/ANODE
D6/ANODE
D5/ANODE R35/1 R36/1 R37/1
C48/2 C166/NEG C167/NEG
C45/2
C178/2 C180/2 C179/2 U60/8
R238/1 C61/2 R170/1 C53/NEG
C11/NEG C211/2 C57/2
C102/NEG
R48/1 C177/2 C210/2 U82/3
D9/ANODE U29/11 C97/NEG
C59/2
C214/NEG U51/7 C60/2 C36/NEG
C98/NEG C55/2 R301/1 C163/2
P15/9 P15/27 P36/6 P36/26
U85/126 U85/146 U85/107 U85/89
U85/67 U85/49 U85/28 U85/18
U85/9 R339/1 R135/1 U85/110
U85/117 C203/2 D62/ANODE
C212/2
R173/1 C9/2 C10/2 P18/30
P18/9 P18/27 P18/37 U73/4
P7/18 P7/28 P7/9 D42/CATHODE
D43/CATHODE D44/CATHODE
D45/CATHODE ;

Reference Listings

I/O to Components and I/Cs List

% MKV SERIES 2 USA BACKPLANE - 410351

% Revised: October 17, 1996

% Revision:

% ARISTOCRAT LEISURE INDUSTRIES

BOARD = ORCAD.PCB;

PARTS

```
0.01UF      = C3,  % 0.01UF
            C5;  % 0.01UF
0.1UF       = C2,  % 0.1UF
            C6;  % 0.1UF
100PF       = C7,  % 100PF
            C8;  % 100PF
100UF       = C1;  % 100UF
41612A      = J3,  % 41612A
            JP20,  % 41612A
            JP21,  % 41612A
            JP22;  % 41612A
47UF        = C4;  % 47UF
CON12B      = P5,  % CON12B
            P6,  % CON12B
            P9,  % CON12B
            P15;  % CON12B
CON14B      = P4,  % CON14B
            P10,  % CON14B
            P17;  % CON14B
CON20B      = P7;  % CON20B
CON24B      = P2,  % CON24B
            P8,  % CON24B
            P11,  % CON24B
            P12,  % CON24B
            P13,  % CON24B
            P14,  % CON24B
            P23;  % CON24B
CON4        = P1,  % CON4
            P3,  % CON4
            P16;  % CON4
CON5        = P19;  % CON5
DIN64       = J1,  % DIN64
            J2;  % DIN64
FERRITE     = L1;  % FERRITE
MOLEX70543-4W  = P18;  %
MOLEX70543-4W
TP1         = CHASSIS_GND;  % TP1
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NETS

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ISOLPIN  = P17/1 C7/1 L1/3 ;
ISOLPGIN  = P17/8 C8/1 L1/1 ;
VBAT     = JP21/A16 J2/B4 ;
IRQDMON  = JP21/A15 J2/A6 ;
NDACK    = JP21/C18 J2/B5 ;
NEIL0    = JP21/C19 J2/A5 ;
NEIOR    = JP21/C20 J2/B6 ;
NEIOW    = JP21/B20 J2/A7 ;
NERESET  = JP21/A20 J2/B7 ;
IRQ12    = JP21/A18 J3/C23 ;
ECLK8M   = JP21/C21 J2/A8 ;
IRQ11    = JP21/B18 J3/C21 ;
IRQ5     = JP21/A19 J3/C22 ;
ISOLPWR  = L1/4 C4/1 C5/1 C6/1
           P15/7 J2/B29 ;
ISOLPGND  = P23/15 C4/2 L1/2 C5/2
           C6/2 P15/1 J2/A29 ;
LDOR_NC  = P3/2 J2/A3 ;
LDOR_NO  = P3/1 J2/A4 ;
LDOR_COM  = P3/3 J2/B3 ;
DOPTOUT  = JP21/C4 P14/5 ;
TXDA+    = P23/14 J2/A31 ;
TXDA-    = P23/3 J2/B31 ;
RXDA+    = P23/13 J2/A32 ;
RXDA-    = P23/1 J2/B32 ;
EMIKP2   = P23/19 J2/A26 ;
EMIKN2   = P23/7 J2/B26 ;
EMIKP1   = P23/17 J2/A30 ;
EMIKN1   = P23/5 J2/B30 ;
P12VDC   = P14/8 J2/A1 ;
SIN1     = JP20/A1 P13/3 ;
CTS1     = JP20/A2 P13/15 ;
DSR1     = JP20/C3 P13/16 ;
I1       = JP20/A3 P13/17 ;
SOUT1    = JP20/C2 P13/1 ;
RTS1     = JP20/C4 P13/19 ;
DTR1     = JP20/B4 P13/20 ;
SIN2     = JP20/A5 P23/11 P18/3 P19/2 ;
CTS2     = JP20/A6 P23/22 ;
I2       = JP20/A7 P23/23 P18/4 ;
SOUT2    = JP20/C6 P23/10 P18/2 P19/3 ;
RTS2     = JP20/C8 P23/21 ;
O2       = JP20/A8 P23/9 P18/1 ;
SIN3     = JP20/A9 P7/18 ;
CTS3     = JP20/A10 P7/9 ;
SOUT3    = JP20/C10 P7/19 ;
RTS3     = JP20/C12 P7/8 ;
HOPCOIN  = J1/B30 P7/1 ;
DSR3     = JP20/C11 P7/15 ;
HOPHIGH  = J1/A31 P7/5 ;
DTR3     = JP20/B12 P7/16 ;
DOPTIN   = J1/B31 P13/9 ;
COMS_RST  = JP20/A13 J3/C13 ;
SPRTS    = J1/A21 P12/11 ;
SPCTS    = J1/B21 P12/23 ;
SPTXD    = J1/B22 P12/12 ;
SPRXD    = J1/A22 P12/24 ;
VCC      = JP22/C15 JP22/B16 JP22/C17
JP22/A17
           P19/5 P14/14 P7/6 P2/11
           P1/4 ;
AUSW     = JP22/A2 P13/5 ;
CBOXSW   = JP22/C3 P13/6 ;
MECHSW   = JP22/A3 P13/7 ;
BASW     = JP22/C4 P14/20 ;
JPSW     = JP22/B4 P13/8 ;
CCSEN    = JP22/A4 P14/10 ;
CC_CRED  = JP22/C5 P14/7 ;
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CCERROR = JP22/A5 P14/19 ;
SOLOPT = JP22/C6 P14/15 ;
232TXD6 = J3/B7 P8/12 ;
HOPON = JP22/C1 P7/4 ;
232DTR6 = J3/B4 P8/22 ;
HOPTEST = JP22/A1 P7/12 ;
232RTS6 = J3/B8 P8/10 ;
HOPDIR = JP22/A29 P7/13 ;
232RXD6 = J3/A8 P8/11 ;
SOLDIV = JP22/B2 P14/9 ;
232DSR6 = J3/A5 P8/23 ;
CCINH = JP22/A28 P14/6 ;
232CTS6 = J3/A9 P8/9 ;
JPBELL = JP22/C2 P13/4 ;
232DCD6 = J3/B9 P8/8 ;
SPEAKER = JP22/A12 P5/1 ;
232TXD7 = J3/B10 P8/6 ;
SPEAKER2 = JP22/A13 P5/3 ;
232DTR7 = J3/B1 P8/16 ;
SPKRGND = JP22/B13 P5/4 P5/2 ;
232RTS7 = J3/B11 P8/4 ;
232RXD7 = J3/A11 P8/5 ;
RS232TX = JP22/A7 P4/14 ;
232DSR7 = J3/A2 P8/17 ;
RS232RX = JP22/A8 P4/7 ;
232CTS7 = J3/A12 P8/3 ;
KOUT = JP22/B18 P1/2 ;
232DCD7 = J3/B12 P8/2 ;
KIN = JP22/C18 P1/1 ;
NPFAIL = JP22/C26 P17/14 ;
SEC_NC = J3/A28 P2/17 ;
SEC_NO = J3/B28 P2/18 ;
RED = JP22/B9 P4/4 ;
SEC_COM = J3/A29 P2/19 ;
GREEN = JP22/C10 P4/12 ;
BLUE = JP22/A10 P4/6 ;
VSYNC = JP22/B11 P4/9 ;
DDOR_NC = J3/A24 P9/12 ;
HSYNC = JP22/C12 P4/1 ;
DDOR_NO = J3/B24 P9/10 ;
DDOR_COM = J3/A25 P9/9 ;
GNDBLUE = JP22/A11 JP22/C9 JP22/C11 JP22/B10 P4/11 P4/8 P4/3 P4/5 ;
GDOR_NC = J3/A26 P9/8 ;
GDOR_NO = J3/B26 P9/7 ;
DIGRED = JP22/C19 P6/7 ;
GDOR_COM = J3/A27 P9/1 ;
DIGGREEN = JP22/A19 P6/1 ;
DIGBLUE = JP22/C20 P6/8 ;
DIGCSYNC = JP22/A18 P6/3 ;
EA2 = JP21/C26 J2/B15 ;
EA3 = JP21/A25 J2/A15 ;
EA4 = JP21/C25 J2/B14 ;
EA5 = JP21/A24 J2/A14 ;
EA6 = JP21/B24 J2/B13 ;
EA7 = JP21/C24 J2/A13 ;
EA8 = JP21/A23 J2/B12 ;
EA9 = JP21/C23 J2/A12 ;
EA10 = JP21/A22 J2/B11 ;
EA11 = JP21/B22 J2/A11 ;
EA12 = JP21/C22 J2/B10 ;
ED0 = JP21/A30 J2/B21 ;
ED1 = JP21/B30 J2/A21 ;
ED2 = JP21/C30 J2/B20 ;
ED3 = JP21/A29 J2/A20 ;
ED4 = JP21/C29 J2/B19 ;
ED5 = JP21/A28 J2/A19 ;
ED6 = JP21/B28 J2/B18 ;
ED7 = JP21/C28 J2/A18 ;
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PBS10 = J1/B6 P11/15 ;
PBS11 = J1/A7 P12/22 ;
PBS12 = J1/B7 P12/21 ;
PBS13 = J1/A8 P12/20 ;
PBS14 = J1/B8 P12/19 ;
SPARESW1 = J1/A9 P12/18 ;
SPARESW2 = J1/B9 P12/17 ;
PBL1 = J1/A10 P11/2 ;
PBL2 = J1/B10 P11/4 ;
PBL3 = J1/A11 P11/5 ;
PBL4 = J1/B11 P11/6 ;
PBL5 = J1/A12 P11/7 ;
PBL6 = J1/B12 P11/8 ;
PBL7 = J1/A13 P11/9 ;
PBL8 = J1/B13 P11/10 ;
PBL9 = J1/A14 P11/11 ;
PBL10 = J1/B14 P11/12 ;
PBL11 = J1/A15 P12/15 ;
PBL12 = J1/B15 P12/16 ;
PBL13 = J1/A16 P12/1 ;
PBL14 = J1/B16 P12/14 ;
DRVSP1 = J1/A17 P12/3 ;
DRVSP2 = J1/B17 P12/2 ;
HM1 = J1/A24 P2/5 ;
HM2 = J1/B24 P2/6 ;
HM3 = J1/A25 P2/7 ;
HM4 = J1/B25 P2/8 ;
HM5 = J1/A26 P2/9 ;
HM6 = J1/B26 P2/10 ;
SPAREIO0 = J1/A18 P12/5 ;
SPAREIO1 = J1/B18 P12/4 ;
SPAREIO2 = J1/A19 P12/7 ;
SPAREIO3 = J1/B19 P12/6 ;
SPAREIO4 = J1/A20 P12/9 ;
SPAREIO5 = J1/B20 P12/8 ;
LTL1 = J1/A27 P2/20 ;
LTL2 = J1/B27 P2/21 ;
LTL3 = J1/A28 P2/22 ;
LTL4 = J1/B28 P2/23 ;
AL1 = J1/A29 P14/18 ;
AL2 = J1/B29 P14/17 ;
AL3 = J1/A30 P14/16 ;
BACCLIT1 = J3/A17 P10/1 ;
BACCLIT2 = J3/B17 P10/2 ;
BACCLIT3 = J3/A18 P10/3 ;
BACCLIT4 = J3/B18 P10/4 ;
BACCLIT5 = J3/A19 P10/5 ;
BACCLIT6 = J3/B19 P10/6 ;
BACCLIT7 = J3/A20 P10/7 ;
BACCLIT8 = J3/B16 P10/8 ;
AL4 = J3/A21 P14/21 ;
AL5 = J3/A22 P14/22 ;
VCC = J3/C1 J3/C6 J3/C15 J2/A2 J2/B2 J2/A22 J2/B22 ;
24V = JP21/B31 JP21/C32 JP21/A32
J1/A32
J1/B32 JP22/C13 C3/1 C1/1 C2/1 P16/2 P17/11 P17/10 P17/12 P13/13 P15/5 P15/6 P15/11 P15/12 P14/1 P14/13 P14/3 P7/11 P7/17 P10/10 P12/13 P11/1 P11/13 P2/1 P2/13 P2/14 P2/2 P2/15 P2/3 P2/16 P2/4 J2/A9 J2/B9 J2/A16 J2/B16 ;
GND = JP22/B1 JP22/B3 JP22/B5 JP22/B7
JP22/A9 JP22/B12 JP22/B19 JP22/B21
JP22/B23 JP22/B25 JP22/B27 JP22/B29
JP22/B31 JP21/B1 JP21/B3 JP21/B5
JP21/B7 JP21/B9 JP21/B11 JP21/B13
JP21/B15 JP21/B17 JP21/B19 JP21/B21
JP21/B23 JP21/B25 JP21/B27 JP21/B29
JP21/C31 JP21/A31 JP21/B32
J1/A1
J1/B1 J1/A23 J1/B23 J3/C2 J3/C7 J3/C8 J3/C16 C1/2 CHASSIS_GND/1 C3/2 C2/2 P16/3 P17/3 P17/4 P17/5 P17/7 C8/2 C7/2 P19/1 P13/10 P13/11 P13/21 P13/22 P13/23 P14/11 P14/12 P14/23 P14/24 P15/3 P15/4 P15/9 P15/10 P7/14 P7/20 P7/7 P10/14 P12/10 P2/12 P2/24 P6/6 P4/13 P3/4 P1/3 P5/8 P5/9 P6/9 J2/B1 J2/B8 J2/A17 J2/B17 J2/A23 J2/B23 ;
N12VI = JP20/B1 JP20/B5 JP20/B9 J3/C18 ;
P12VI = JP20/B3 JP20/B7 JP20/B11 J3/B3
J3/B6 J3/C12 J3/C17 P23/12 P8/13 P8/19 ;
GNDISOL = JP20/B2 JP20/B6 JP20/B10 J3/A7
J3/A10 P23/24 P13/18 P7/10 P8/1 P8/7 ;
L12VDC = JP22/A24 J3/C26 ;
L5VDC = JP22/B14 JP22/A15 J3/C27 J3/C28 ;
LGND = JP22/C14 JP22/A14 JP22/B15 JP22/C16
JP22/A16 JP22/B17 J3/C29 J3/C30 J3/C31 J3/C32 ;

Reference Listings

I/O to Components and I/Cs List

% MKV Series 2 USA DRIVER BOARD - 410355

Revised: September 23, 1996

% Aristocrat Leisure Ind.

%

% 85-113 Dunning Ave. Rosebery, NSW

%

%

BOARD = ORCAD.PCB;

PARTS

0.01UF = C56; % 0.01UF
0.1UF = C1, % 0.1UF
C2, % 0.1UF
C3, % 0.1UF
C6, % 0.1UF
C7, % 0.1UF
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C138, % 0.1UF
C139, % 0.1UF
C140, % 0.1UF
C141; % 0.1UF
1000UF = C104; % 1000UF
100K = RN3, % 100K
RN4, % 100K
R100, % 100K
R101, % 100K
R131, % 100K
R132, % 100K
R175, % 100K
R176, % 100K
R177, % 100K
R178, % 100K
R179, % 100K
R181, % 100K
R182, % 100K
R183, % 100K
R191; % 100K
100PF = C4, % 100PF
C5, % 100PF
C8, % 100PF
C9, % 100PF
C10, % 100PF
C11, % 100PF
C12, % 100PF
C13, % 100PF
C14, % 100PF
C15, % 100PF
C16, % 100PF

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C18, % 100PF
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C23, % 100PF
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C41, % 100PF
C42, % 100PF
C43, % 100PF
C44, % 100PF
C45, % 100PF
C50, % 100PF
C51, % 100PF
C57, % 100PF
C58; % 100PF

100R = R19, % 100R
R24, % 100R
R25, % 100R
R29, % 100R
R31, % 100R
R32, % 100R
R76, % 100R
R77, % 100R
R85, % 100R
R117, % 100R
R180, % 100R
R184, % 100R
R190; % 100R

100UF = C46, % 100UF
C88, % 100UF
C135; % 100UF

10K = RN5, % 10K
R20, % 10K
R21, % 10K
R22, % 10K
R23, % 10K
R28, % 10K
R146, % 10K
R147; % 10K

10UF = C38, % 10UF
C54, % 10UF
C65; % 10UF

150R = R116; % 150R

16C452 = U5, % 16C452
U14; % 16C452

1K = R1, % 1K
R2, % 1K
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R7, % 1K
R8, % 1K
R9, % 1K
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R46, % 1K
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R158, % 1K
R159, % 1K
R160, % 1K
R163, % 1K
R164, % 1K
R169, % 1K
R170, % 1K
R185; % 1K

1K/ .5W = R33, % 1K/ .5W
R34, % 1K/ .5W
R35, % 1K/ .5W
R36, % 1K/ .5W
R37, % 1K/ .5W
R38, % 1K/ .5W
R39, % 1K/ .5W
R40, % 1K/ .5W
R56, % 1K/ .5W
R57, % 1K/ .5W
R58, % 1K/ .5W
R59, % 1K/ .5W
R60, % 1K/ .5W
R61, % 1K/ .5W
R62, % 1K/ .5W
R63; % 1K/ .5W

1N4004 = D1, % 1N4004
D2; % 1N4004

1N5819 = D3, % 1N5819
D4; % 1N5819

1R = R114, % 1R
R115; % 1R

20V8 = U31, % 20V8
U32; % 20V8

220K = R18, % 220K
R26, % 220K
R27, % 220K
R30; % 220K

220UF = C47, % 220UF
C136; % 220UF

220UH = L1; % 220UH

270R = RN1, % 270R
RN2; % 270R

2K4 = R15, % 2K4
R16, % 2K4
R17, % 2K4
R41, % 2K4
R42, % 2K4
R43, % 2K4
R49, % 2K4
R50, % 2K4
R51, % 2K4
R54, % 2K4
R55, % 2K4
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R65, % 2K4
R66, % 2K4
R72, % 2K4
R73, % 2K4
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R133, % 2K4
R134, % 2K4
R154, % 2K4
R155; % 2K4

39K = R150, % 39K
R151, % 39K
R152, % 39K
R153, % 39K
R161, % 39K
R162; % 39K

3K = R130; % 3K

41612A = J3; % 41612A

470R = R75, % 470R
R92, % 470R
R93, % 470R
R97, % 470R
R99, % 470R
R110, % 470R
R111, % 470R
R120, % 470R
R121, % 470R
R125, % 470R
R127, % 470R
R143, % 470R
R145, % 470R
R166, % 470R
R168, % 470R
R174, % 470R
R187, % 470R
R189; % 470R

47NF = C66, % 47NF
C67, % 47NF
C68, % 47NF
C69, % 47NF
C70, % 47NF
C71, % 47NF
C72, % 47NF

C73, % 47NF
C74, % 47NF
C75, % 47NF
C76, % 47NF
C77, % 47NF
C78, % 47NF
C79, % 47NF
C80, % 47NF
C81; % 47NF
47R = R52, % 47R
R53, % 47R
R79, % 47R
R80, % 47R
R113; % 47R
4K7 = RN6, % 4K7
RN7, % 4K7
R96, % 4K7
R98, % 4K7
R102, % 4K7
R103, % 4K7
R104, % 4K7
R105, % 4K7
R106, % 4K7
R107, % 4K7
R124, % 4K7
R126, % 4K7
R142, % 4K7
R144, % 4K7
R165, % 4K7
R167, % 4K7
R171, % 4K7
R172, % 4K7
R173, % 4K7
R186, % 4K7
R188; % 4K7
560PF = C94; % 560PF
74HC08 = U26; % 74HC08
74HC139 = U40; % 74HC139
74HC165-BAT = U9, % 74HC165-BAT
U10, % 74HC165-BAT
U18, % 74HC165-BAT
U19; % 74HC165-BAT
74HC244 = U16, % 74HC244
U17, % 74HC244
U24, % 74HC244
U25, % 74HC244
U36, % 74HC244
U37; % 74HC244
74HC273 = U7, % 74HC273
U22, % 74HC273
U38, % 74HC273
U39; % 74HC273
75LBC176 = U33, % 75LBC176
U34; % 75LBC176
7812CT = U42; % 7812CT
BATTERY = BT1; % BATTERY
BC559 = Q2, % BC559
Q3, % BC559
Q4, % BC559
Q5, % BC559
Q6, % BC559
Q7, % BC559
Q8, % BC559
Q9, % BC559
Q10, % BC559
Q11, % BC559
Q12, % BC559
Q13, % BC559
Q15, % BC559
Q16, % BC559
Q17, % BC559
Q18, % BC559
Q19; % BC559
BC639 = Q20; % BC639
BC640 = Q1; % BC640
DIN64 = J1, % DIN64
J2; % DIN64
FERRITE = F1; % FERRITE
LINK = LK1, % LINK
LK2, % LINK
LK3; % LINK
LM340T-5.0 = U2; % LM340T-5.0
LNKSOLD = SLK1; % LNKSOLD
MAX202 = U1, % MAX202
U8, % MAX202
U15, % MAX202
U23, % MAX202
U35; % MAX202
MAX690A = U41; % MAX690A
MC34063A = U13; % MC34063A
NMV0505SA = U6; % NMV0505SA
PS2501 = ISO1, % PS2501
ISO2, % PS2501
ISO3, % PS2501
ISO4, % PS2501
ISO5, % PS2501
ISO6, % PS2501
ISO7, % PS2501
ISO8, % PS2501
ISO9, % PS2501
ISO10, % PS2501
ISO11, % PS2501
ISO12, % PS2501
ISO13, % PS2501
ISO14, % PS2501
ISO15, % PS2501
ISO16, % PS2501
ISO17, % PS2501
ISO18, % PS2501
ISO19; % PS2501
SW DIP-8 = S1, % SW DIP-8
S2; % SW DIP-8
TPI42A = Q14; % TPI42A
UDN2543 = U3, % UDN2543
U4, % UDN2543
U11, % UDN2543
U12, % UDN2543
U20, % UDN2543
U21, % UDN2543
U27, % UDN2543
U28, % UDN2543
U29, % UDN2543
U30; % UDN2543

NETS

N00001 = R128/2 U11/14 U12/14 U20/14
U21/14 ;
N00002 = U11/16 U7/2 ;
N00003 = U11/15 U7/5 ;
N00004 = U7/6 U11/10 ;
N00005 = U7/9 U11/9 ;
N00006 = U7/12 U12/16 ;
N00007 = U7/15 U12/15 ;
N00008 = U7/16 U12/10 ;
N00009 = U7/19 U12/9 ;
N00010 = R40/2 RN4/1 RN2/2 ;
N00011 = R63/2 RN4/2 RN2/3 ;
N00012 = R39/2 RN4/3 RN2/4 ;
N00013 = R62/2 RN4/4 RN2/5 ;
N00014 = R56/2 RN3/16 RN1/2 ;
N00015 = R38/2 RN4/5 RN2/6 ;
N00016 = U22/2 U20/16 ;
N00017 = U22/5 U20/15 ;
N00018 = U22/6 U20/10 ;
N00019 = U22/9 U20/9 ;
N00020 = R33/2 RN3/15 RN1/3 ;
N00021 = U22/12 U21/16 ;
N00022 = R61/2 RN4/6 RN2/7 ;
N00023 = U22/15 U21/15 ;
N00024 = U22/16 U21/10 ;
N00025 = U22/19 U21/9 ;
N00026 = R57/2 RN3/14 RN1/4 ;
N00027 = R37/2 RN4/7 RN2/8 ;
N00028 = R34/2 RN3/13 RN1/5 ;
N00029 = R60/2 RN4/8 RN2/9 ;
N00030 = RN4/16 C81/1 U17/2 ;
N00031 = RN4/15 C80/1 U17/4 ;
N00032 = RN4/14 C79/1 U17/6 ;
N00033 = R58/2 RN3/12 RN1/6 ;
N00034 = RN4/13 C78/1 U17/8 ;
N00035 = RN4/12 C77/1 U17/11 ;
N00036 = RN4/11 C76/1 U17/13 ;
N00037 = RN4/10 C75/1 U17/15 ;
N00038 = RN4/9 C74/1 U17/17 ;
N00039 = R35/2 RN3/11 RN1/7 ;
N00040 = R59/2 RN3/10 RN1/8 ;
N00041 = R36/2 RN3/9 RN1/9 ;
N00042 = RN3/1 C66/1 U16/2 ;
N00043 = RN3/2 C67/1 U16/4 ;
N00044 = RN3/3 C68/1 U16/6 ;
N00045 = RN3/4 C69/1 U16/8 ;
N00046 = RN3/5 C70/1 U16/11 ;
N00047 = RN3/6 C71/1 U16/13 ;
N00048 = RN3/7 C72/1 U16/15 ;
N00049 = RN3/8 C73/1 U16/17 ;
N00050 = ISO1/CATHODE R77/1 ;
N00051 = Q1/EMITTER R76/2 R77/2 ;
N00052 = R75/1 Q1/BASE ;
N00053 = ISO2/CATHODE R76/1 ;
N00054 = R169/2 ISO17/COLLECTOR U33/3 ;
N00055 = U33/6 C50/1 R79/2 ;
N00056 = R171/1 U33/2 ;
N00057 = U33/7 C57/1 R52/2 ;
N00058 = R170/2 ISO18/COLLECTOR U33/4 ;
N00059 = Q17/BASE R173/1 ;
N00060 = U34/1 R173/2 ;
N00061 = R80/1 C51/1 R175/2 U34/6 ;
N00062 = Q17/COLLECTOR R174/2 ;
N00063 = U34/2 U34/3 U34/4 R172/2 ;
N00064 = R174/1 ISO19/ANODE ;
N00065 = R53/1 C58/1 R176/1 U34/7 ;
DIPSW1 = U36/1 U36/19 U32/18 ;

DIPSW2 = U37/1 U37/19 U32/19 ;
INT = U32/8 U31/19 ;
INT_CS = U24/19 U32/22 ;
N00070 = U32/13 R184/1 ;
N00071 = RN6/9 U36/11 S1/5 ;
N00072 = RN6/8 U36/13 S1/6 ;
N00073 = RN6/7 U36/8 S1/4 ;
N00074 = RN6/6 U36/15 S1/7 ;
N00075 = RN6/5 U36/6 S1/3 ;
N00076 = RN6/4 U36/17 S1/8 ;
N00077 = RN6/3 U36/4 S1/2 ;
N00078 = RN6/2 U36/2 S1/1 ;
RDP1_CS = U25/19 U25/1 U40/6 ;
RD_EN = U31/15 U40/1 ;
LDSEC_CS = U24/1 U40/7 ;
N00082 = RN7/9 U37/11 S2/5 ;
N00083 = RN7/8 U37/8 S2/4 ;
N00084 = RN7/7 U37/13 S2/6 ;
N00085 = RN7/6 U37/6 S2/3 ;
N00086 = RN7/5 U37/15 S2/7 ;
N00087 = RN7/4 U37/4 S2/2 ;
N00088 = RN7/3 U37/17 S2/8 ;
N00089 = RN7/2 U37/2 S2/1 ;
WR_EN = U31/22 U40/15 ;
N00091 = U31/13 R180/1 ;
N00092 = R146/2 R31/2 C33/1 U25/2 ;
N00093 = R147/2 R32/2 C34/1 U25/4 ;
N00094 = U38/2 U27/16 ;
N00095 = R153/2 RN5/2 U26/1 ;
N00096 = U38/5 U27/15 ;
N00097 = U26/3 U26/4 ;
N00098 = U38/6 U27/10 ;
N00099 = R152/2 RN5/3 U26/2 ;
N00100 = U38/9 U27/9 ;
N00101 = R161/2 RN5/6 U26/5 ;
N00102 = U38/12 U28/16 ;
N00103 = U38/15 U28/15 ;
N00104 = U38/16 U28/10 ;
N00105 = R162/2 LK1/2 RN5/7 U26/9 ;
N00106 = U38/19 U28/9 ;
N00107 = RN5/4 R151/2 LK3/2 U26/13 ;
N00108 = RN5/5 R150/2 LK2/2 U26/10 ;
N00109 = R158/1 LK1/1 ;
N00110 = U26/8 U26/12 ;
N00111 = R159/1 LK2/1 ;
N00112 = R160/1 LK3/1 ;
N00113 = U39/2 U29/16 ;
N00114 = U39/5 U29/15 ;
N00115 = U39/6 U29/10 ;
N00116 = U39/9 U29/9 ;
N00117 = U39/12 U30/16 ;
N00118 = U39/15 U30/15 ;
N00119 = U39/16 U30/10 ;
N00120 = U39/19 U30/9 ;
N00121 = R186/2 U5/25 ;
N00122 = R186/1 Q18/BASE ;
N00123 = C3/2 U1/2 ;
N00124 = Q18/COLLECTOR R187/2 ;
N00125 = C1/1 U1/1 ;
N00126 = C1/2 U1/3 ;
N00127 = U1/6 C7/1 ;
N00128 = C6/1 U1/4 ;
N00129 = U1/5 C6/2 ;
N00130 = U1/14 C44/1 R70/1 ;
N00131 = R78/2 U5/5 U5/8 U5/6 ;
N00132 = R83/2 U5/28 U5/31 U5/29 U5/30 U5/68 ;
N00133 = U1/11 U5/12 ;
N00134 = U1/7 C9/1 R48/1 ;
N00135 = U1/10 U5/10 ;
RXB = U5/62 U1/12 ;
CTSB = U5/13 U1/9 ;
N00138 = U1/13 C35/1 R71/1 ;
N00139 = U5/26 R188/2 ;
N00140 = R188/1 Q19/BASE ;
N00141 = U1/8 C45/1 R47/1 ;
N00142 = Q19/COLLECTOR R189/2 ;
RW_PP = U5/1 U5/11 ;
N00144 = U5/48 C43/1 R46/1 ;
N00145 = U5/49 C42/1 R69/1 ;
N00146 = U5/50 C41/1 R45/1 ;
N00147 = U5/51 R68/1 C40/1 ;
N00148 = U5/52 C8/1 R44/1 ;
N00149 = U5/53 C39/1 R67/1 ;
N00150 = U5/43 R88/1 ;
N00151 = U5/65 U5/67 U5/66 R85/1 ;
N00152 = R95/2 ISO3/COLLECTOR U8/11 ;
N00153 = C62/2 U8/2 ;
N00154 = R94/2 ISO4/COLLECTOR U8/10 ;
N00155 = C60/1 U8/1 ;
N00156 = C60/2 U8/3 ;
N00157 = U8/6 C85/1 ;
N00158 = C84/1 U8/4 ;
N00159 = R164/2 ISO5/COLLECTOR U35/11 ;
N00160 = U8/5 C84/2 ;
N00161 = U8/14 C17/1 R8/1 ;
N00162 = U8/7 C13/1 R4/1 ;
N00163 = Q2/BASE R96/1 ;
N00164 = R96/2 U8/12 ;
N00165 = U8/9 R98/2 ;
N00166 = U8/13 C18/1 R9/1 ;
N00167 = Q2/COLLECTOR R97/2 ;
N00168 = Q3/BASE R98/1 ;
N00169 = U8/8 C14/1 R5/1 ;
N00170 = Q3/COLLECTOR R99/2 ;
N00171 = R97/1 ISO10/ANODE ;
N00172 = C119/2 U35/2 ;
N00173 = C117/1 U35/1 ;
N00174 = R99/1 ISO9/ANODE ;
N00175 = C117/2 U35/3 ;
N00176 = U35/6 C127/1 ;
N00177 = C126/1 U35/4 ;
N00178 = U35/5 C126/2 ;
N00179 = U35/14 C16/1 R7/1 ;
N00180 = Q16/BASE R167/1 ;
N00181 = R167/2 U35/12 ;
N00182 = Q16/COLLECTOR R168/2 ;
N00183 = U35/10 R163/1 ;
N00184 = R168/1 ISO16/ANODE ;
N00185 = Q15/BASE R165/1 ;
N00186 = R165/2 U35/9 ;
N00187 = U35/13 C19/1 R10/1 ;
N00188 = Q15/COLLECTOR R166/2 ;
N00189 = U35/8 C15/1 R6/1 ;
N00190 = R166/1 ISO15/ANODE ;
N00191 = R123/2 ISO7/COLLECTOR U15/11 ;
N00192 = C93/2 U15/2 ;
N00193 = R122/2 ISO8/COLLECTOR U15/10 ;
N00194 = C91/1 U15/1 ;
N00195 = C91/2 U15/3 ;
N00196 = U15/6 C98/1 ;
N00197 = C97/1 U15/4 ;
N00198 = R141/2 ISO6/COLLECTOR U23/11 ;
N00199 = U15/5 C97/2 ;
N00200 = U15/14 C21/1 R12/1 ;
N00201 = U15/7 C11/1 R2/1 ;
N00202 = Q10/BASE R124/1 ;
N00203 = R124/2 U15/12 ;
N00204 = C109/2 U23/2 ;
N00205 = U15/9 R126/2 ;
N00206 = U15/13 C23/1 R14/1 ;
N00207 = Q10/COLLECTOR R125/2 ;
N00208 = C107/1 U23/1 ;
N00209 = U15/8 C12/1 R3/1 ;
N00210 = C107/2 U23/3 ;
N00211 = U23/6 C112/1 ;
N00212 = R125/1 ISO12/ANODE ;
N00213 = C111/1 U23/4 ;
N00214 = U23/5 C111/2 ;
N00215 = U23/14 C20/1 R11/1 ;
N00216 = Q11/BASE R126/1 ;
N00217 = Q11/COLLECTOR R127/2 ;
N00218 = U23/10 R140/1 ;
N00219 = Q12/BASE R142/1 ;
N00220 = R142/2 U23/12 ;
N00221 = R127/1 ISO11/ANODE ;
N00222 = U23/9 R144/2 ;
N00223 = U23/13 C22/1 R13/1 ;
N00224 = Q12/COLLECTOR R143/2 ;
N00225 = U23/8 C10/1 R1/1 ;
N00226 = Q13/BASE R144/1 ;
N00227 = R143/1 ISO14/ANODE ;
N00228 = Q13/COLLECTOR R145/2 ;
N00229 = R145/1 ISO13/ANODE ;
N00230 = R102/1 U14/24 ;
N00231 = R102/2 Q5/BASE ;
N00232 = Q5/COLLECTOR R93/1 ;
N00233 = R104/1 U14/25 ;
N00234 = R104/2 Q4/BASE ;
N00235 = Q4/COLLECTOR R92/1 ;
N00236 = R103/1 U14/26 ;
N00237 = R103/2 Q6/BASE ;
N00238 = Q6/COLLECTOR R111/1 ;
N00239 = R137/2 U14/30 U14/6 U14/63 U14/68 ;
N00240 = R105/1 U14/12 ;
N00241 = R105/2 Q9/BASE ;
N00242 = Q9/COLLECTOR R121/1 ;
N00243 = R84/2 U3/14 U4/14 ;
N00244 = R106/1 U14/11 ;
N00245 = R106/2 Q8/BASE ;
N00246 = Q8/COLLECTOR R120/1 ;
N00247 = R107/1 U14/10 ;
N00248 = R107/2 Q7/BASE ;
N00249 = Q7/COLLECTOR R110/1 ;
N00250 = U3/16 U14/46 ;
N00251 = U3/15 U14/47 ;
N00252 = U14/48 U3/10 ;
N00253 = U14/49 U3/9 ;
N00254 = U14/50 U4/16 ;
N00255 = U14/51 U4/15 ;
N00256 = U14/52 U4/10 ;
N00257 = U14/53 U4/9 ;
N00258 = U14/43 R129/1 ;
N00259 = U14/65 U14/67 U14/66 U14/1

R117/1 ;
N00260 = U19/9 R132/1 ;
N00261 = Q14/EMITTER R116/1 U13/7 R115/1
R114/1 ;
N00262 = Q14/COLLECTOR D4/CATHODE L1/1 ;
N00263 = L1/2 U13/1 D3/ANODE ;
N00264 = Q14/BASE R116/2 R113/1 ;
INH = U18/15 R191/2 Q20/COLLECTOR U10/15
U9/15 U19/15 ;
N00266 = R29/2 C32/1 R30/1 U19/1 ;
N00267 = R113/2 U13/8 ;
N00268 = F1/4 C56/1 C55/1 R115/2
R114/2 U13/6 C88/1 ;
N00269 = U13/3 C94/1 ;
N00270 = U13/5 R112/1 R130/1 ;
N00271 = U9/9 R100/1 ;
N00272 = R24/2 C29/1 R27/1 U9/1 ;
N00273 = U10/9 R101/1 ;
N00274 = R25/2 C30/1 R26/1 U10/1 ;
N00275 = U41/8 BT1/+ ;
N00276 = U41/7 Q20/BASE ;
N00277 = U41/4 R190/1 ;
N00278 = U18/9 R131/1 ;
N00279 = R19/2 C24/1 R18/1 U18/1 ;
INTP = U31/10 U5/59 R177/1 ;
INTB = U24/13 U31/9 SLK1/2 R179/1 ;
INTA = U24/11 U31/8 R178/1 U5/45 ;
INT2A = U24/15 U32/9 U14/45 R182/1 ;
INT2B = U24/17 U32/10 U14/60 R183/1 ;
INT2P = U32/11 U14/59 R181/1 ;
MSEC1 = U31/6 U26/6 ;
MSEC2 = U31/7 U26/11 ;
SIO2A_CS = U32/15 U14/32 ;
SIO2B_CS = U32/16 U14/3 ;
PARP_CS = U32/17 U14/38 ;
SECR0 = U25/8 R132/2 ;
SECR1 = U25/11 R100/2 ;
SECR2 = U25/13 R101/2 ;
SECR3 = U25/15 R131/2 ;
N00295 = U7/11 U40/12 ;
N00296 = U22/11 U40/11 ;
N00297 = U17/1 U17/19 U40/5 ;
N00298 = U16/1 U16/19 U40/4 ;
N00299 = R75/2 U5/24 ;
N00300 = ISO17/ANODE R187/1 ;
N00301 = ISO18/ANODE R189/1 ;
N00302 = R185/2 ISO19/COLLECTOR U5/41 ;
N00303 = U31/16 U5/32 ;
N00304 = U31/17 U5/3 ;
N00305 = U31/18 U5/38 ;
N00306 = U31/20 U18/2 U10/2 U9/2
U19/2 ;
N00307 = U31/21 U5/63 ;
N00308 = U40/10 U38/11 ;
N00309 = U40/9 U39/11 ;
N00310 = U24/18 U19/10 ;
N00311 = U24/16 U9/10 ;
N00312 = U24/14 U10/10 ;
N00313 = U24/12 U18/10 ;
N00314 = ISO3/ANODE R93/2 ;
N00315 = ISO4/ANODE R92/2 ;
N00316 = ISO5/ANODE R111/2 ;
N00317 = R135/2 ISO10/COLLECTOR U14/28 ;
N00318 = R136/2 ISO9/COLLECTOR U14/31 ;
N00319 = R157/2 ISO16/COLLECTOR U14/29 ;
N00320 = R156/2 ISO15/COLLECTOR U14/41 ;
N00321 = ISO7/ANODE R121/2 ;
N00322 = ISO8/ANODE R120/2 ;
N00323 = ISO6/ANODE R110/2 ;
N00324 = R138/2 ISO12/COLLECTOR U14/13 ;
N00325 = R139/2 ISO11/COLLECTOR U14/5 ;
N00326 = R148/2 ISO14/COLLECTOR U14/8 ;
N00327 = R149/2 ISO13/COLLECTOR U14/62 ;
SPRTS = J1/A21 R70/2 ;
SPCTS = J1/B21 R47/2 ;
SPRXD = J1/A22 R71/2 ;
SPTXD = J1/B22 R48/2 ;
HOPCOIN = J1/B30 R31/1 ;
HOPHIGH = J1/A31 R32/1 ;
DOPTIN = J1/B31 C31/1 R28/2 U25/6 ;
EMIKP2 = J2/A26 ISO1/COLLECTOR D1/CATHODE ;
EMIKN2 = J2/B26 ISO1/EMITTER D1/ANODE ;
TXDA+ = J2/A31 R79/1 ;
TXDA- = J2/B31 R52/1 ;
RXDA+ = J2/A32 R80/2 ;
RXDA- = J2/B32 R53/2 ;
EMIKP1 = J2/A30 ISO2/COLLECTOR D2/CATHODE ;
EMIKN1 = J2/B30 ISO2/EMITTER D2/ANODE ;
LDOR_COM = J2/B3 R29/1 ;
LDOR_NO = J2/A4 R23/1 ;
NEIL0 = J2/A5 U32/20 ;
NDACK = J2/B5 U32/14 U31/23 ;
IRQDMON = J2/A6 U5/60 SLK1/1 ;
NEIOR = J2/B6 U32/23 U31/11 U5/37
U14/37 ;
NEIOW = J2/A7 U31/14 U5/36 U14/36 ;
NERESET = J2/B7 U7/1 U22/1 U39/1
U38/1 U5/39 U14/39 ;
ECLK8M = J2/A8 U5/4 U14/4 ;
PBS1 = J1/A2 R56/1 ;
PBS2 = J1/B2 R33/1 ;
PBS3 = J1/A3 R57/1 ;
PBS4 = J1/B3 R34/1 ;
PBS5 = J1/A4 R58/1 ;
PBS6 = J1/B4 R35/1 ;
PBS7 = J1/A5 R59/1 ;
PBS8 = J1/B5 R36/1 ;
PBS9 = J1/A6 R60/1 ;
PBS10 = J1/B6 R37/1 ;
PBS11 = J1/A7 R61/1 ;
PBS12 = J1/B7 R38/1 ;
PBS13 = J1/A8 R62/1 ;
PBS14 = J1/B8 R39/1 ;
SPARESW1 = J1/A9 R63/1 ;
SPARESW2 = J1/B9 R40/1 ;
PBL1 = J1/A10 U11/1 R41/1 ;
PBL2 = J1/B10 U11/3 R89/1 ;
PBL3 = J1/A11 U11/6 R64/1 ;
PBL4 = J1/B11 U11/8 R108/1 ;
PBL5 = J1/A12 U12/1 R42/1 ;
PBL6 = J1/B12 U12/3 R90/1 ;
PBL7 = J1/A13 U12/6 R65/1 ;
PBL8 = J1/B13 U12/8 R109/1 ;
PBL9 = J1/A14 U20/1 R118/1 ;
PBL10 = J1/B14 U20/3 R43/1 ;
PBL11 = J1/A15 U20/6 R66/1 ;
PBL12 = J1/B15 U20/8 R133/1 ;
PBL13 = J1/A16 U21/1 R119/1 ;
PBL14 = J1/B16 U21/3 R134/1 ;
DRVSP1 = J1/A17 U21/6 ;
DRVSP2 = J1/B17 U21/8 ;
SPAREIO0 = J1/A18 R67/2 ;
SPAREIO1 = J1/B18 R44/2 ;
SPAREIO2 = J1/A19 R68/2 ;
SPAREIO3 = J1/B19 R45/2 ;
SPAREIO4 = J1/A20 R69/2 ;
SPAREIO5 = J1/B20 R46/2 ;
HM1 = J1/A24 U27/1 R153/1 ;
HM2 = J1/B24 U27/3 R152/1 ;
HM3 = J1/A25 U27/6 R161/1 ;
HM4 = J1/B25 U27/8 R162/1 ;
HM5 = J1/A26 U28/1 R150/1 ;
HM6 = J1/B26 U28/3 R151/1 ;
LTL1 = J1/A27 U29/1 R49/1 ;
LTL2 = J1/B27 U29/3 R72/1 ;
LTL3 = J1/A28 U29/6 R50/1 ;
LTL4 = J1/B28 U29/8 R155/1 ;
AL1 = J1/A29 U30/1 R73/1 ;
AL2 = J1/B29 U30/3 R74/1 ;
AL3 = J1/A30 U30/6 R51/1 ;
EA2 = J2/B15 U5/35 U14/35 ;
EA3 = J2/A15 U5/34 U14/34 ;
EA4 = J2/B14 U40/14 U40/2 U32/1
U5/33 U14/33 ;
EA5 = J2/A14 U40/13 U40/3 U32/2 ;
EA6 = J2/B13 U31/1 U32/3 ;
EA7 = J2/A13 U31/2 U32/4 ;
EA8 = J2/B12 U31/3 U32/5 ;
EA9 = J2/A12 U31/4 U32/6 ;
EA10 = J2/B11 U31/5 U32/7 ;
ED0 = J2/B21 U16/18 U17/3 U22/3
U7/3 U24/2 U25/9 U37/18
U36/18 U39/3 U38/3 U5/14
U14/14 ;
ED1 = J2/A21 U16/16 U17/5 U22/4
U7/4 U24/4 U25/7 U37/16
U36/16 U39/4 U38/4 U5/15
U14/15 ;
ED2 = J2/B20 U16/14 U17/7 U22/7
U7/7 U24/6 U25/5 U37/14
U36/14 U39/7 U38/7 U5/16
U14/16 ;
ED3 = J2/A20 U16/12 U17/9 U22/8
U7/8 U24/8 U25/3 U37/12
U36/12 U39/8 U38/8 U5/17
U14/17 ;
ED4 = J2/B19 U16/9 U17/12 U22/13
U7/13 U24/9 U25/18 U37/9
U36/9 U39/13 U38/13 U5/18
U14/18 ;
ED5 = J2/A19 U16/7 U17/14 U22/14
U7/14 U24/7 U25/16 U37/7
U36/7 U39/14 U38/14 U5/19

U14/19 ;
ED6 = J2/B18 U16/5 U17/16 U22/17 U7/17 U24/5 U25/14 U37/5 U36/5 U39/17 U38/17 U5/20 U14/20 ;
ED7 = J2/A18 U16/3 U17/18 U22/18 U7/18 U24/3 U25/12 U37/3 U36/3 U39/18 U38/18 U5/21 U14/21 ;
N00420 = J3/B1 R2/2 ;
N00421 = J3/A2 R3/2 ;
N00422 = J3/B4 R4/2 ;
N00423 = J3/A5 R5/2 ;
N00424 = J3/B7 R7/2 ;
N00425 = J3/B8 R8/2 ;
N00426 = J3/A8 R6/2 ;
N00427 = J3/B9 R10/2 ;
N00428 = J3/A9 R9/2 ;
N00429 = J3/B10 R11/2 ;
N00430 = J3/B11 R12/2 ;
N00431 = J3/A11 R1/2 ;
N00432 = J3/B12 R13/2 ;
N00433 = J3/A12 R14/2 ;
N00434 = J3/B16 U3/1 R54/1 ;
N00435 = J3/B17 U4/6 R15/1 ;
N00436 = J3/A17 U4/8 R87/1 ;
N00437 = J3/B18 U4/1 R82/1 ;
N00438 = J3/A18 U4/3 R81/1 ;
N00439 = J3/B19 U3/6 R55/1 ;
N00440 = J3/A19 U3/8 R86/1 ;
N00441 = J3/A20 U3/3 R16/1 ;
N00442 = J3/A21 U30/8 R17/1 ;
N00443 = J3/A22 U28/8 R154/1 ;
N00444 = J3/A24 R20/1 ;
N00445 = J3/A25 R19/1 ;
N00446 = J3/A26 R21/1 ;
N00447 = J3/A27 R24/1 ;
N00448 = J3/A28 R22/1 ;
N00449 = J3/A29 R25/1 ;
P12VI = J3/B3 J3/B6 J3/C12 J3/C17 C47/1 C37/1 U2/IN ;
GNDISOL = J3/A7 J3/A10 ISO3/EMITTER ISO4/EMITTER ISO5/EMITTER ISO10/CATHODE ISO9/CATHODE ISO16/CATHODE ISO15/CATHODE ISO7/EMITTER ISO8/EMITTER ISO6/EMITTER ISO12/CATHODE ISO11/CATHODE ISO14/CATHODE ISO13/CATHODE U23/15 R140/2 C22/2 C20/2 C10/2 C11/2 C21/2 C23/2 C12/2 U15/15 C112/2 C108/2 C98/2 C92/2 C118/2 C19/2 C16/2 C15/2 U35/15 R163/2 C127/2 C13/2 C17/2 C18/2 C14/2 U8/15 C37/2 C47/2 U2/COM C36/2 C46/2 C85/2 C61/2 ;
L5VDC = J3/C1 J3/C6 J3/C15 J3/C27 J3/C28 J2/B2 J2/A2 J2/A22 J2/B22 C101/1 C86/1 C87/1 C102/1 C110/1 C90/1 C105/1 C106/1 U16/20 U21/11 U17/20 U22/20 U20/11 U12/11 U7/20 U11/11 R128/1 C54/1 U6/1 R185/1 ISO2/ANODE ISO1/ANODE C139/1 C130/1 C138/1 C137/1 C128/1 C129/1 C131/1 U24/20 U25/20 R28/1 R146/1 R147/1 U37/20 RN7/1 U31/24 U40/16 U36/20 RN6/1 U32/24 C140/1 C141/1 C122/1 C120/1 C123/1 C121/1 C132/1 U30/14 U30/11 U39/20 U29/14 U29/11 U28/14 U28/11 R158/2 R159/2 R160/2 U26/14 U38/20 U27/14 U27/11 R88/2 U5/23 U5/40 U5/64 Q19/EMITTER R83/1 R78/1 C59/1 U1/16 C3/1 Q18/EMITTER C2/1 R135/1 R136/1 R157/1 R156/1 R138/1 R139/1 R148/1 R149/1 U4/11 R129/2 U14/23 U14/40 U14/64 U3/11 R84/1 C103/1 R137/1 Q6/EMITTER Q4/EMITTER Q5/EMITTER Q7/EMITTER Q9/EMITTER Q8/EMITTER C52/1 C53/1 U41/2 ;
LGND = J1/A1 J1/B1 J1/A23 J1/B23 J3/C2 J3/C7 J3/C8 J3/C16 J3/B24 J3/B26 J3/B28 J3/C29 J3/C30 J3/C31 J3/C32 J2/B1 J2/A3 J2/B8 J2/A17 J2/B17 J2/A23 J2/B23 C38/2 C101/2 C86/2 C87/2 C102/2 C110/2 C90/2 C105/2 C106/2 RN1/1 C72/2 C73/2 C71/2 C70/2 C69/2 C68/2 C67/2 C66/2 U16/10 U21/13 U21/12 R119/2 R134/2 U21/4 U21/5 RN2/1 C75/2 C74/2 C76/2 C77/2 C78/2 C79/2 C80/2 C81/2 U17/10 U20/13 U20/12 R118/2 R43/2 R66/2 R133/2 U20/4 U20/5 U22/10 U12/13 U12/12 R42/2 R90/2 R65/2 R109/2 U12/4 U12/5 C83/2 C82/2 C99/2 C100/2 U7/10 U11/13 U11/12 R41/2 R89/2 R64/2 R108/2 U11/4 U11/5 C54/2 U6/2 ISO19/EMITTER ISO18/CATHODE ISO17/CATHODE Q1/COLLECTOR C139/2 C130/2 C138/2 C137/2 C128/2 C129/2 C131/2 U24/10 C34/2 C33/2 C31/2 U25/10 R180/2 S1/16 S1/15 S1/14 S1/13 S1/12 S1/11 S1/10 S1/9 S2/16 S2/15 S2/14 S2/13 S2/12 S2/11 S2/10 S2/9 U37/10 U31/12 U36/10 U40/8 R184/2 U32/12 C140/2 C141/2 C122/2 C120/2 C123/2 C121/2 C132/2 R17/2 U30/13 U30/12 R73/2 R74/2 R51/2 U30/4 U30/5 U29/13 U29/12 R49/2 R72/2 R50/2 R155/2 U29/4 U29/5 U39/10 C113/2 C115/2 C116/2 C114/2 R154/2 U28/13 U28/12 U28/4 U28/5 RN5/1 U27/13 U27/12 U27/4 U27/5 U38/10 U26/7 C39/2 R177/2 U5/2 U5/7 U5/9 U5/22 U5/27 U5/42 U5/54 U5/61 R85/2 C41/2 C8/2 C42/2 C40/2 R179/2 C43/2 C9/2 C44/2 C35/2 C45/2 U1/15 R178/2 C7/2 C59/2 C2/2 ISO4/CATHODE ISO3/CATHODE ISO5/CATHODE ISO10/EMITTER ISO9/EMITTER ISO16/EMITTER ISO15/EMITTER ISO7/CATHODE ISO8/CATHODE ISO6/CATHODE ISO12/EMITTER ISO11/EMITTER ISO14/EMITTER ISO13/EMITTER U4/13 U4/12 R82/2 R81/2 R15/2 R87/2 U4/4 U4/5 U14/2 U14/7 U14/9 U14/22 U14/27 U14/42 U14/54 U14/61 R117/2 R183/2 R182/2 R181/2 U3/13 U3/12 R54/2 R16/2 R55/2 R86/2 U3/4 U3/5 C103/2 C52/2 C53/2 C48/2 C49/2 C24/2 C25/2 R18/2 C96/2 U18/8 U18/11 U18/12 U18/13 U18/14 U18/3 U18/4 U18/5 U18/6 R190/2 Q20/EMITTER U41/3 BT1/- C30/2 C27/2 R26/2 C63/2 U10/8 U10/11 U10/12 U10/13 U10/14 U10/3 U10/4 U10/5 U10/6 C134/2 C136/2 U42/COM C133/2 C135/2 R27/2 C29/2 C64/2 C26/2 U9/8 U9/11 U9/12 U9/13 U9/14 U9/3 U9/4 U9/5 U9/6 C32/2 C28/2 R30/2 C95/2 U19/8 U19/11 U19/12 U19/13 U19/14 U19/3 U19/4 U19/5 U19/6 ;
P12VDC = J2/A1 U42/OUT C133/1 C135/1 ;
24V = J1/A32 J1/B32 J2/A9 J2/B9 J2/A16 J2/B16 C38/1 U21/2 U21/7 U20/2 U20/7 U12/2 U12/7 C83/1 C82/1 C99/1 C100/1 U11/2 U11/7 U30/2 U30/7 U29/2 U29/7 C113/1 C115/1 C116/1 C114/1 U28/2 U28/7 U27/2 U27/7 U4/2 U4/7 U3/2 U3/7 C48/1 C49/1 C134/1 C136/1 U42/IN ;
ISOLPWR = J2/B29 C4/1 C5/1 F1/3 ;
ISOLPGND = J2/A29 C4/2 C5/2 F1/1 ;
ISOL5V = U6/7 C89/1 R91/1 C65/1 Q17/EMITTER U34/8 R175/1 C125/1 C124/1 R170/1 R169/1 R171/2 U33/8 D3/CATHODE C104/1 R130/2 ;
ISOLGND = C89/2 U6/5 R91/2 C65/2 C58/2 C51/2 R176/2 U34/5 R172/1 ISO19/CATHODE C125/2 C124/2 ISO18/EMITTER U33/5 C57/2 C50/2

ISO17/EMITTER C88/2 R112/2
F1/2
C56/2 C55/2 U13/4 C94/2
U13/2 C104/2 D4/ANODE ;
P5VI = U23/16 C109/1 C108/1
Q11/EMITTER
Q10/EMITTER Q12/EMITTER
Q13/EMITTER U15/16
C93/1 C92/1 C118/1
Q16/EMITTER
Q15/EMITTER U35/16 C119/1
R95/1
U2/OUT C36/1 C46/1
Q2/EMITTER
Q3/EMITTER C61/1 U8/16 C62/1
R94/1 R164/1 R123/1 R122/1
R141/1 ;
VBAT = C96/1 R20/2 C25/1 U18/16
R191/1 U41/1 C63/1 R22/2
C27/1 U10/16 C64/1 R21/2
C26/1 U9/16 C95/1 R23/2
C28/1 U19/16 ;

Reference Listings

I/O to Components and I/Cs List

% MKV COMMS CONFIGURATION BOARD
BIL/BAL/232 - 410291 Revised: May 22, 1996

% Aristocrat Leisure Ind.

%

% 85-113 Dunning Ave. Rosebery, NSW

%

%

BOARD = ORCAD.PCB;

PARTS

.1UF = C1, % .1UF
C2, % .1UF
C3, % .1UF
C4, % .1UF
C5, % .1UF
C6, % .1UF
C8, % .1UF
C9; % .1UF
100PF = C7, % 100PF
C10, % 100PF
C11; % 100PF
100R = R14, % 100R
R25, % 100R
R28; % 100R
10K = R1, % 10K
R2, % 10K
R26, % 10K
R37; % 10K
150K = R30; % 150K
1K = R10, % 1K
R13, % 1K
R18, % 1K
R20, % 1K
R21, % 1K
R27, % 1K
R32, % 1K
R36, % 1K
R38, % 1K
R41; % 1K
20K = R24, % 20K
R29; % 20K
270R = R23, % 270R
R33; % 270R
2K2 = R11, % 2K2
R12; % 2K2
2N2907A = Q2, % 2N2907A
Q10; % 2N2907A
330R = R15; % 330R
470R = R7, % 470R
R16, % 470R
R31; % 470R
4K7 = R3, % 4K7
R4, % 4K7
R5, % 4K7
R6, % 4K7
R8, % 4K7
R9, % 4K7
R17, % 4K7
R19, % 4K7
R22, % 4K7
R34, % 4K7
R35, % 4K7
R39, % 4K7
R40; % 4K7
72P EDGE = J1; % 72P EDGE
BAS16 = D1, % BAS16
D2; % BAS16
BC847 = Q1, % BC847
Q3, % BC847
Q4, % BC847
Q5, % BC847
Q6, % BC847
Q7, % BC847
Q8, % BC847
Q9; % BC847
LM78L05ACM = U3; %
LM78L05ACM
MC145406 = U1, % MC145406
U2; % MC145406
TP = TP1, % TP
TP2, % TP
TP3, % TP
TP4, % TP
TP5, % TP
TP6, % TP
TP7, % TP
TP8, % TP
TP9, % TP
TP10, % TP
TP13, % TP
TP17, % TP
TP18, % TP
TP19, % TP
TP20, % TP
TP21, % TP
TP23, % TP
TP24, % TP
TP25, % TP
TP26, % TP
TP30, % TP
TP32, % TP
TP33, % TP
TP35, % TP
TP36, % TP
TP37, % TP
TP38; % TP

NETS

N00001 = TP24/1 Q2/COLLECTOR R33/1 ;
N00002 = R9/2 TP25/1 Q2/BASE ;
N00003 = R37/2 U1/10 TP20/1 Q5/COLLECTOR ;
N00004 = U1/15 TP19/1 R9/1 ;
N00005 = U1/13 R10/1 TP18/1 ;
N00006 = U1/11 TP17/1 R18/1 ;
N00007 = TP4/1 C10/1 R25/1 Q6/COLLECTOR ;

N00008 = Q9/COLLECTOR TP32/1 R36/2 R34/1 ;
N00009 = Q9/BASE R35/2 ;
N00010 = R34/2 TP26/1 Q8/BASE ;
N00011 = TP3/1 R24/2 Q6/BASE ;
N00012 = R17/2 Q5/BASE ;
N00013 = TP10/1 C11/1 R28/1 Q7/COLLECTOR ;
N00014 = TP13/1 R29/2 Q7/BASE ;
N00015 = Q10/COLLECTOR TP38/1 R23/1 ;
N00016 = R22/2 TP37/1 Q10/BASE ;
N00017 = TP9/1 C7/1 R14/1 Q4/COLLECTOR ;
N00018 = U2/15 R22/1 TP36/1 ;
N00019 = TP8/1 R13/2 Q4/BASE R15/2 ;
N00020 = U2/13 TP35/1 R20/1 ;
N00021 = U2/11 TP33/1 R21/1 ;
N00022 = TP5/1 R12/2 D1/1 ;
N00023 = R32/2 R31/2 TP21/1 D2/1 ;
N00024 = TP1/1 R11/2 Q3/COLLECTOR ;
N00025 = TP7/1 R1/2 R3/2 Q1/COLLECTOR ;
N00026 = TP2/1 Q3/BASE R1/1 ;
N00027 = R26/1 Q1/BASE TP6/1 R2/1 ;
CFG35 = J1/61 J1/64 C4/1 U2/16 R40/1 R39/1 R41/1 Q10/EMITTER R36/1 J1/46 J1/42 J1/32 R38/1 C2/1 U3/1 C5/1 U1/16 R8/1 R37/1 R19/1 Q2/EMITTER ;
CFG29 = J1/36 R33/2 Q8/COLLECTOR ;
CFG9 = R3/1 J1/17 J1/20 J1/16 J1/13 C3/1 U2/1 R5/2 R7/1 R4/2 J1/48 J1/24 U3/8 C6/1 R6/1 C1/1 U1/1 ;
CFG2 = J1/1 ;
CFG40 = R2/2 Q1/EMITTER Q3/EMITTER J1/70 J1/51 J1/56 J1/58 C4/2 U2/9 C9/2 R15/1 Q4/EMITTER C7/2 C3/2 Q7/EMITTER C11/2 J1/38 J1/34 J1/25 R30/1 Q6/EMITTER Q5/EMITTER Q8/EMITTER C10/2 Q9/EMITTER C8/2 C2/2 U1/9 U3/7 U3/6 U3/2 U3/3 C5/2 J1/72 J1/50 J1/28 C6/2 J1/2 C1/2 ;
CFG4 = R24/1 J1/3 ;
CFG1 = J1/4 ;
CFG19 = J1/27 R8/2 U1/14 ;
CFG21 = J1/40 R19/2 U1/12 ;
SIN1 = D2/2 J1/5 ;
SIN2 = J1/33 R6/2 U1/2 ;
CFG3 = R4/1 J1/6 ;
SOUT1 = R14/2 J1/7 ;
CFG6 = R29/1 J1/8 ;
CTS1 = R27/1 R26/2 J1/9 ;
CFG5 = R5/1 J1/10 ;
RTS2 = J1/43 U1/3 ;
DSR1 = D1/2 J1/11 ;
CFG8 = R13/1 J1/12 ;
CTS2 = J1/37 U1/4 ;
CFG32 = J1/44 R10/2 ;
CFG10 = R11/1 J1/14 ;
I1 = R27/2 J1/15 ;
DTR2 = J1/45 U1/5 ;
CFG12 = R12/1 J1/18 ;
RTS1 = R25/2 J1/19 ;
DSR2 = J1/39 U1/6 ;
CFG34 = J1/49 R18/2 ;
DTR1 = R28/2 J1/21 ;
CFG14 = R32/1 R31/1 J1/22 ;
SOUT2 = J1/35 U1/7 ;
-12VI = J1/52 J1/26 C8/1 U1/8 C9/1 U2/8 ;
CFG18 = R16/2 J1/29 ;
CFG17 = R7/2 J1/30 ;
CFG16 = R30/2 J1/31 ;
I2 = J1/41 R38/2 R35/1 ;
O2 = J1/47 R17/1 R16/1 ;
SIN3 = U2/2 J1/53 ;
CFG23 = R39/2 U2/14 J1/54 ;
SOUT3 = U2/7 J1/55 ;
CFG25 = R40/2 U2/12 J1/57 ;
CTS3 = U2/4 J1/59 ;
CFG39 = J1/68 R23/2 ;
CFG27 = R41/2 U2/10 J1/60 ;
CFG36 = R20/2 J1/62 ;
DSR3 = U2/6 J1/63 ;
CFG38 = R21/2 J1/66 ;
RTS3 = U2/3 J1/67 ;
DTR3 = U2/5 J1/69 ;

Reference Listings

I/O to Components and I/Cs List

% MECHANICAL METERS BOARD - 572391
Revised: March 6, 2001

% ARISTOCRAT TECHNOLOGIES AUSTRALIA

%

%

BOARD = ORCAD.PCB;

PARTS

```
CONMINI24      = J2;   % CONMINI24
CONMINI6       = J1;   % CONMINI6
COUNTER-7D     = M1,   % COUNTER-
7D
               M2,   % COUNTER-7D
               M3,   % COUNTER-7D
               M4,   % COUNTER-7D
               M5,   % COUNTER-7D
               M6;   % COUNTER-7D
SW SPDT        = S1;   % SW SPDT
```

NETS

```
MET24V    = J2/1 J2/13 J2/14 J2/2
            M1/2 J2/3 J2/4 M2/2
            M3/2 M4/2 M5/2 M6/2 ;
LTL24V    = J2/15 J2/16 J1/6 J1/1 ;
SEC_NC    = S1/NC J2/17 ;
HM1       = M1/1 J2/5 ;
SEC_COM   = S1/COMMON J2/19 ;
SEC_NO    = S1/NO J2/18 ;
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```
HM2       = M2/1 J2/6 ;
HM3       = M3/1 J2/7 ;
LTL1      = J2/20 J1/2 ;
HM4       = M4/1 J2/8 ;
LTL2      = J2/21 J1/3 ;
HM5       = M5/1 J2/9 ;
LTL3      = J2/22 J1/4 ;
HM6       = M6/1 J2/10 ;
LTL4      = J2/23 J1/5 ;
```

Reference Listings

Main Board Component Names and Functions List

PCBA Number: 410289 Revised: August 13, 1996

Item	Reference	Part	Function	Reference Schematic
1	B1	BATT 430576	BATTERY	10 BATTERY.SCH
2	CD01	0.1uF CSM2012 430314	MISC	12 MISC.SCH
3	CD02	0.1uF CSM2012 430314	MISC	12 MISC.SCH
4	CD03	0.1uF CSM2012 430314	MISC	12 MISC.SCH
5	CD05	0.1uF CSM2012 430314	MISC	12 MISC.SCH
6	CD06	0.1uF CSM2012 430314	MISC	12 MISC.SCH
7	CD07	0.1uF CSM2012 430314	MISC	12 MISC.SCH
8	CD08	0.1uF CSM2012 430314	MISC	12 MISC.SCH
9	CD09	0.1uF CSM2012 430314	MISC	12 MISC.SCH
10	CD10	0.1uF CSM2012 430314	MISC	12 MISC.SCH
11	CD11	0.1uF CSM2012 430314	MISC	12 MISC.SCH
12	CD12	0.1uF CSM2012 430314	MISC	12 MISC.SCH
13	CD14	0.1uF CSM2012 430314	MISC	12 MISC.SCH
14	CD15	0.1uF CSM2012 430314	MISC	12 MISC.SCH
15	CD16	0.1uF CSM2012 430314	MISC	12 MISC.SCH
16	CD17	0.1uF CSM2012 430314	MISC	12 MISC.SCH
17	CD18	0.1uF CSM2012 430314	MISC	12 MISC.SCH
18	CD19	0.1uF CSM2012 430314	MISC	12 MISC.SCH
19	CD20	0.1uF CSM2012 430314	MISC	12 MISC.SCH
20	CD21	0.1uF CSM2012 430314	MISC	12 MISC.SCH
21	CD22	0.1uF CSM2012 430314	MISC	12 MISC.SCH
22	CD25	0.1uF CSM2012 430314	MISC	12 MISC.SCH
23	CD26	0.1uF CSM2012 430314	MISC	12 MISC.SCH
24	CD27	0.1uF CSM2012 430314	MISC	12 MISC.SCH
25	CD28	0.1uF CSM2012 430314	MISC	12 MISC.SCH
26	CD29	0.1uF CSM2012 430314	MISC	12 MISC.SCH
27	CD30	0.1uF CSM2012 430314	MISC	12 MISC.SCH
28	CD31	0.1uF CSM2012 430314	MISC	12 MISC.SCH
29	CD32	0.1uF CSM2012 430314	MISC	12 MISC.SCH
30	CD33	0.1uF CSM2012 430314	MISC	12 MISC.SCH
31	CD34	0.1uF CSM2012 430314	MISC	12 MISC.SCH
32	CD35	0.1uF CSM2012 430314	MISC	12 MISC.SCH
33	CD36	0.1uF CSM2012 430314	MISC	12 MISC.SCH
34	CD37	0.1uF CSM2012 430314	MISC	12 MISC.SCH
35	CD38	0.1uF CSM2012 430314	MISC	12 MISC.SCH
36	C1	0.1uF CSM2012 430314	SRAM	33 SRAM.SCH
37	C2	0.1uF CSM2012 430314	SRAM	33 SRAM.SCH
38	C3	0.1uF CSM2012 430314	SRAM	33 SRAM.SCH
39	C9	12pF CSM2012 430306	CPU	22 CPU.SCH
40	C10	12pF CSM2012 430306	CPU	22 CPU.SCH
41	C11	10uF CRE_A_01 02911	SOUND	14 SOUND.SCH
42	C12	1nF CSM3216 430479	SOUND	14 SOUND.SCH
43	C14	100pF CSM2012 430415	IO_IN	19 IO_IN.SCH
44	C15	100pF CSM2012 430415	COIN	25 COIN.SCH
45	C16	0.1uF CSM2012 430314	COIN	25 COIN.SCH
46	C17	0.1uF CSM2012 430314	COIN	25 COIN.SCH
47	C18	0.1uF CSM2012 430314	COIN	25 COIN.SCH
48	C19	0.1uF CSM2012 430314	COIN	25 COIN.SCH
49	C20	0.1uF CSM2012 430314	COIN	25 COIN.SCH
50	C21	100pF CSM2012 430415	COIN	25 COIN.SCH
51	C22	100pF CSM2012 430415	IO_IN	19 IO_IN.SCH

52	C31	1nF CSM3216 430479	SOUND	14	SOUND.SCH
53	C32	1nF CSM3216 430479	SOUND	14	SOUND.SCH
54	C34	0.1uF CSM2012 430314	RESET1	9	RESET1.SCH
55	C35	1nF CSM3216 430479	SOUND	14	SOUND.SCH
56	C36	15uF CST6032 430321	SOUND	14	SOUND.SCH
57	C39	100pF CSM2012 430415	IO_IN	19	IO_IN.SCH
58	C40	0.1uF CSM2012 430314	COIN	25	COIN.SCH
59	C41	0.1uF CSM2012 430314	COIN	25	COIN.SCH
60	C42	0.1uF CSM2012 430314	COIN	25	COIN.SCH
61	C43	0.1uF CSM2012 430314	COIN	25	COIN.SCH
62	C44	82pF CSM2012 430307	VIDEO	21	VIDEO.SCH
63	C45	0.1uF CSM2012 430314	VIDEO	21	VIDEO.SCH
64	C46	82pF CSM2012 430307	VIDEO	21	VIDEO.SCH
65	C47	82pF CSM2012 430307	VIDEO	21	VIDEO.SCH
66	C48	0.1uF CSM2012 430314	VIDEO	21	VIDEO.SCH
67	C49	100pF CSM2012 430415	SOUND	14	SOUND.SCH
68	C50	100pF CSM2012 430415	SOUND	14	SOUND.SCH
69	C51	82pF CSM2012 430307	SOUND	14	SOUND.SCH
70	C53	10uF CRE_A_01 02911	SOUND	14	SOUND.SCH
71	C54	100pF CSM2012 430415	SOUND	14	SOUND.SCH
72	C55	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
73	C56	100pF CSM2012 430415	IO_IN	19	IO_IN.SCH
74	C57	0.22uF CSM3225 430313	SOUND	14	SOUND.SCH
75	C59	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
76	C60	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
77	C61	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
78	C62	0.1uF CSM2012 430314	COIN	25	COIN.SCH
79	C63	0.22uF CSM3225 430313	POWER	7	POWER.SCH
80	C64	0.1uF CSM2012 430314	POWER	7	POWER.SCH
81	C65	22nF CSM2012 430312	POWER	7	POWER.SCH
82	C66	0.1uF CSM2012 430314	POWER	7	POWER.SCH
83	C67	0.1uF CSM2012 430314	POWER	7	POWER.SCH
84	C68	0.1uF CSM2012 430314	POWER	7	POWER.SCH
85	C70	390pF CSM2012 430308	POWER	7	POWER.SCH
86	C71	2.2nF CSM3216 430311	POWER	7	POWER.SCH
87	C72	220pF CSM3216 430386	POWER	7	POWER.SCH
88	C73	0.1uF CSM2012 430314	POWER	7	POWER.SCH
89	C80	0.1uF CSM2012 430314	OSEC	41	OSEC.SCH
90	C90	15uF CST6032 430321	MISC	12	MISC.SCH
91	C91	15uF CST6032 430321	MISC	12	MISC.SCH
92	C92	15uF CST6032 430321	MISC	12	MISC.SCH
93	C93	15uF CST6032 430321	MISC	12	MISC.SCH
94	C94	15uF CST6032 430321	MISC	12	MISC.SCH
95	C95	470uF CRE_A_04 04398	POWER	7	POWER.SCH
96	C96	0.1uF CSM2012 430314	RESET1	9	RESET1.SCH
97	C97	100uF CRE_A_02 430318	SOUND	14	SOUND.SCH
98	C98	15uF CST6032 430321	SOUND	14	SOUND.SCH
99	C99	0.1uF CSM2012 430314	MISC	12	MISC.SCH
100	C100	100uF CRE_A_02 430318	POWER	7	POWER.SCH
101	C101	0.1uF CSM2012 430314	MISC	12	MISC.SCH
102	C102	47uF CRE_A_01 430317	SOUND	14	SOUND.SCH
103	C103	1000uF CRE_A_05 430320	POWER	7	POWER.SCH
104	C104	2.2uF CST6032 430432	POWER	7	POWER.SCH
105	C105	47uF CRE_A_01 430317	POWER	7	POWER.SCH
106	C106	47uF CRE_A_01 430317	POWER	7	POWER.SCH
107	C108	1000uF CRE_A_05 430320	POWER	7	POWER.SCH
108	C109	100uF CRE_A_02 430318	POWER	7	POWER.SCH
109	C110	2.2uF CST6032 430432	POWER	7	POWER.SCH
110	C111	2.2uF CST6032 430432	POWER	7	POWER.SCH
111	C113	0.1uF CSM2012 430314	MISC	12	MISC.SCH
112	C114	0.1uF CSM2012 430314	MISC	12	MISC.SCH
113	C115	0.1uF CSM2012 430314	MISC	12	MISC.SCH
114	C116	0.1uF CSM2012 430314	MISC	12	MISC.SCH
115	C117	0.1uF CSM2012 430314	MISC	12	MISC.SCH
116	C118	0.1uF CSM2012 430314	MISC	12	MISC.SCH
117	C119	0.1uF CSM2012 430314	MISC	12	MISC.SCH
118	C120	0.1uF CSM2012 430314	MISC	12	MISC.SCH

119	C121	0.1uF CSM2012 430314	COMMS1	27	COMMS1.SCH
120	C122	0.1uF CSM2012 430314	MISC	12	MISC.SCH
121	C123	0.1uF CSM2012 430314	MISC	12	MISC.SCH
122	C124	0.1uF CSM2012 430314	MISC	12	MISC.SCH
123	C125	0.1uF CSM2012 430314	MISC	12	MISC.SCH
124	C126	0.1uF CSM2012 430314	MISC	12	MISC.SCH
125	C127	0.1uF CSM2012 430314	MISC	12	MISC.SCH
126	C128	0.1uF CSM2012 430314	MISC	12	MISC.SCH
127	C129	0.1uF CSM2012 430314	MISC	12	MISC.SCH
128	C130	0.1uF CSM2012 430314	MISC	12	MISC.SCH
129	C131	0.1uF CSM2012 430314	MISC	12	MISC.SCH
130	C132	0.1uF CSM2012 430314	MISC	12	MISC.SCH
131	C133	0.1uF CSM2012 430314	COMMS1	27	COMMS1.SCH
132	C134	0.1uF CSM2012 430314	MISC	12	MISC.SCH
133	C135	0.1uF CSM2012 430314	MISC	12	MISC.SCH
134	C136	0.1uF CSM2012 430314	MISC	12	MISC.SCH
135	C137	0.1uF CSM2012 430314	MISC	12	MISC.SCH
136	C138	0.1uF CSM2012 430314	MISC	12	MISC.SCH
137	C139	0.1uF CSM2012 430314	MISC	12	MISC.SCH
138	C140	0.1uF CSM2012 430314	MISC	12	MISC.SCH
139	C141	0.1uF CSM2012 430314	MISC	12	MISC.SCH
140	C142	0.1uF CSM2012 430314	MISC	12	MISC.SCH
141	C143	0.1uF CSM2012 430314	MISC	12	MISC.SCH
142	C144	0.1uF CSM2012 430314	MISC	12	MISC.SCH
143	C145	0.1uF CSM2012 430314	COMMS1	27	COMMS1.SCH
144	C146	0.1uF CSM2012 430314	MISC	12	MISC.SCH
145	C147	0.1uF CSM2012 430314	MISC	12	MISC.SCH
146	C148	0.1uF CSM2012 430314	MISC	12	MISC.SCH
147	C149	0.1uF CSM2012 430314	MISC	12	MISC.SCH
148	C150	0.1uF CSM2012 430314	MISC	12	MISC.SCH
149	C151	0.1uF CSM2012 430314	MISC	12	MISC.SCH
150	C152	0.1uF CSM2012 430314	MISC	12	MISC.SCH
151	C153	0.1uF CSM2012 430314	MISC	12	MISC.SCH
152	C154	0.1uF CSM2012 430314	MISC	12	MISC.SCH
153	C155	0.1uF CSM2012 430314	MISC	12	MISC.SCH
154	C156	0.1uF CSM2012 430314	MISC	12	MISC.SCH
155	C157	0.1uF CSM2012 430314	POWER	7	POWER.SCH
156	C158	0.1uF CSM2012 430314	MISC	12	MISC.SCH
157	C159	0.1uF CSM2012 430314	MISC	12	MISC.SCH
158	C160	0.1uF CSM2012 430314	MISC	12	MISC.SCH
159	C161	0.1uF CSM2012 430314	MISC	12	MISC.SCH
160	C162	0.1uF CSM2012 430314	MISC	12	MISC.SCH
161	C163	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
162	C164	100pF CSM2012 430415	COIN	25	COIN.SCH
163	C165	470uF CRE_A_05 04398	SOUND	14	SOUND.SCH
164	C166	15uF CST6032 430321	VIDEO	21	VIDEO.SCH
165	C167	47uF CRE_A_02 430317	VIDEO	21	VIDEO.SCH
166	C172	0.1uF CSM2012 430314	MISC	12	MISC.SCH
167	C173	0.1uF CSM2012 430314	MISC	12	MISC.SCH
168	C174	0.1uF CSM2012 430314	COMMS1	27	COMMS1.SCH
169	C177	100pF CSM2012 430307	SOUND	14	SOUND.SCH
170	C178	0.1uF CSM2012 430314	VIDEO	21	VIDEO.SCH
171	C179	100pF CSM2012 430415	VIDEO	21	VIDEO.SCH
172	C180	100pF CSM2012 430415	VIDEO	21	VIDEO.SCH
173	C188	0.1uF CSM2012 430314	COIN	25	COIN.SCH
174	C189	0.1uF CSM2012 430314	COIN	25	COIN.SCH
175	C190	100pF CSM2012 430307	COMMS1	27	COMMS1.SCH
176	C191	0.1uF CSM2012 430314	P22	5	P22.SCH
177	C193	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
178	C194	2.2nF CSM3216 430311	POWER	7	POWER.SCH
179	C195	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
180	C196	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
181	C197	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
182	C198	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
183	C199	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
184	C200	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH
185	C201	100pF CSM2012 430307	REG_OUT	35	REG_OUT.SCH

186	C202	100pF CSM2012 430415	COIN	25	COIN.SCH
187	C203	100pF CSM2012 430415	CPU	22	CPU.SCH
188	C204	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
189	C205	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
190	C208	100pF CSM2012 430415	RESET1	9	RESET1.SCH
191	C210	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
192	C211	0.1uF CSM2012 430314	SOUND	14	SOUND.SCH
193	C212	100pF CSM2012 430415	CPU	22	CPU.SCH
194	C213	0.1uF CSM2012 430314	COMMS1	27	COMMS1.SCH
195	C214	2.2uF CST6032 430432	SOUND	14	SOUND.SCH
196	C215	100pF CSM2012 430415	COMMS1	27	COMMS1.SCH
197	C217	0.1uF CSM2012 430314	MISC	12	MISC.SCH
198	C218	0.1uF CSM2012 430314	MISC	12	MISC.SCH
199	C501	0.1uF CSM2012 430314	DMEMORY	15	DMEMORY.SCH
200	C502	0.1uF CSM2012 430314	DMEMORY	15	DMEMORY.SCH
201	D2	BAS81 MLL34 430272	BATTERY	10	BATTERY.SCH
202	D4	MUR110 DO41P102 430274	POWER	7	POWER.SCH
203	D5	BAV99 BAV99 430268	VIDEO	21	VIDEO.SCH
204	D6	BAV99 BAV99 430268	VIDEO	21	VIDEO.SCH
205	D7	BAV99 BAV99 430268	VIDEO	21	VIDEO.SCH
206	D8	MUR110 DO41P102 430274	POWER	7	POWER.SCH
207	D9	1N4001 DP01P040 03487	SOUND	14	SOUND.SCH
208	D10	1N4001 DP01P040 03487	SOUND	14	SOUND.SCH
209	D11	BAS16 SOT23NEW 430269	VIDEO	21	VIDEO.SCH
210	D12	BAS16 SOT23NEW 430269	VIDEO	21	VIDEO.SCH
211	D13	BAS16 SOT23NEW 430269	VIDEO	21	VIDEO.SCH
212	D14	BAS16 SOT23NEW 430269	VIDEO	21	VIDEO.SCH
213	D15	BAS16 SOT23NEW 430269	SOUND	14	SOUND.SCH
214	D23	BAS16 SOT23NEW 430269	OSEC	41	OSEC.SCH
215	D26	12CTQ45V 12CTQ45V 430273	POWER	7	POWER.SCH
216	D39	BAT54 SOT23NEW 430270	BATTERY	10	BATTERY.SCH
217	D42	LED OLSM3216 42272	CPU	22	CPU.SCH
218	D43	LED OLSM3216 42272	CPU	22	CPU.SCH
219	D44	LED OLSM3216 42272	CPU	22	CPU.SCH
220	D45	LED OLSM3216 42272	CPU	22	CPU.SCH
221	D59	BAS16 SOT23NEW 430269	BATTERY	10	BATTERY.SCH
222	D62	BZX84 SOT23NEW 430487	CPU	22	CPU.SCH
223	H1	HOLE PIN2	MISC	12	MISC.SCH
224	H2	HOLE PIN2	MISC	12	MISC.SCH
225	H3	HOLE PIN2	MISC	12	MISC.SCH
226	H5	HOLE PIN2	MISC	12	MISC.SCH
227	H6	HOLE HOLE001	MISC	12	MISC.SCH
228	H7	HOLE HOLE001	MISC	12	MISC.SCH
229	H9	HOLE HOLE001	MISC	12	MISC.SCH
230	H21	HOLE HOLE001	MISC	12	MISC.SCH
231	H22	HOLE HOLE001	MISC	12	MISC.SCH
232	H23	HOLE HOLE001	MISC	12	MISC.SCH
233	H24	HOLE HOLE001	MISC	12	MISC.SCH
234	H25	HOLE HOLE001	MISC	12	MISC.SCH
235	H26	HOLE HOLE001	MISC	12	MISC.SCH
236	H34	HOLE HOLE001	MISC	12	MISC.SCH
237	H35	HOLE HOLE001	MISC	12	MISC.SCH
238	H36	HOLE HOLE001	MISC	12	MISC.SCH
239	H37	HOLE HOLE001	MISC	12	MISC.SCH
240	H42	HOLE HOLE001	MISC	12	MISC.SCH
241	H43	HOLE HOLE001	MISC	12	MISC.SCH
242	H44	HOLE HOLE001	MISC	12	MISC.SCH
243	L1	2u2H ISS003 430277	VIDEO	21	VIDEO.SCH
244	L2	33uH ISS003 430278	SOUND	14	SOUND.SCH
245	L3	33uH ISS003 430278	SOUND	14	SOUND.SCH
246	L4	BEAD SMDBEAD 430387	SOUND	14	SOUND.SCH
247	L5	BEAD SMDBEAD 430387	SOUND	14	SOUND.SCH
248	L6	BEAD SMDBEAD 430387	P22	5	P22.SCH
249	L15	BEAD SMDBEAD 430387	POWER	7	POWER.SCH
250	P1	41612A KEVF_96A 05970	P1	2	P1.SCH
251	P2	PIN3 KHPVNA03 42253	EPROM	18	EPROM.SCH
252	P7	CON40A KPVNC040 430436	CPU	22	CPU.SCH

253	P15	CON40A KPVNC040 430436	CPU	22	CPU.SCH
254	P18	CON40A KPVNC040 430436	CPU	22	CPU.SCH
255	P20	41612A CNEM96RH 05069	P20	3	P20.SCH
256	P21	41612A CNEM96RH 05069	P21	4	P21.SCH
257	P22	41612A CNEM96RH 05069	P22	5	P22.SCH
258	P23	SIMM72 SKSMA072 430397	COMMS	26	COMMS.SCH
259	P35	PIN2 KHPVNA02 42254	EEPROM	30	EEPROM.SCH
260	P36	CON40A KPVNC040 430436	CPU	22	CPU.SCH
261	P39	PIN4M CONN4-1 430435	BATTERY	10	BATTERY.SCH
262	Q3	2N2907A SOT23A 430266	OSEC	41	OSEC.SCH
263	Q6	MMBT3906 SOT23ITA 430265	VIDEO	21	VIDEO.SCH
264	Q7	MMBT3906 SOT23ITA 430265	VIDEO	21	VIDEO.SCH
265	Q8	MMBT3906 SOT23ITA 430265	VIDEO	21	VIDEO.SCH
266	Q9	MMBT3906 SOT23ITA 430265	VIDEO	21	VIDEO.SCH
267	Q16	BC847 SOT23ITA 430267	RESET1	9	RESET1.SCH
268	Q17	BC847 SOT23ITA 430267	BATTERY	10	BATTERY.SCH
269	Q22	2N2907A SOT23A 430266	COMMS1	27	COMMS1.SCH
270	Q23	2N2907A SOT23A 430266	COMMS2	28	COMMS2.SCH
271	Q24	2N2907A SOT23A 430266	COMMS2	28	COMMS2.SCH
272	Q26	2N2907A SOT23A 430266	BATTERY	10	BATTERY.SCH
273	R1	10K RSM2012 430302	SOUND	14	SOUND.SCH
274	R2	1K RSM2012 430289	MISC	12	MISC.SCH
275	R3	1K RSM2012 430289	MISC	12	MISC.SCH
276	R4	20K RSM2012 430296	POWER	7	POWER.SCH
277	R5	1K RADC3220 430408	POWER	7	POWER.SCH
278	R6	1K RSM2012 430289	CPU	22	CPU.SCH
279	R7	20K RSM2012 430296	POWER	7	POWER.SCH
280	R10	10K RSM2012 430302	SOUND	14	SOUND.SCH
281	R26	68R RSM2012 430284	VIDEO	21	VIDEO.SCH
282	R27	68R RSM2012 430284	VIDEO	21	VIDEO.SCH
283	R28	100K RSM2012 430301	VIDEO	21	VIDEO.SCH
284	R29	300R RSM2012 430288	VIDEO	21	VIDEO.SCH
285	R30	300R RSM2012 430288	VIDEO	21	VIDEO.SCH
286	R31	300R RSM2012 430288	VIDEO	21	VIDEO.SCH
287	R32	43R RSM2012 430283	VIDEO	21	VIDEO.SCH
288	R33	43R RSM2012 430283	VIDEO	21	VIDEO.SCH
289	R34	43R RSM2012 430283	VIDEO	21	VIDEO.SCH
290	R35	200R RSM2012 430285	VIDEO	21	VIDEO.SCH
291	R36	200R RSM2012 430285	VIDEO	21	VIDEO.SCH
292	R37	200R RSM2012 430285	VIDEO	21	VIDEO.SCH
293	R38	68R RSM2012 430284	VIDEO	21	VIDEO.SCH
294	R39	68R RSM2012 430284	VIDEO	21	VIDEO.SCH
295	R40	68R RSM2012 430284	VIDEO	21	VIDEO.SCH
296	R41	10K RSM2012 430302	VIDEO	21	VIDEO.SCH
297	R42	47K RSM2012 430482	SOUND	14	SOUND.SCH
298	R43	47K RSM2012 430482	SOUND	14	SOUND.SCH
299	R44	47K RSM2012 430482	SOUND	14	SOUND.SCH
300	R45	820K RSM2012 430486	SOUND	14	SOUND.SCH
301	R46	62K RSM2012 430483	SOUND	14	SOUND.SCH
302	R47	75K RSM2012 430484	SOUND	14	SOUND.SCH
303	R48	10K RSM2012 430302	SOUND	14	SOUND.SCH
304	R49	47K RSM2012 430482	SOUND	14	SOUND.SCH
305	R50	4K7 RSM3216 430291	SOUND	14	SOUND.SCH
306	R51	150K RSM2012 430485	SOUND	14	SOUND.SCH
307	R52	1R RSM3216 430281	SOUND	14	SOUND.SCH
308	R53	150K RSM2012 430485	SOUND	14	SOUND.SCH
309	R54	10K RSM2012 430302	SOUND	14	SOUND.SCH
310	R55	47K RSM2012 430482	SOUND	14	SOUND.SCH
311	R56	33R RSM2012 430282	CPU	22	CPU.SCH
312	R57	33R RSM2012 430282	CPU	22	CPU.SCH
313	R58	16K RSM2012 430295	POWER	7	POWER.SCH
314	R59	22R RADCHALF 430303	POWER	7	POWER.SCH
315	R60	33R RSM2012 430282	CPU	22	CPU.SCH
316	R61	33R RSM2012 430282	CPU	22	CPU.SCH
317	R62	16K RSM2012 430295	POWER	7	POWER.SCH
318	R71	270R RSM2012 430287	OSEC	41	OSEC.SCH
319	R73	1K RSM2012 430289	OSEC	41	OSEC.SCH

320	R84	1M RSM2012 430300	RESET1	9	RESET1.SCH
321	R85	1K RSM2012 430289	BATTERY	10	BATTERY.SCH
322	R90	1K RSM2012 430289	BATTERY	10	BATTERY.SCH
323	R93	100K RSM2012 430301	RESET1	9	RESET1.SCH
324	R94	47K RSM2012 430482	BATTERY	10	BATTERY.SCH
325	R95	20K RSM2012 430296	RESET1	9	RESET1.SCH
326	R96	20K RSM2012 430296	RESET1	9	RESET1.SCH
327	R99	1K RSM2012 430289	IODECODE	11	IODECODE.SCH
328	R100	33R RSM2012 430282	CPU	22	CPU.SCH
329	R101	33R RSM2012 430282	CPU	22	CPU.SCH
330	R102	33R RSM2012 430282	CPU	22	CPU.SCH
331	R103	33R RSM2012 430282	CPU	22	CPU.SCH
332	R104	33R RSM2012 430282	CPU	22	CPU.SCH
333	R105	33R RSM2012 430282	CPU	22	CPU.SCH
334	R106	33R RSM2012 430282	CPU	22	CPU.SCH
335	R107	33R RSM2012 430282	CPU	22	CPU.SCH
336	R108	33R RSM2012 430282	CPU	22	CPU.SCH
337	R109	33R RSM2012 430282	CPU	22	CPU.SCH
338	R110	33R RSM2012 430282	CPU	22	CPU.SCH
339	R111	33R RSM2012 430282	CPU	22	CPU.SCH
340	R112	33R RSM2012 430282	CPU	22	CPU.SCH
341	R113	33R RSM2012 430282	CPU	22	CPU.SCH
342	R114	33R RSM2012 430282	CPU	22	CPU.SCH
343	R115	33R RSM2012 430282	CPU	22	CPU.SCH
344	R116	33R RSM2012 430282	CPU	22	CPU.SCH
345	R117	33R RSM2012 430282	CPU	22	CPU.SCH
346	R118	33R RSM2012 430282	CPU	22	CPU.SCH
347	R119	33R RSM2012 430282	CPU	22	CPU.SCH
348	R120	68R RSM2012 430284	CPU	22	CPU.SCH
349	R121	1K RSM2012 430289	CPU	22	CPU.SCH
350	R123	1M RSM2012 430300	CPU	22	CPU.SCH
351	R125	68R RSM2012 430284	CPU	22	CPU.SCH
352	R126	1K RSM2012 430289	CPU	22	CPU.SCH
353	R127	1K RSM2012 430289	CPU	22	CPU.SCH
354	R128	1K RSM2012 430289	CPU	22	CPU.SCH
355	R129	1K RSM2012 430289	CPU	22	CPU.SCH
356	R130	68R RSM2012 430284	CPU	22	CPU.SCH
357	R131	68R RSM2012 430284	CPU	22	CPU.SCH
358	R132	68R RSM2012 430284	CPU	22	CPU.SCH
359	R133	68R RSM2012 430284	CPU	22	CPU.SCH
360	R134	1K RSM2012 430289	CPU	22	CPU.SCH
361	R135	1K RSM2012 430289	CPU	22	CPU.SCH
362	R136	68R RSM2012 430284	CPU	22	CPU.SCH
363	R137	100R RSM2012 430085	CPU	22	CPU.SCH
364	R138	1K RSM2012 430289	CPU	22	CPU.SCH
365	R139	68R RSM2012 430284	CPU	22	CPU.SCH
366	R140	68R RSM2012 430284	CPU	22	CPU.SCH
367	R141	68R RSM2012 430284	CPU	22	CPU.SCH
368	R143	68R RSM2012 430284	DMEMORY	15	DMEMORY.SCH
369	R144	68R RSM2012 430284	DMEMORY	15	DMEMORY.SCH
370	R145	68R RSM2012 430284	DMEMORY	15	DMEMORY.SCH
371	R146	68R RSM2012 430284	DMEMORY	15	DMEMORY.SCH
372	R148	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
373	R149	100R RSM2012 430085	CPU	22	CPU.SCH
374	R150	100R RSM2012 430085	COMMS1	27	COMMS1.SCH
375	R151	0R RSM2012 430280	DMEMORY	15	DMEMORY.SCH
376	R153	0R RSM2012 430280	DMEMORY	15	DMEMORY.SCH
377	R156	0R RSM2012 430280	DMEMORY	15	DMEMORY.SCH
378	R157	0R RSM2012 430280	DMEMORY	15	DMEMORY.SCH
379	R159	10K RSM2012 430302	SOUND	14	SOUND.SCH
380	R161	20K RSM2012 430296	SOUND	14	SOUND.SCH
381	R162	20K RSM2012 430296	SOUND	14	SOUND.SCH
382	R163	10K RSM2012 430302	SOUND	14	SOUND.SCH
383	R164	47K RSM2012 430482	SOUND	14	SOUND.SCH
384	R165	20K RSM2012 430296	SOUND	14	SOUND.SCH
385	R166	20K RSM2012 430296	SOUND	14	SOUND.SCH
386	R167	10K RSM2012 430302	SOUND	14	SOUND.SCH

387	R168	2K2 RSM2012 430290	SOUND	14	SOUND.SCH
388	R169	2K2 RSM2012 430290	SOUND	14	SOUND.SCH
389	R170	2K2 RSM2012 430290	SOUND	14	SOUND.SCH
390	R171	68R RSM2012 430284	CPU	22	CPU.SCH
391	R172	68R RSM2012 430284	CPU	22	CPU.SCH
392	R173	1K RSM2012 430289	CPU	22	CPU.SCH
393	R174	68R RSM2012 430284	CPU	22	CPU.SCH
394	R176	68R RSM2012 430284	CPU	22	CPU.SCH
395	R177	68R RSM2012 430284	CPU	22	CPU.SCH
396	R178	1K RSM2012 430289	CPU	22	CPU.SCH
397	R179	68R RSM2012 430284	CPU	22	CPU.SCH
398	R180	68R RSM2012 430284	CPU	22	CPU.SCH
399	R181	68R RSM2012 430284	CPU	22	CPU.SCH
400	R182	68R RSM2012 430284	CPU	22	CPU.SCH
401	R183	68R RSM2012 430284	CPU	22	CPU.SCH
402	R184	68R RSM2012 430284	CPU	22	CPU.SCH
403	R185	68R RSM2012 430284	CPU	22	CPU.SCH
404	R186	68R RSM2012 430284	CPU	22	CPU.SCH
405	R187	68R RSM2012 430284	CPU	22	CPU.SCH
406	R188	68R RSM2012 430284	CPU	22	CPU.SCH
407	R189	68R RSM2012 430284	CPU	22	CPU.SCH
408	R190	68R RSM2012 430284	CPU	22	CPU.SCH
409	R191	68R RSM2012 430284	CPU	22	CPU.SCH
410	R192	68R RSM2012 430284	CPU	22	CPU.SCH
411	R193	68R RSM2012 430284	CPU	22	CPU.SCH
412	R194	68R RSM2012 430284	CPU	22	CPU.SCH
413	R195	68R RSM2012 430284	CPU	22	CPU.SCH
414	R196	68R RSM2012 430284	CPU	22	CPU.SCH
415	R197	68R RSM2012 430284	CPU	22	CPU.SCH
416	R198	68R RSM2012 430284	CPU	22	CPU.SCH
417	R199	68R RSM2012 430284	CPU	22	CPU.SCH
418	R200	68R RSM2012 430284	CPU	22	CPU.SCH
419	R201	68R RSM2012 430284	CPU	22	CPU.SCH
420	R202	68R RSM2012 430284	CPU	22	CPU.SCH
421	R203	68R RSM2012 430284	CPU	22	CPU.SCH
422	R204	68R RSM2012 430284	CPU	22	CPU.SCH
423	R205	68R RSM2012 430284	CPU	22	CPU.SCH
424	R206	68R RSM2012 430284	CPU	22	CPU.SCH
425	R207	68R RSM2012 430284	CPU	22	CPU.SCH
426	R208	68R RSM2012 430284	CPU	22	CPU.SCH
427	R209	68R RSM2012 430284	CPU	22	CPU.SCH
428	R210	68R RSM2012 430284	CPU	22	CPU.SCH
429	R211	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
430	R212	0R LINK0805 430280	EPROM	18	EPROM.SCH
431	R213	1K RSM2012 430289	COMMS2	28	COMMS2.SCH
432	R215	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
433	R216	1K RSM2012 430289	SPI_IO	37	SPI_IO.SCH
434	R217	10K RSM2012 430302	EEPROM	30	EEPROM.SCH
435	R220	1K RSM2012 430289	BATTERY	10	BATTERY.SCH
436	R224	1K RSM2012 430289	COIN	25	COIN.SCH
437	R225	1K RSM2012 430289	COIN	25	COIN.SCH
438	R226	1K RSM2012 430289	COIN	25	COIN.SCH
439	R227	1K RSM2012 430289	COIN	25	COIN.SCH
440	R228	1K RSM2012 430289	COIN	25	COIN.SCH
441	R229	10K RSM2012 430302	RESET1	9	RESET1.SCH
442	R230	10K RSM2012 430302	RESET1	9	RESET1.SCH
443	R231	68R RSM2012 430284	EPROM	18	EPROM.SCH
444	R232	68R RSM2012 430284	EPROM	18	EPROM.SCH
445	R233	470R RSM2012 430088	COIN	25	COIN.SCH
446	R234	470R RSM2012 430088	COIN	25	COIN.SCH
447	R236	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
448	R238	1K RSM2012 430289	CLOCK	20	CLOCK.SCH
449	R240	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
450	R246	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
451	R247	470R RSM2012 430088	COIN	25	COIN.SCH
452	R248	33R RSM2012 430282	CPU	22	CPU.SCH

453	R260	470R RSM2012 430088	COIN	25	COIN.SCH
454	R262	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
455	R267	1K RSM2012 430289	IO_OUT	17	IO_OUT.SCH
456	R268	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
457	R269	470R RSM2012 430088	SPI_IO	37	SPI_IO.SCH
458	R274	470R RSM2012 430088	COIN	25	COIN.SCH
459	R276	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
460	R282	180K RSM2012 430490	SOUND	14	SOUND.SCH
461	R283	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
462	R288	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
463	R289	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
464	R290	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
465	R291	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
466	R294	4K7 RSM2012 430434	COMMS1	27	COMMS1.SCH
467	R295	100R RSM2012 430085	REG_OUT	35	REG_OUT.SCH
468	R296	4K7 RSM2012 430434	COMMS2	28	COMMS2.SCH
469	R297	470R RSM2012 430088	COIN	25	COIN.SCH
470	R298	470R RSM2012 430088	COIN	25	COIN.SCH
471	R299	470R RSM2012 430088	COIN	25	COIN.SCH
472	R300	470R RSM2012 430088	COIN	25	COIN.SCH
473	R301	100K RSM2012 430301	SOUND	14	SOUND.SCH
474	R302	100K RSM2012 430301	SOUND	14	SOUND.SCH
475	R303	16K RSM2012 430295	SOUND	14	SOUND.SCH
476	R304	1K RSM2012 430289	EEPROM	30	EEPROM.SCH
477	R305	10K RSM2012 430302	EEPROM	30	EEPROM.SCH
478	R306	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
479	R307	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
480	R308	470R RSM2012 430088	COIN	25	COIN.SCH
481	R309	4K7 RSM2012 430434	COMMS2	28	COMMS2.SCH
482	R311	1K RSM2012 430289	MISC	12	MISC.SCH
483	R312	1K RSM2012 430289	DMEMORY	15	DMEMORY.SCH
484	R315	33R RSM2012 430282	CPU	22	CPU.SCH
485	R316	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
486	R317	1K RSM2012 430289	COIN	25	COIN.SCH
487	R319	1K RSM2012 430481	SOUND	14	SOUND.SCH
488	R320	1K RSM2012 430481	SOUND	14	SOUND.SCH
489	R321	150K RSM2012 430485	SOUND	14	SOUND.SCH
490	R322	33R RSM2012 430282	DMEMORY	15	DMEMORY.SCH
491	R323	33R RSM2012 430282	DMEMORY	15	DMEMORY.SCH
492	R324	1K RSM2012 430289	CPU	22	CPU.SCH
493	R325	33R RSM2012 430282	CPU	22	CPU.SCH
494	R326	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
495	R327	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
496	R328	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
497	R329	1K RSM2012 430289	DMEMORY	15	DMEMORY.SCH
498	R332	270R RSM2012 430287	COMMS2	28	COMMS2.SCH
499	R333	1K RSM2012 430289	COMMS2	28	COMMS2.SCH
500	R334	2K2 RSM2012 430290	COMMS2	28	COMMS2.SCH
501	R335	2K2 RSM2012 430290	COMMS2	28	COMMS2.SCH
502	R336	2K2 RSM2012 430290	COMMS2	28	COMMS2.SCH
503	R337	2K2 RSM2012 430290	COMMS2	28	COMMS2.SCH
504	R338	180R RSM2012 430287	COMMS2	28	COMMS2.SCH
505	R339	1K RSM2012 430289	CPU	22	CPU.SCH
506	R340	4K7 RSM2012 430434	COMMS2	28	COMMS2.SCH
507	R341	10K RSM2012 430434	COMMS2	28	COMMS2.SCH
508	R342	10K RSM2012 430434	COMMS2	28	COMMS2.SCH
509	R343	10K RSM2012 430434	COMMS2	28	COMMS2.SCH
510	R344	470R RSM2012 430289	COMMS2	28	COMMS2.SCH
511	R345	470R RSM2012 430289	COMMS1	27	COMMS1.SCH
512	R346	10K RSM2012 430434	COMMS1	27	COMMS1.SCH
513	R347	10K RSM2012 430434	COMMS1	27	COMMS1.SCH
514	R349	180R RSM2012 430287	COMMS1	27	COMMS1.SCH
515	R350	2K2 RSM2012 430290	COMMS1	27	COMMS1.SCH
516	R352	2K2 RSM2012 430290	COMMS1	27	COMMS1.SCH
517	R354	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
518	R355	150K RSM2012 430485	COMMS2	28	COMMS2.SCH
519	R356	10K RSM2012 430302	COMMS2	28	COMMS2.SCH

520	R359	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
521	R360	150K RSM2012 430485	RESET1	9	RESET1.SCH
522	R361	1K RSM2012 430289	IO_IN	19	IO_IN.SCH
523	R362	0R RSM2012 430280	BATTERY	10	BATTERY.SCH
524	R363	0R RSM2012 430280	BATTERY	10	BATTERY.SCH
525	R364	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
526	R365	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
527	R366	1K RSM2012 430289	COIN	25	COIN.SCH
528	R367	1K RSM2012 430289	COIN	25	COIN.SCH
529	R368	1K RSM2012 430289	COIN	25	COIN.SCH
530	R369	1K RSM2012 430289	COIN	25	COIN.SCH
531	R370	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
532	R371	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
533	R372	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
534	R373	68R RSM2012 430284	EPROM	18	EPROM.SCH
535	R374	33R RSM2012 430282	CPU	22	CPU.SCH
536	R375	33R RSM2012 430282	CPU	22	CPU.SCH
537	R376	33R RSM2012 430282	CPU	22	CPU.SCH
538	R377	33R RSM2012 430282	CPU	22	CPU.SCH
539	R378	33R RSM2012 430282	CPU	22	CPU.SCH
540	R379	33R RSM2012 430282	CPU	22	CPU.SCH
541	R380	33R RSM2012 430282	CPU	22	CPU.SCH
542	R381	33R RSM2012 430282	CPU	22	CPU.SCH
543	R382	1K RSM2012 430289	CPU	22	CPU.SCH
544	R383	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
545	R384	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
546	R385	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
547	R386	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
548	R387	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
549	R388	68R RSM2012 430284	EPROM	18	EPROM.SCH
550	R389	1K RSM2012 430289	LABUFFER	16	LABUFFER.SCH
551	R390	33R RSM2012 430282	CPU	22	CPU.SCH
552	R391	33R RSM2012 430282	CPU	22	CPU.SCH
553	R393	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
554	R394	2K2 RSM2012 430290	COMMS1	27	COMMS1.SCH
555	R401	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
556	R402	1K RSM2012 430289	DMEMORY	15	DMEMORY.SCH
557	R405	10K RSM2012 430302	CPU	22	CPU.SCH
558	R413	1K RSM2012 430289	MISC	12	MISC.SCH
559	R414	68R RSM2012 430284	EPROM	18	EPROM.SCH
560	R416	68R RSM2012 430284	EPROM	18	EPROM.SCH
561	R418	68R RSM2012 430284	EPROM	18	EPROM.SCH
562	R424	68R RSM2012 430284	EPROM	18	EPROM.SCH
563	R428	1K RSM2012 430289	REG_IN	31	REG_IN.SCH
564	R430	2K2 RSM2012 430290	REG_IN	31	REG_IN.SCH
565	R431	4K7 RSM2012 430290	REG_IN	31	REG_IN.SCH
566	R432	1K RSM2012 430289	RESET1	9	RESET1.SCH
567	R434	1K RSM2012 430289	RESET1	9	RESET1.SCH
568	R437	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
569	R438	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
570	R439	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
571	R440	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
572	R441	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
573	R442	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
574	R443	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
575	R444	68R RSM2012 430284	IO_OUT	17	IO_OUT.SCH
576	R450	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
577	R452	1K RSM2012 430289	EPROM	18	EPROM.SCH
578	R453	1K RSM2012 430289	COMMS1	27	COMMS1.SCH
579	R454	1K RSM2012 430289	COMMS2	28	COMMS2.SCH
580	R455	1K RSM2012 430289	COMMS2	28	COMMS2.SCH
581	R457	68R RSM2012 430284	REG_OUT	35	REG_OUT.SCH
582	R459	68R RSM2012 430284	REG_OUT	35	REG_OUT.SCH
583	R460	68R RSM2012 430284	REG_OUT	35	REG_OUT.SCH
584	R461	68R RSM2012 430284	REG_OUT	35	REG_OUT.SCH
585	R462	68R RSM2012 430284	REG_OUT	35	REG_OUT.SCH
586	R464	1K RSM2012 430289	CPU	22	CPU.SCH

587	R465	1K RSM2012 430289	EPROM	18	EPROM.SCH
588	R466	0R LINK0805 430280	EPROM	18	EPROM.SCH
589	R469	0R LINK0805 430280	EPROM	18	EPROM.SCH
590	R471	2K2 RSM2012 430290	CPU	22	CPU.SCH
591	T1	TRANS. POWER TF8PIN 430372	POWER	7	POWER.SCH
592	U1	SRAM MF28-32 430251	SRAM	33	SRAM.SCH
593	U2	SRAM MF28-32 430251	SRAM	33	SRAM.SCH
594	U3	SRAM MF28-32 430251	SRAM	33	SRAM.SCH
595	U4	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
596	U6	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
597	U7	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
598	U8	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
599	U9	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
600	U10	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
601	U11	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
602	U12	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
603	U13	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
604	U14	AM27C4096 DIL_6_40 EPROM	EPROM	18	EPROM.SCH
605	U15A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
606	U15B	74HC00S 7400S 430234	MISC	12	MISC.SCH
607	U15C	74HC00S 7400S 430234	MSS	42	MSS.SCH
608	U15D	74HC00S 7400S 430234	MSS	42	MSS.SCH
609	U16A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
610	U16B	74HC00S 7400S 430234	MISC	12	MISC.SCH
611	U16C	74HC00S 7400S 430234	MISC	12	MISC.SCH
612	U16D	74HC00S 7400S 430234	MISC	12	MISC.SCH
613	U17A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
614	U17B	74HC00S 7400S 430234	MISC	12	MISC.SCH
615	U17C	74HC00S 7400S 430234	MISC	12	MISC.SCH
616	U17D	74HC00S 7400S 430234	MISC	12	MISC.SCH
617	U21A	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
618	U21B	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
619	U22	ROMDEC PLCC-28S 562840	EPROM	18	EPROM.SCH
620	U24	BTEST PLCC-20S 562836	RESET1	9	RESET1.SCH
621	U25	90CS46 SO8N 430564	EEPROM	30	EEPROM.SCH
622	U27	90CS46 DIL_3_08 430553	EEPROM	30	EEPROM.SCH
623	U28	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
624	U29A	LM324 SO14 430260	SOUND	14	SOUND.SCH
625	U29B	LM324 SO14 430260	SOUND	14	SOUND.SCH
626	U29C	LM324 SO14 430260	SOUND	14	SOUND.SCH
627	U29D	LM324 SO14 430260	SOUND	14	SOUND.SCH
628	U30	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
629	U31	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
630	U32	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
631	U34	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
632	U35	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
633	U36	DEMUL PLCC-28S 562837	DMEMORY	15	DMEMORY.SCH
634	U39A	74HC14 7414S 430236	SPI_REG	44	SPI_REG.SCH
635	U39B	74HC14 7414S 430236	RESET1	9	RESET1.SCH
636	U39C	74HC14 7414S 430236	MISC	12	MISC.SCH
637	U39D	74HC14 7414S 430236	RESET1	9	RESET1.SCH
638	U39E	74HC14 7414S 430236	RESET1	9	RESET1.SCH
639	U39F	74HC14 7414S 430236	SPI_IO	37	SPI_IO.SCH
640	U40	DS1202S SO16W 430262	RTC	32	RTC.SCH
641	U41	MAX705 SO8N 430259	RESET1	9	RESET1.SCH
642	U45	L4975A KV015V 430258	POWER	7	POWER.SCH
643	U46A	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
644	U46B	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
645	U47	MAX202 SO16W 430500	COMMS1	27	COMMS1.SCH
646	U48	DRAM40 DRAM40_S 430250	DMEMORY	15	DMEMORY.SCH
647	U49	DRAM40 DRAM40_S 430250	DMEMORY	15	DMEMORY.SCH
648	U50	DS1620 SOP08 430451	RTC	32	RTC.SCH
649	U51	74HC4066 4066S 430248	SOUND	14	SOUND.SCH
650	U52	UDN2543 DIL_3_16 430156	COIN	25	COIN.SCH
651	U53A	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
652	U53B	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
653	U55	74HC245 74245S 430243	IO_OUT	17	IO_OUT.SCH

654	U56A	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
655	U56B	HC244S 74244S 430242	REG_IN	31	REG_IN.SCH
656	U60	74HC4020 4020S 430247	CLOCK	20	CLOCK.SCH
657	U65	GLUE2 PLCC-28S 562838	REG_OUT	35	REG_OUT.SCH
658	U66	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
659	U67	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
660	U68	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
661	U71	16C452 PLCC-68S 430233	COMMS1	27	COMMS1.SCH
662	U72	16C452 PLCC-68S 430233	COMMS2	28	COMMS2.SCH
663	U73	OSC OSC_04 430389	CPU	22	CPU.SCH
664	U74	6N136 DIL_3_08 430264	COMMS2	28	COMMS2.SCH
665	U75	6N136 DIL_3_08 430264	COMMS2	28	COMMS2.SCH
666	U80	78L12 78L12 430279	POWER	7	POWER.SCH
667	U81	79L12 79L12 430263	POWER	7	POWER.SCH
668	U82	TDA2006 TDA2006 430257	SOUND	14	SOUND.SCH
669	U85	ARM250 QUAD160S 430256	CPU	22	CPU.SCH
670	U131	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
671	U132	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
672	U133	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
673	U134	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
674	U135	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
675	U136	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
676	U137	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
677	U138	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
678	U139	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
679	U140	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
680	U142	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
681	U143	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
682	U144	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
683	U145	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
684	U146	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
685	U147	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
686	U149	DRAM42 DRAM42_S 430250	DMEMORY	15	DMEMORY.SCH
687	U152	DRAM42 DRAM42_S 430250	DMEMORY	15	DMEMORY.SCH
688	X1	32768Hz CRHTUB01 430390	RTC	32	RTC.SCH
689	X2	25MHz YHC18V 430398	CPU	22	CPU.SCH
690	Y1	STAPLE STAPLE01	MISC	12	MISC.SCH
691	Y2	STAPLE STAPLE01	MISC	12	MISC.SCH
692	Y3	STAPLE STAPLE01	MISC	12	MISC.SCH
693	Y4	STAPLE STAPLE01	MISC	12	MISC.SCH
694	Y5	STAPLE STAPLE01	MISC	12	MISC.SCH

Wiring Diagram

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OPTIONAL

NOTE:
1–OPTION DEPENDANT, SEE BOM 571842

TWO TIER LIGHT TOWER 564590

VOLUME CONTROL

572377

TOP BOX

TOP BOX REFLECTOR
15W FLUORO

BALLAST

SPC

PRINTER

SPEAKERS MOUNTED OVER MONITOR

572284

572284

AMPLIFIER 410539

572314

SEE NOTE 1

MECHANICAL METERS 572391

568859

CABINET

CABINET DOOR

EARTH LEAD 563477

EARTH LEAD 563477

EARTH LEAD 563477

572287

572393

BACKPLANE 410351

LOGIC DOOR

568444

SEE NOTE 1

MONITOR

SEE NOTE 1

P1 DEBUG

P2 LIGHT TOWER, METERS

565245

P3

CCB 410291

MKV MAIN BOARD 410461

EXTENDED US I/O DRIVER BOARD 410355

LOGIC DOOR SECURITY

KEY SW. ASS'Y.

565176

568866

J/P BELL

P4 MONITOR

P6 LOW RES VIDEO

P7 HOPPER PRINTER

P8 COM 6, COM 7

P9 SWITCHES

P11 PUSHBUTTONS

P12 EXPANSION I/O

P13 KEYSWITCH BACC

P14 DOOR DISTRIBUTION

P15 SPARE POWER

P16 CAN

P17 POWER

571771

P18 IGT/BALLY

P19 B DACOM

P23 MIKOHN COM2/COM4

572280

POWER SUPPLY 430947-1 110V

560264

565174

572313

REFLECTOR PANEL

6W FLUORO 03437

BALLAST 430959

565534

565150

6W FLUORO 03437

BALLAST 430959

565750

SW1

SW10

SW11

SW14

PUSH BUTTON ASSY

572288

572289

565760
SERIAL BACC OPTION

J6

MARS ONLY

BILL ACCEPTOR

BACC SWITCH

5 6
SEE NOTE 1

565175

SOLENOID

SOLENOID OPTICS 430785

565269

COIN VALIDATOR

568407

572285

WOOFER

572312

572157

HOPPER

565097

PRINTER

FERRITE 431055

MAIN DOOR SWITCH 430795

MAINS SWITCH 565568

BELLY PANEL DOOR SWITCH 430795

563477

EARTH LEAD TO BELLY PANEL DOOR

SECOND DOOR SWITCH 430795

SWITCH 430795

CASH BOX

565101

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

WD-571842 SHEET 1 OF 1

WD-571842 SHEET 1 OF 1

COPY DISTRIBUTION LIST

	QA	PROD	LIBRARIAN	ATS
QTY	0	0	2	1
TEST				

ISS.	DETAILS	PROJ #	ECO #	DRN	CHK	APP	DATE
A	INTRODUCTION	000380	11297.1	JS	TC	TP	04.04.01

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED A1

ARISTOCRAT
A.B.N 2200 186 0715
HEAD OFFICE:– 71 LONSDALE RD, LANE COVE NSW 2066 AUSTRALIA
WORKS:– 85–113 DUNNING AVE, ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:– PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:– 61 2 9697 6000 FACSIMILE:– 61 2 9663 1340

DRAWING ISSUE A

SCALE: NA | TOLERANCES: NA

DIMENSIONS IN MILLIMETERS | DRAWING GENERATED USING AUTOCAD-R12

PRODUCT: MVP – USA 500

PART

DWG.: MACHINE WIRING DIAGRAM

PART NUMBER			ISS	REV
08	02	571842	A	NA

Circuit Diagrams

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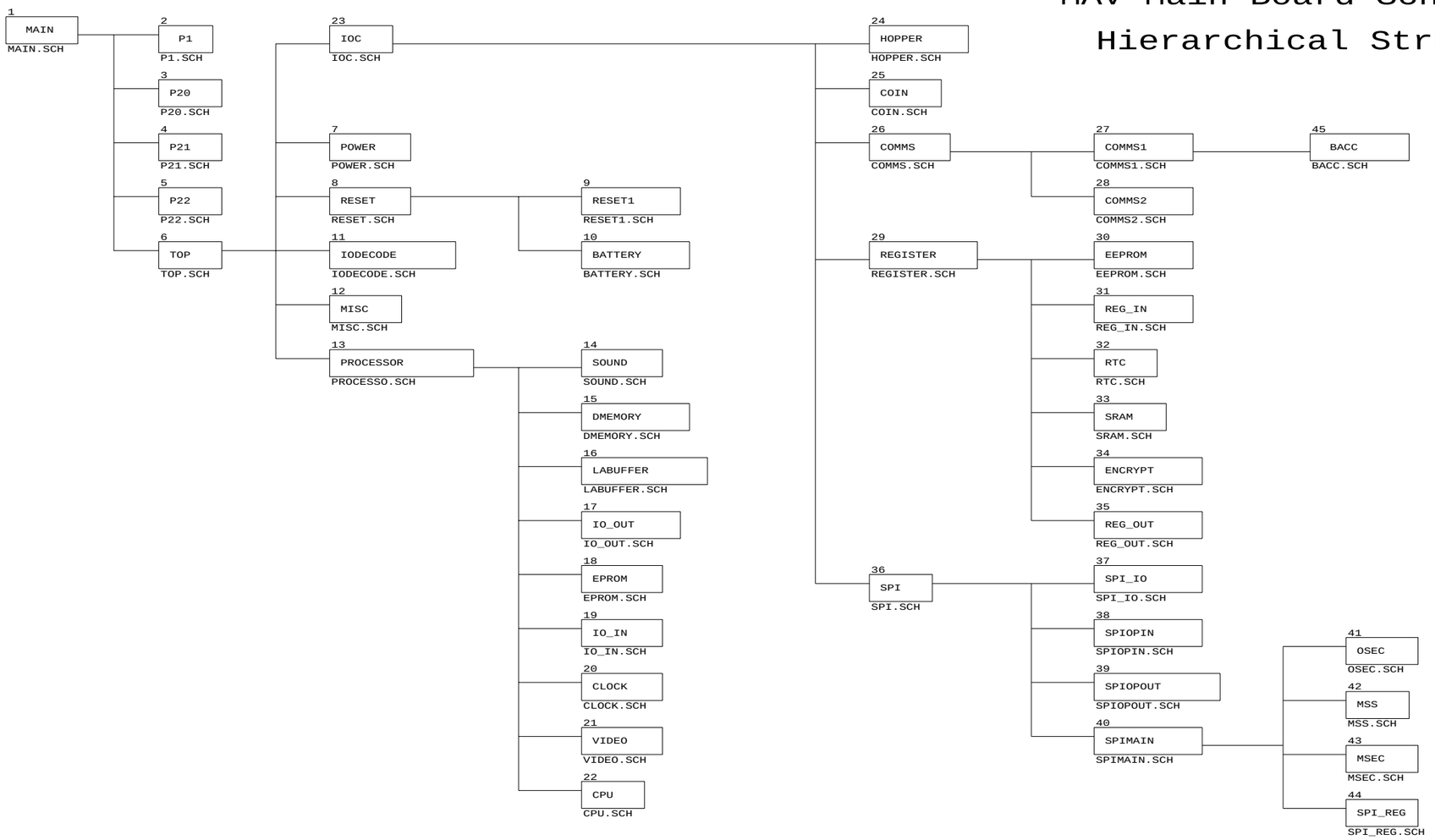
MAV Main Board Schematics
Hierarchical Structure



A	INTRODUCTION	P4527835.7	CC			22/11/99	
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

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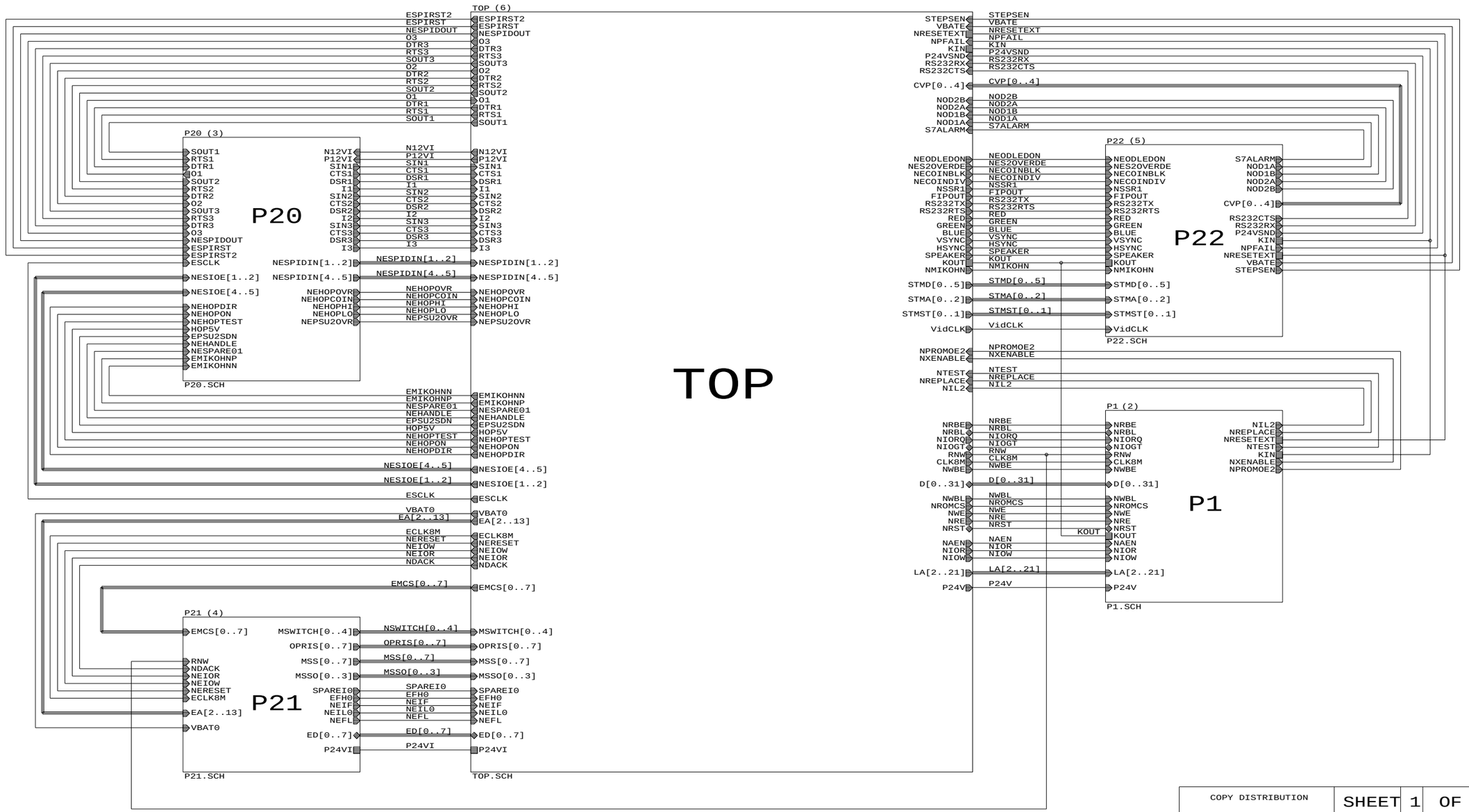
DRAWING REFERENCE					
CD-410461					
JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	MAIN	25 01 410461	A	N/A	

TOP



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DRAWING REFERENCE: CD-410461

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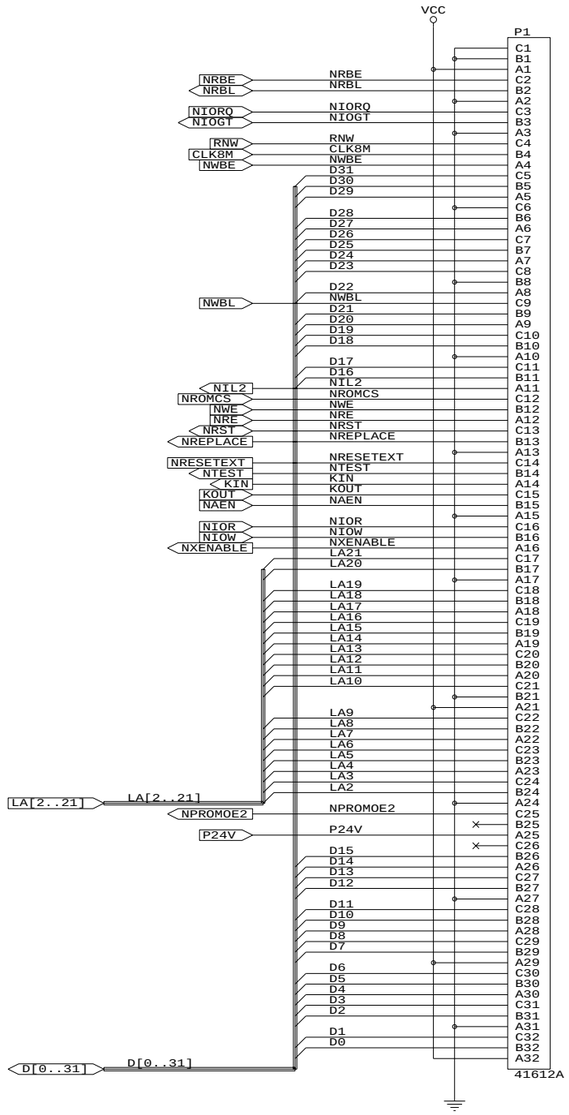
PART	MAIN	25 01 410461 A	N/A



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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE	

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DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	P1	25 01 410461 A	N/A

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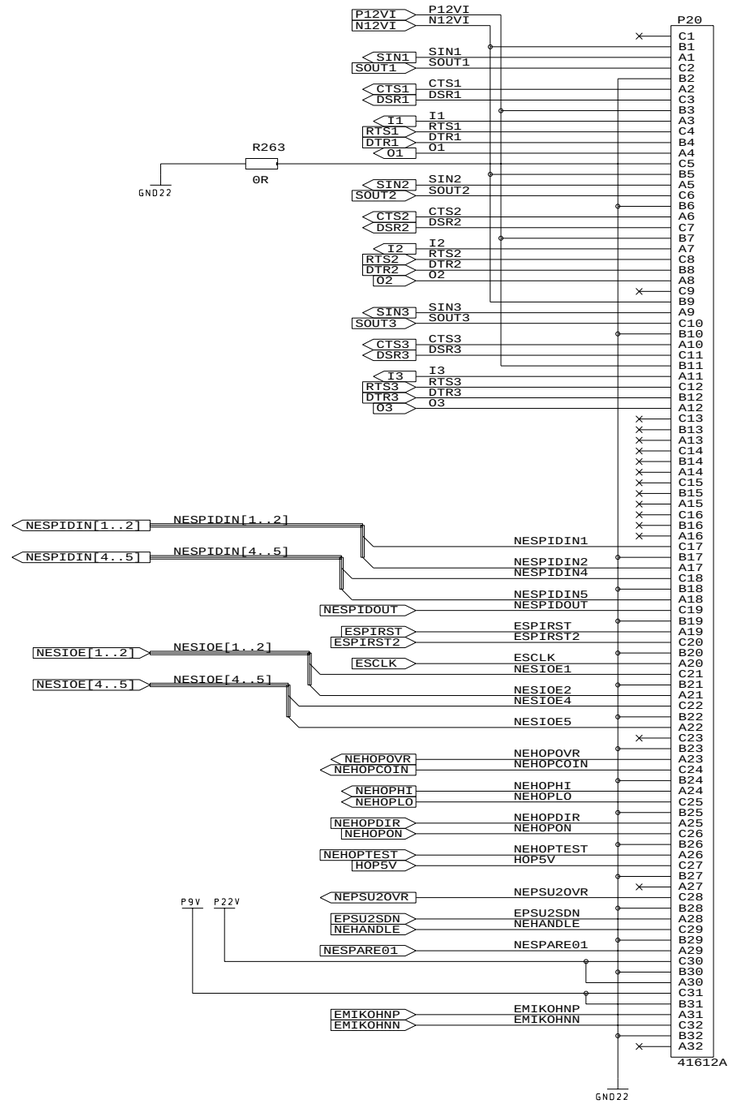
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"



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DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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DRAWING REFERENCE
CD-410461

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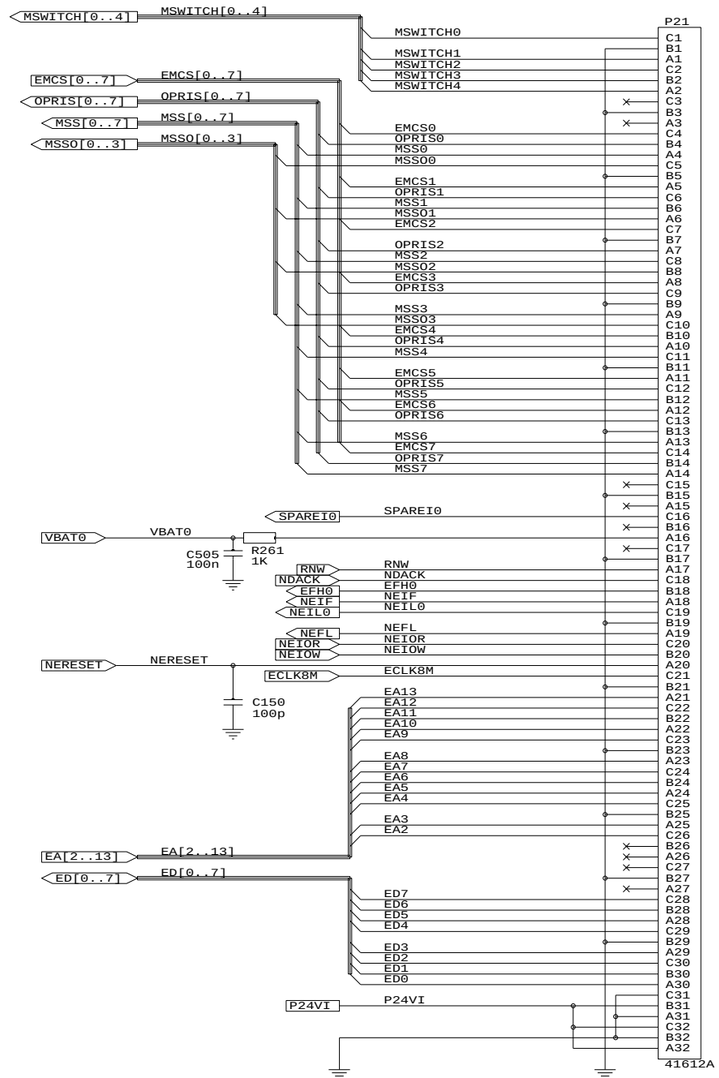
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	P20	25 01 410461	A N/A



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A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

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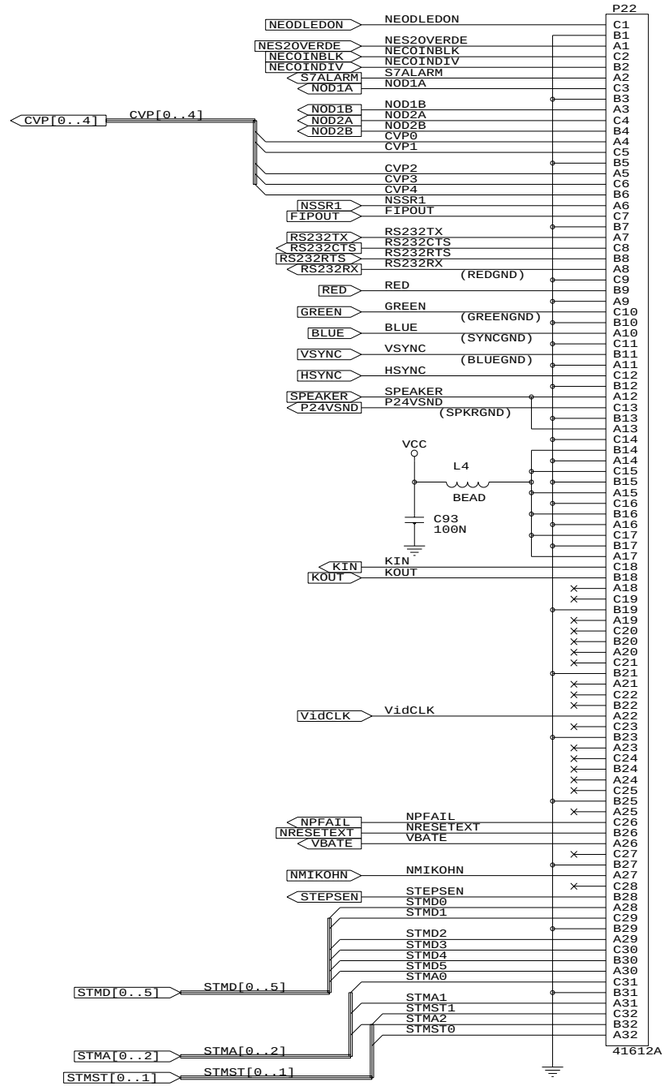
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	P21	25 01 410461	A	N/A	



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A	introduction	45274	7535.7	CC			19/11/99

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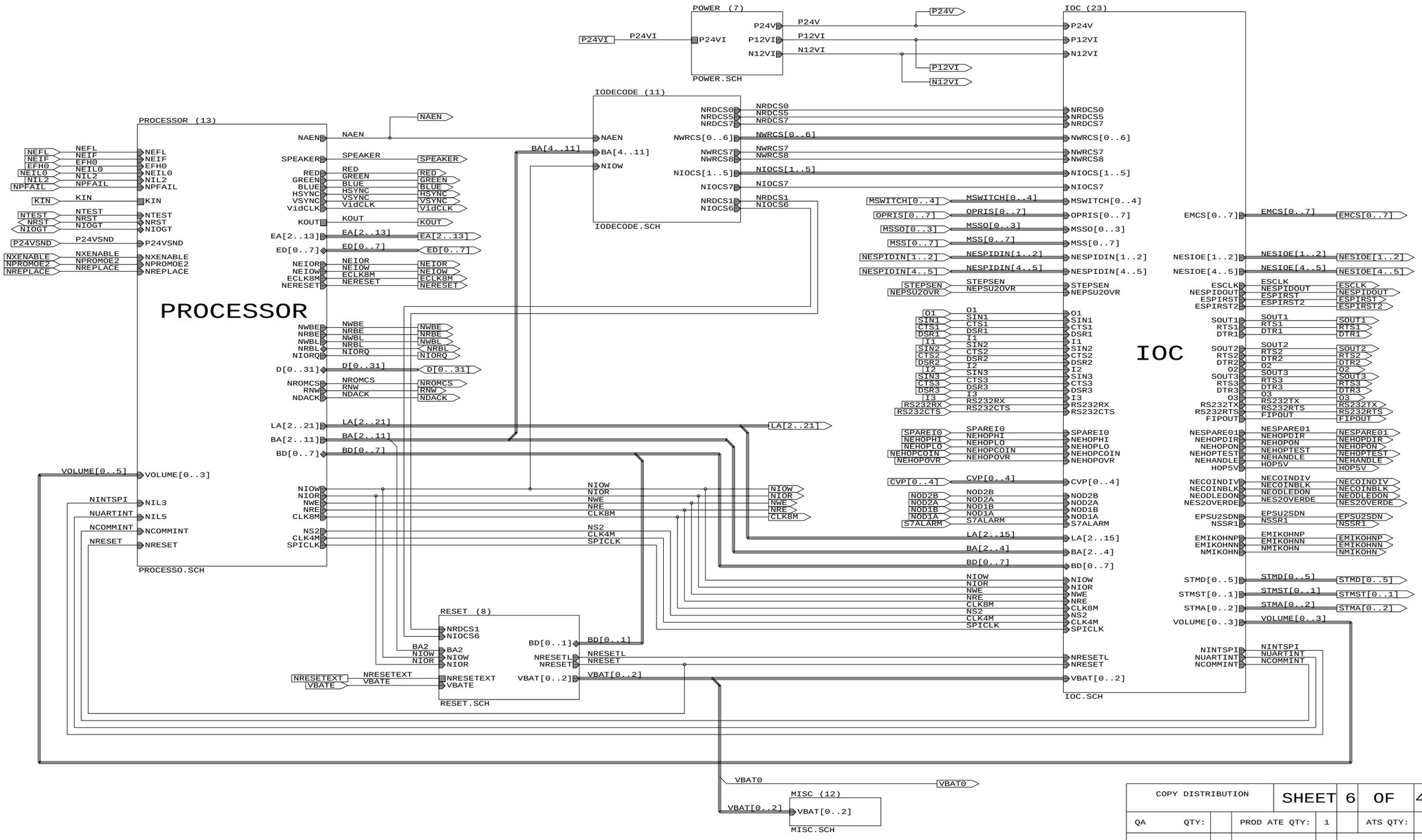
DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	P22	25 01 410461	A	N/A	



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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

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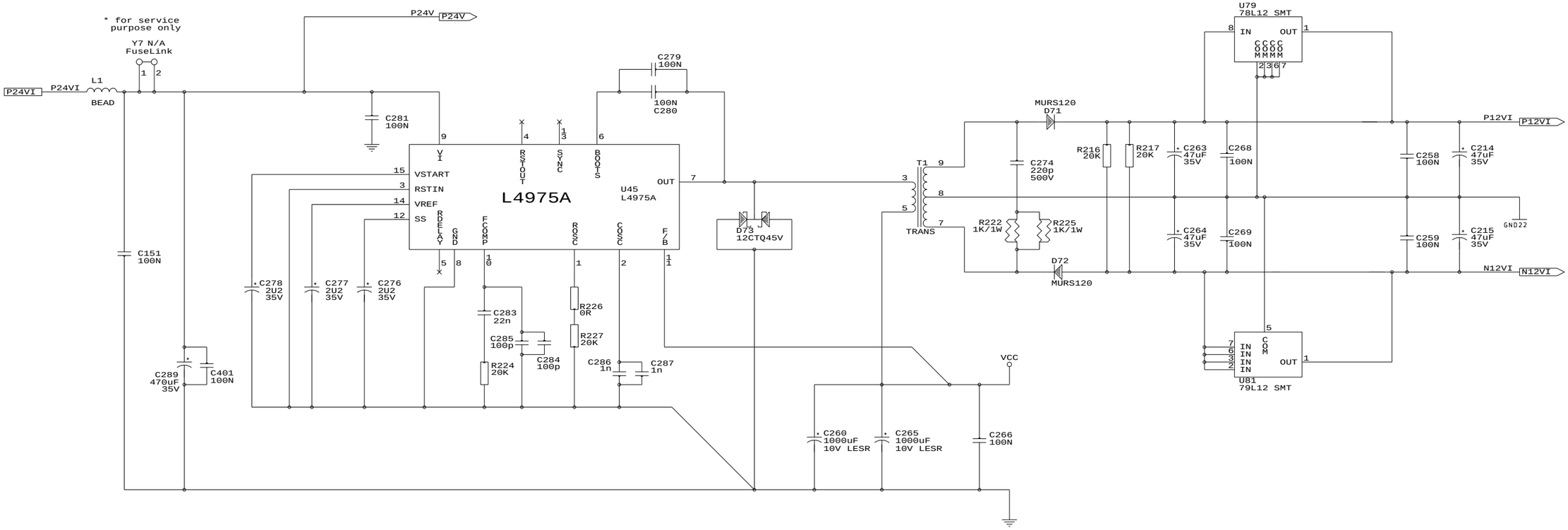
ASSY	MAIN BOARD PCBA - USA	PART NUMBER / ISS / REV	
PART	TOP	25 01 410461	A / N/A



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TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

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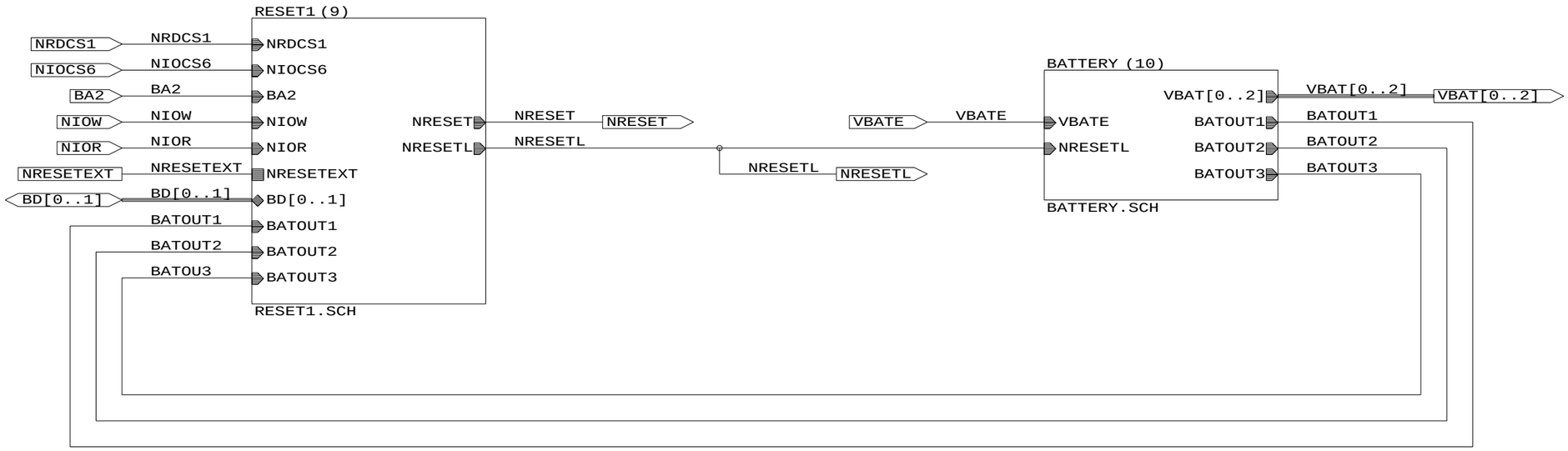
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	POWER	25 01 410461	A	N/A	



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DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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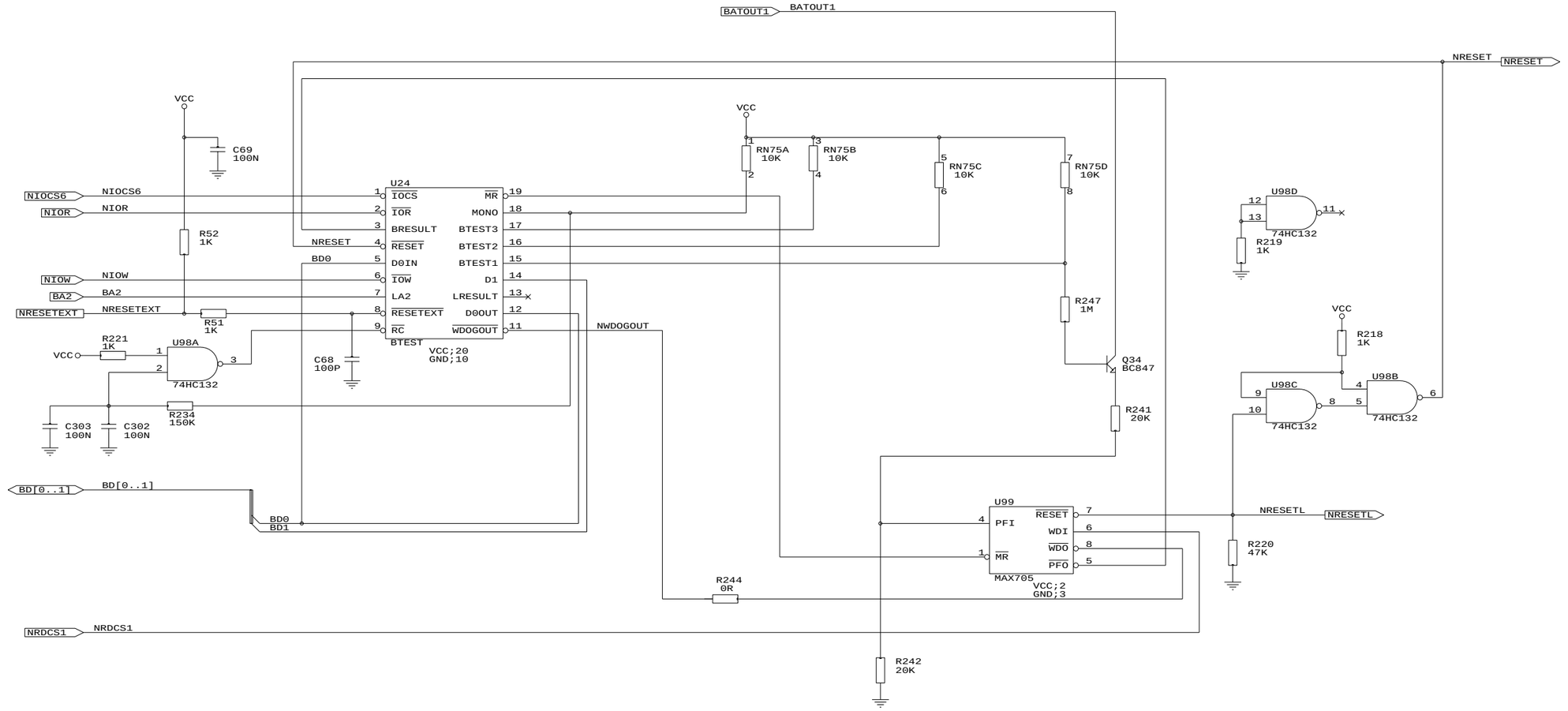
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	RESET	25 01 410461	A N/A



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DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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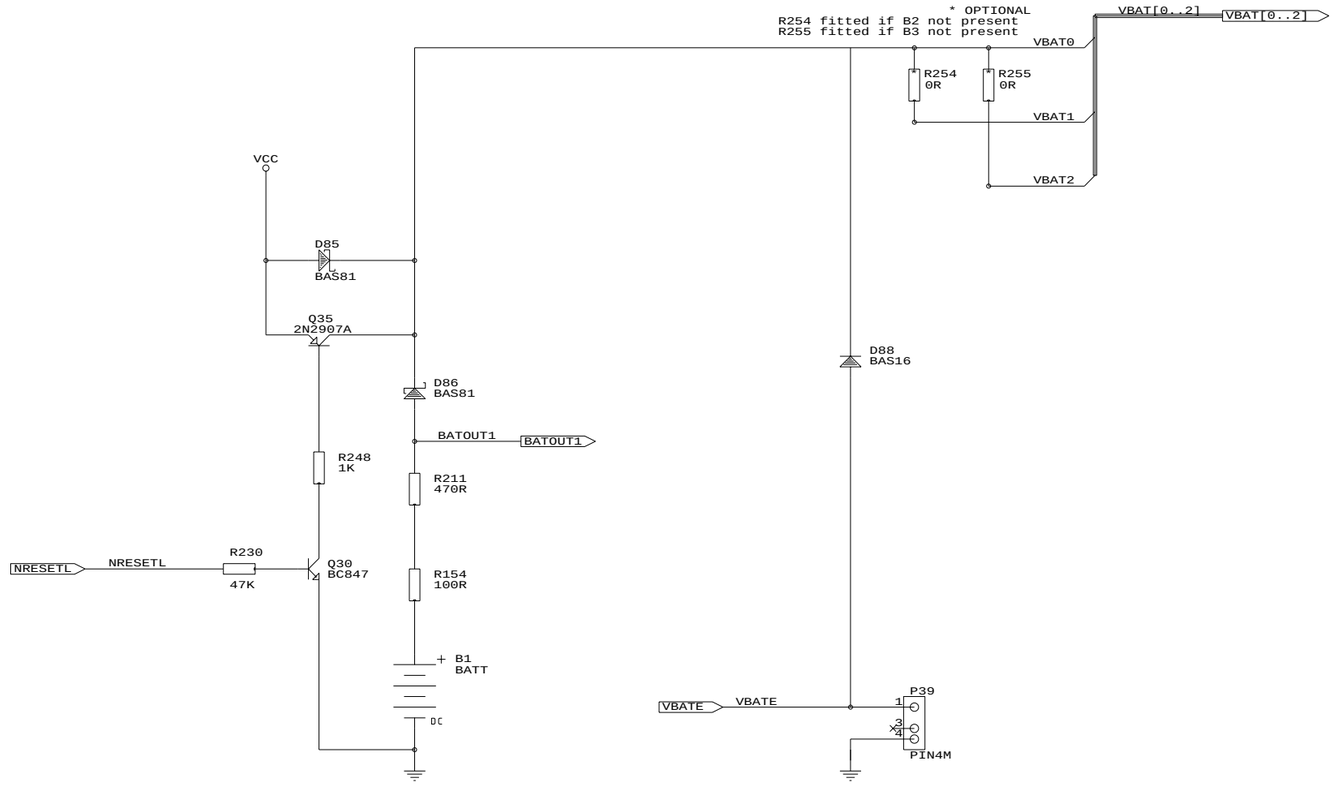
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	RESET1	25 01 410461	A N/A



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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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DRAWING REFERENCE
CD-410461

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ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
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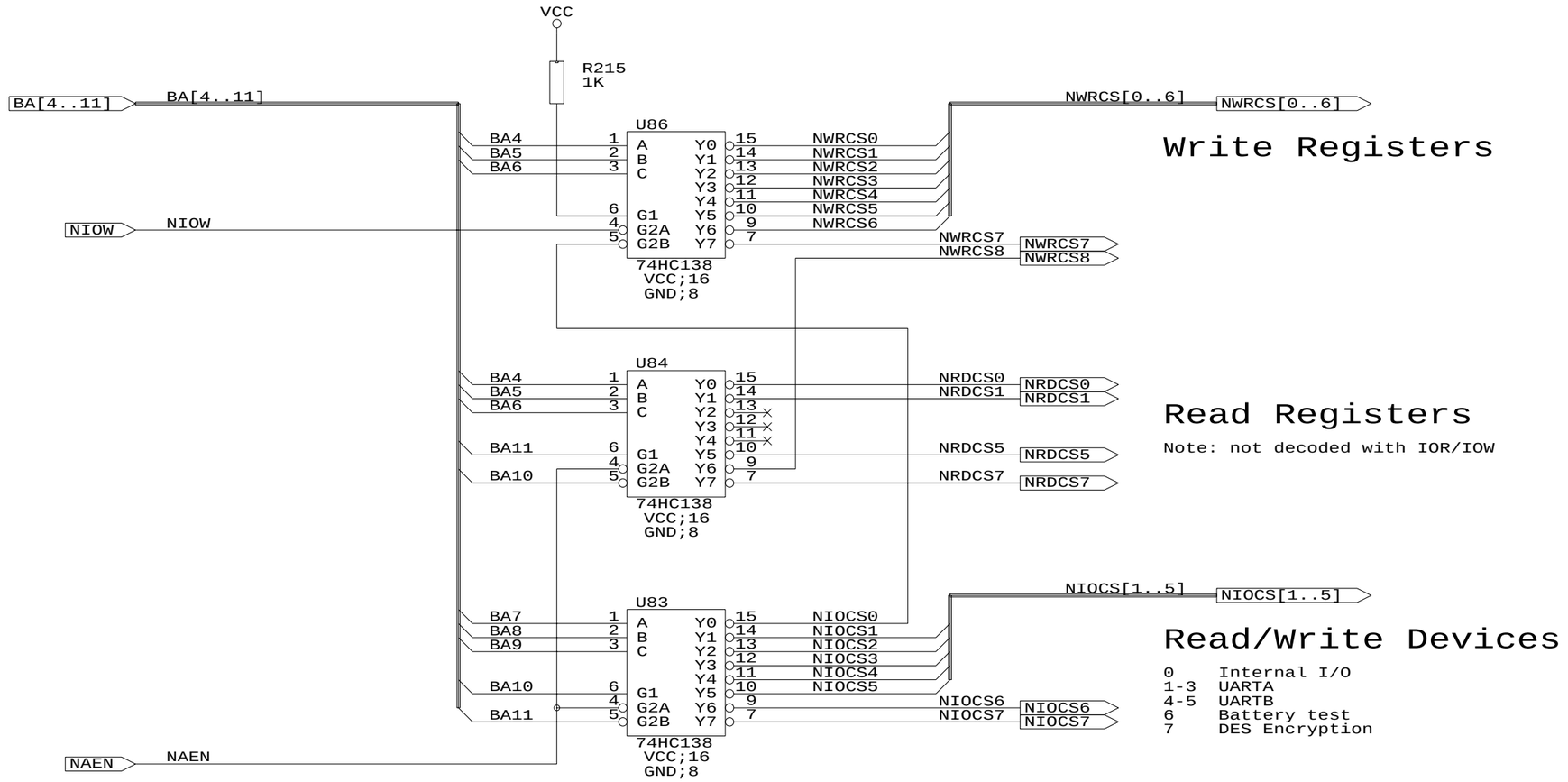

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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

COPY DISTRIBUTION		SHEET	11	OF	45
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TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3

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DRAWING REFERENCE

CD-410461

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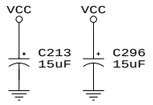
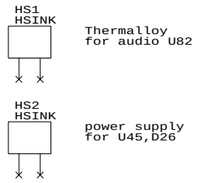
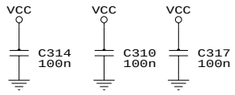
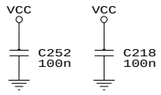


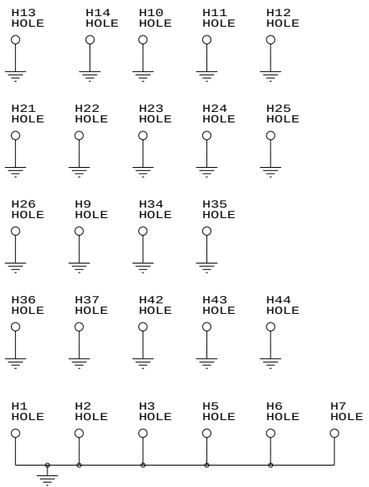


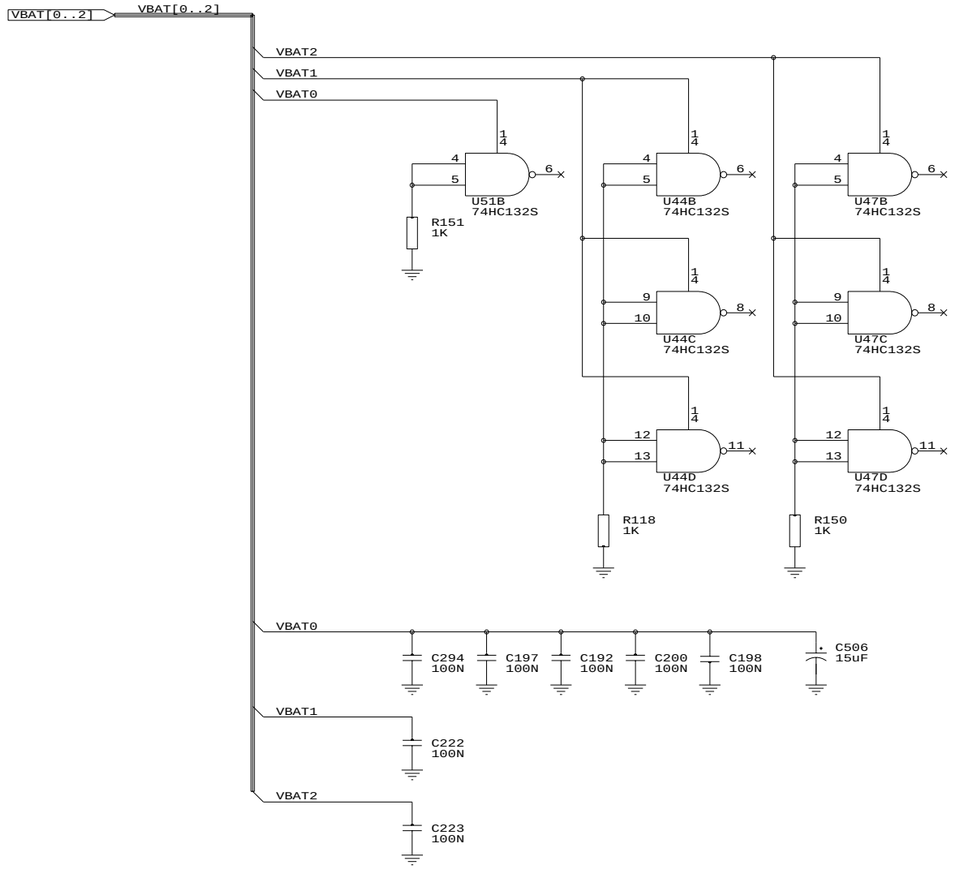
sprinkle placement





Grounded holes in board for high speed measurements
and even distribution of GND for test purposes





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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION	SHEET 12 OF 45
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DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
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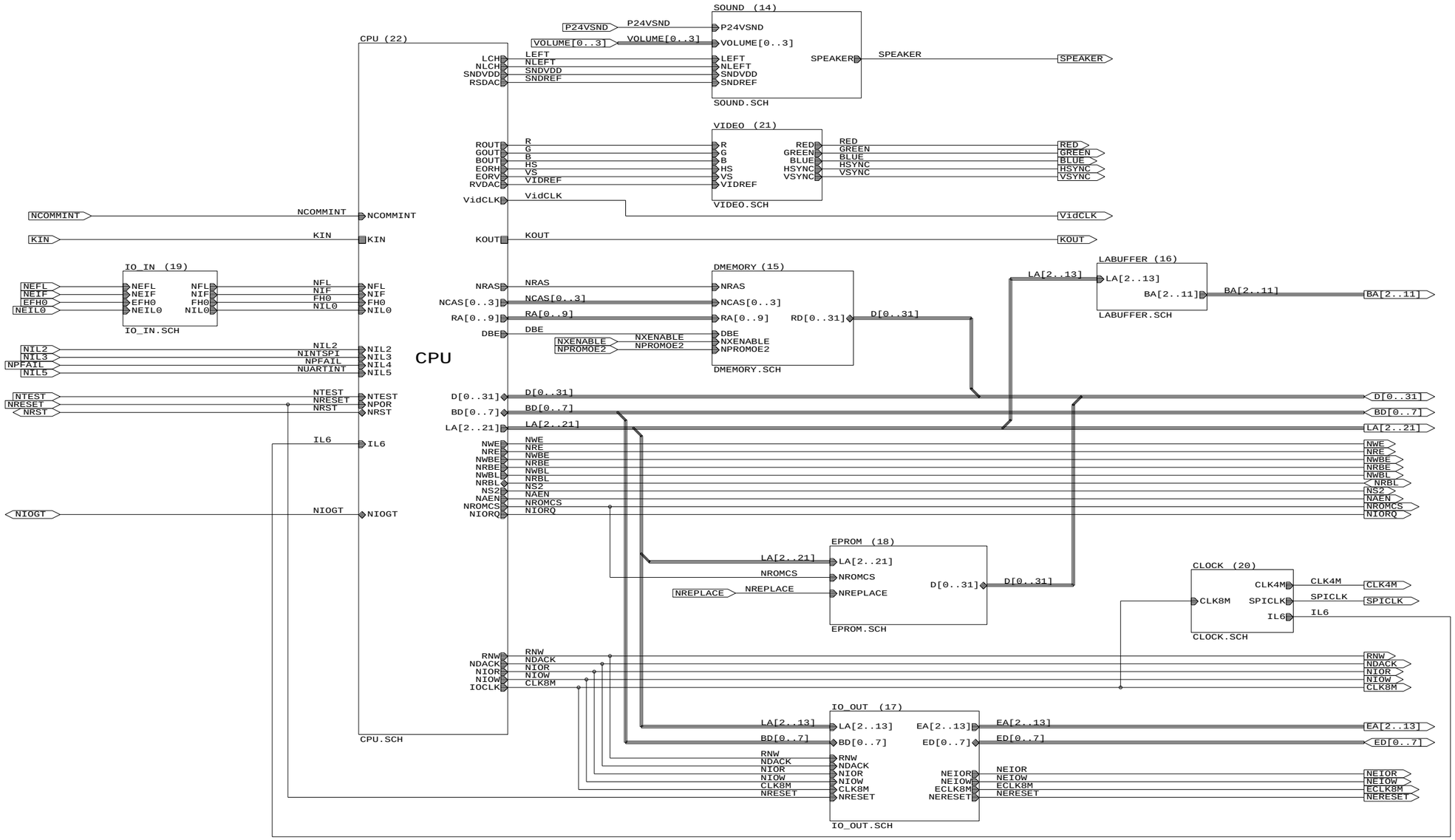

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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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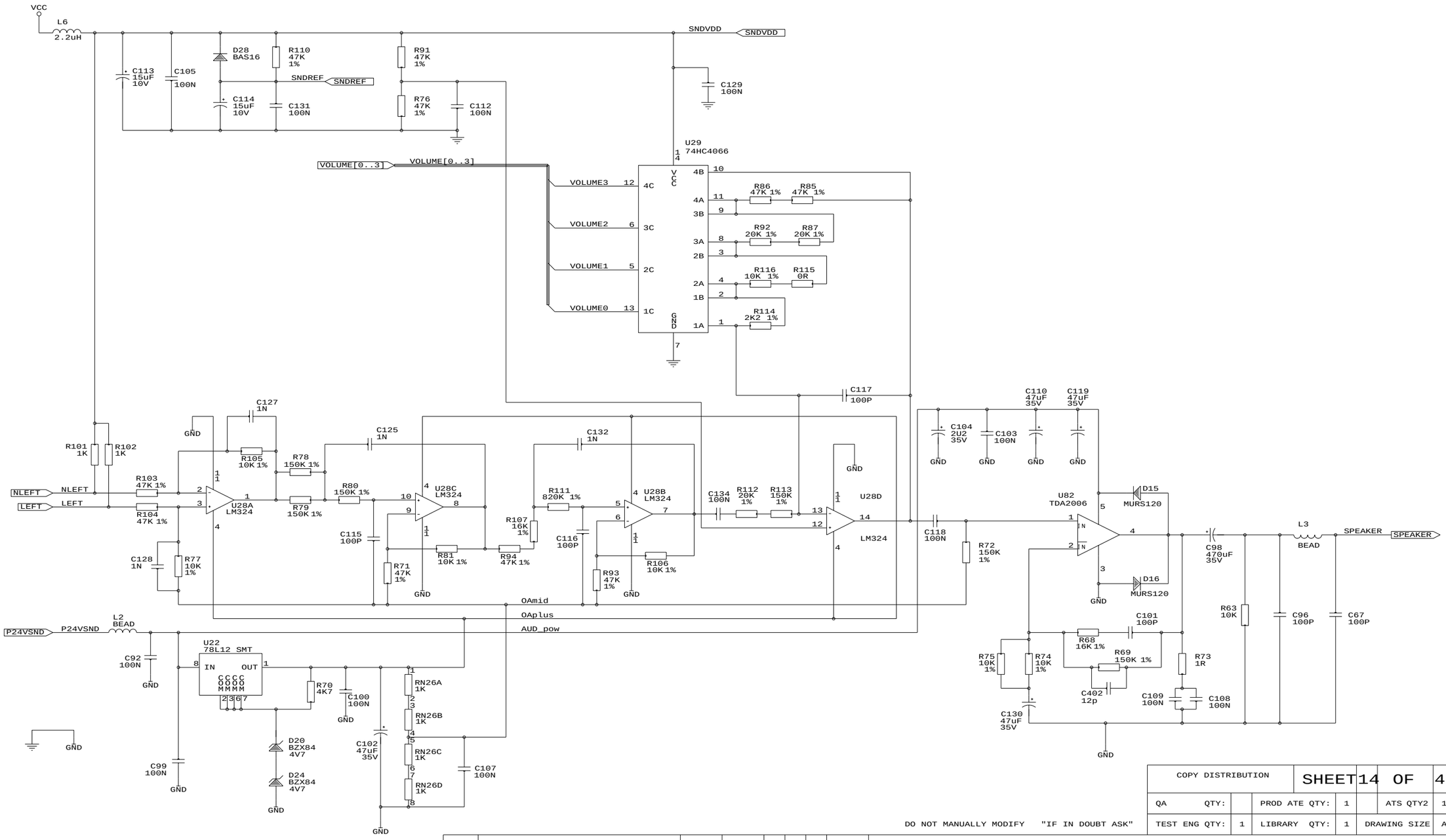
DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	PROCESSOR	25 01 410461 A	N/A



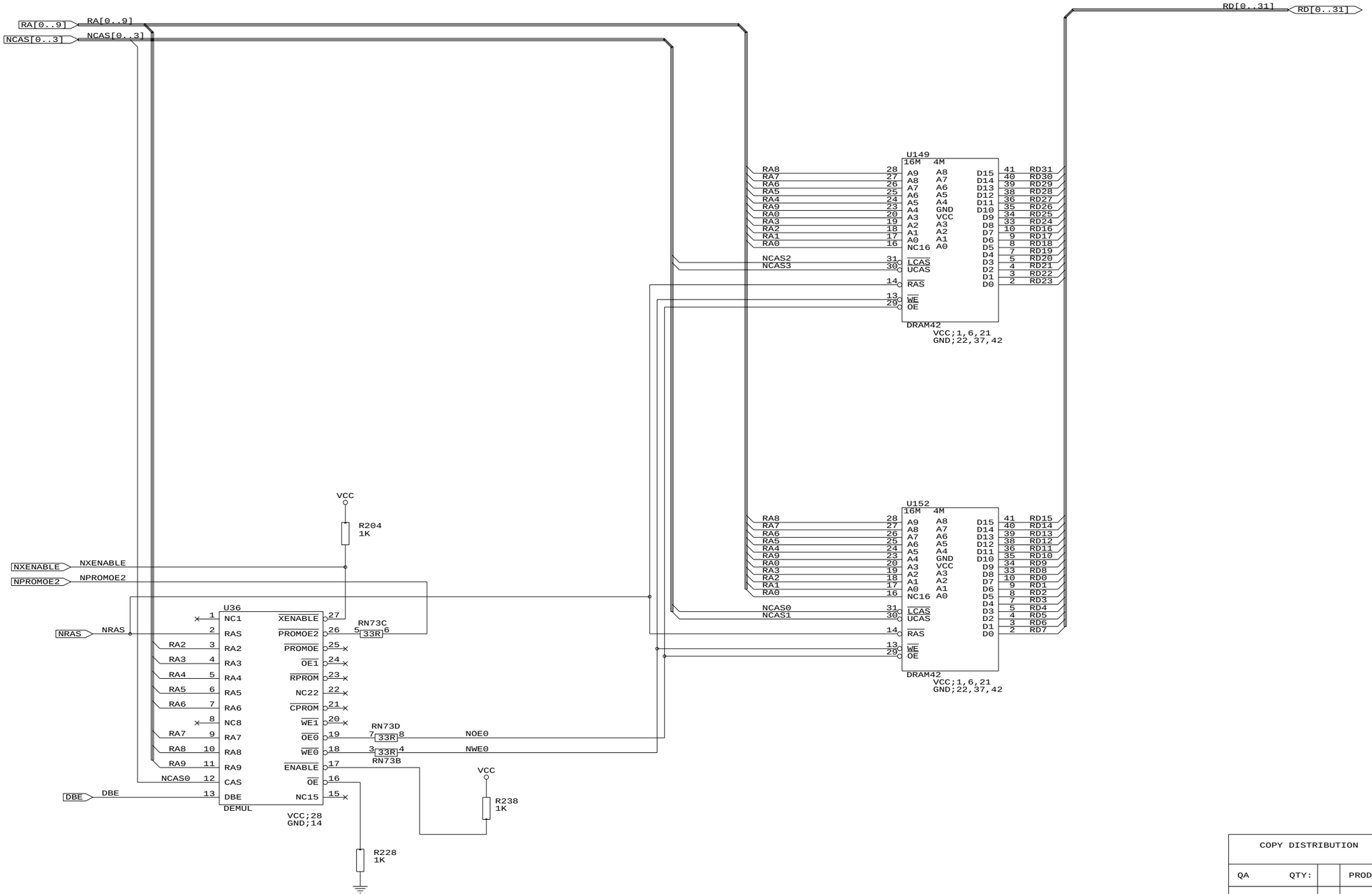
COPY DISTRIBUTION				SHEET	14	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY2	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1994 ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

					ISS
DRAWING REFERENCE	CD-410461				
JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	25	01 410461	A
PART	SOUND				N/A



DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

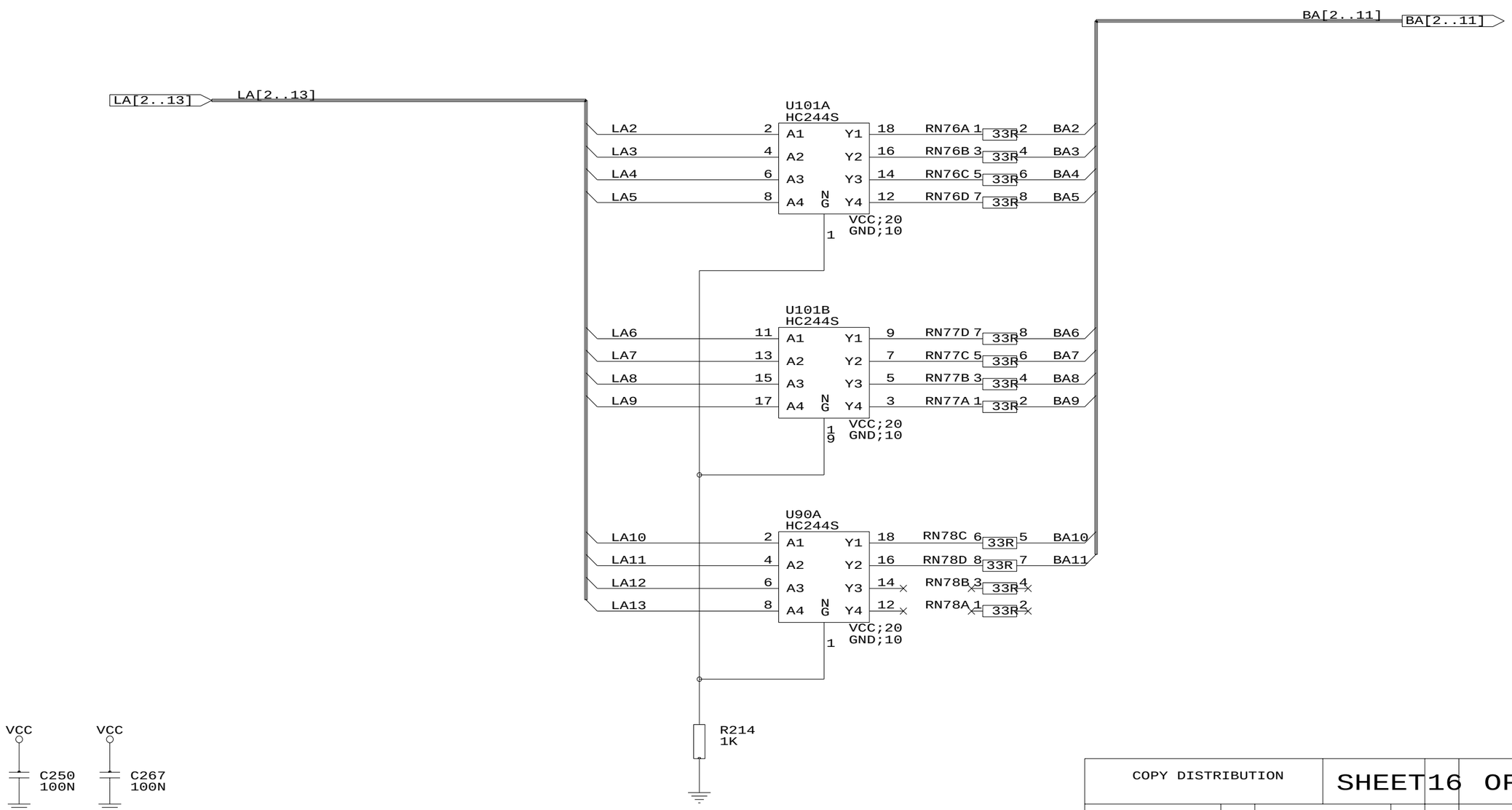
COPY DISTRIBUTION							SHEET 15 OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1		
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2			

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1994 ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS REV	
PART	DMEMORY	25 01 410461 A	N/A



COPY DISTRIBUTION		SHEET 16 OF 45			
QA QTY:		PROD ATE QTY:	1	ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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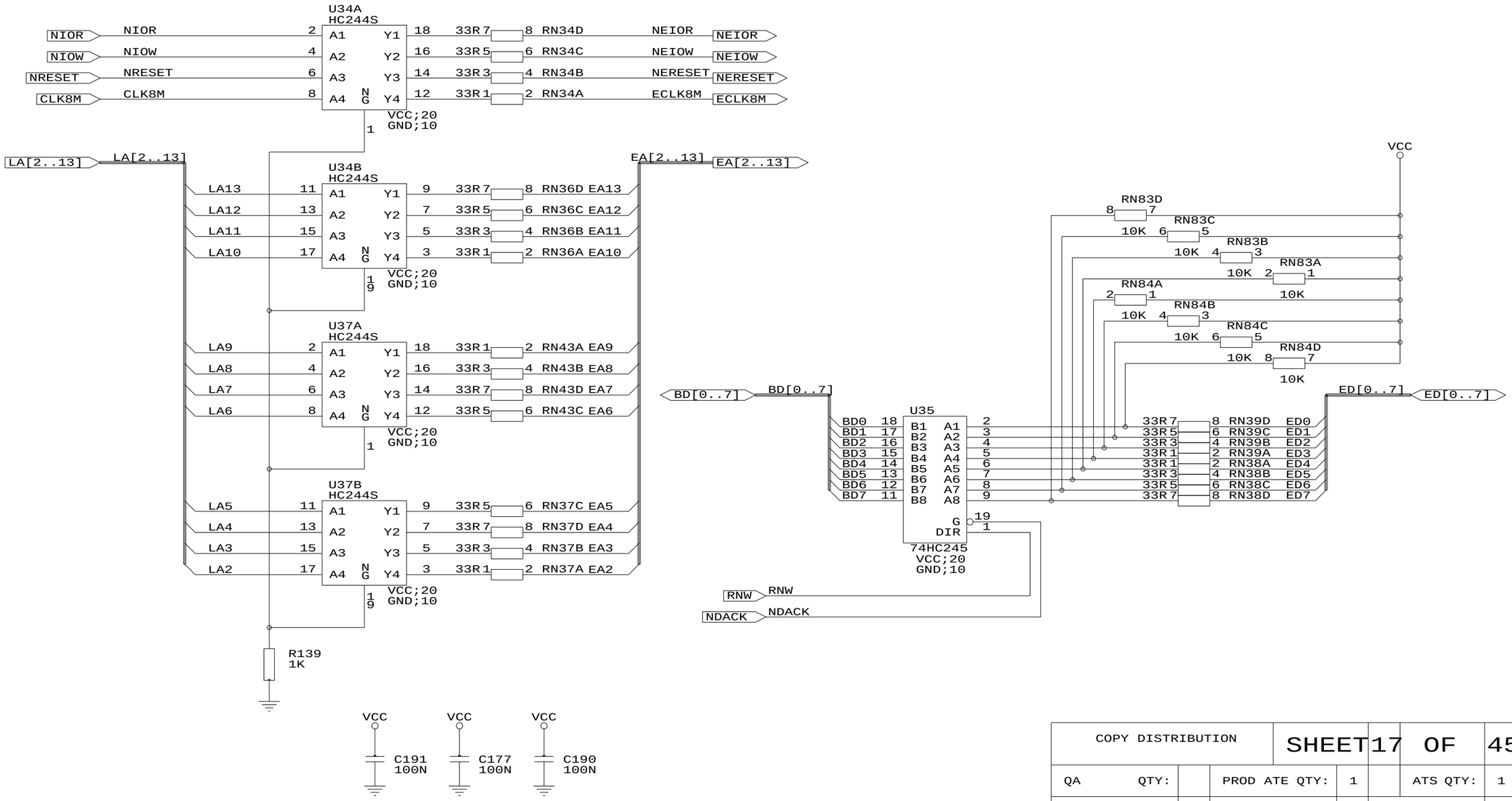
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	LABUFFER	25 01 410461	A N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

COPY DISTRIBUTION		SHEET	17	OF	45
QA QTY:		PROD ATE QTY:	1	ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3

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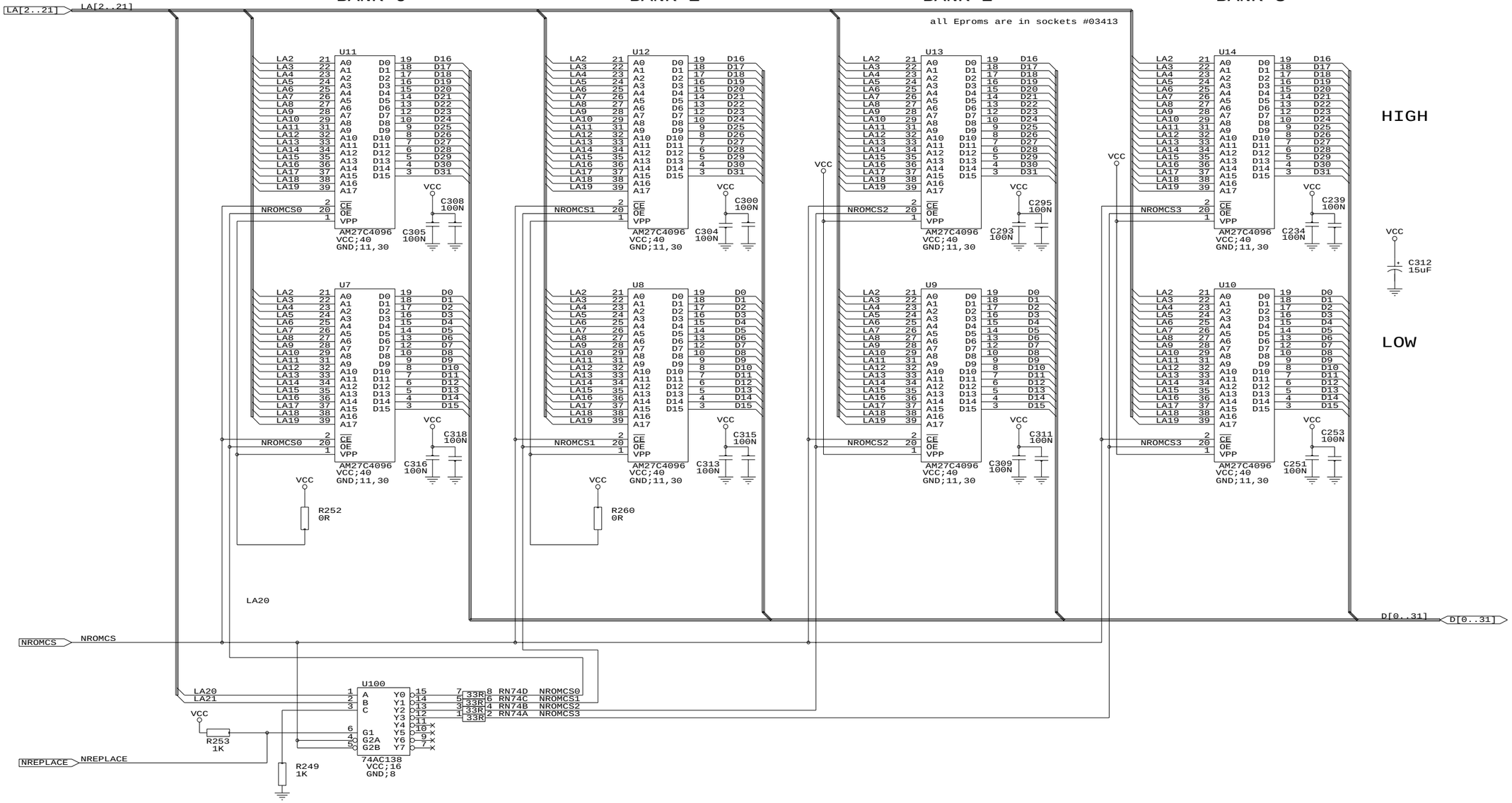
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	IO_OUT	25 01 410461 A	N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

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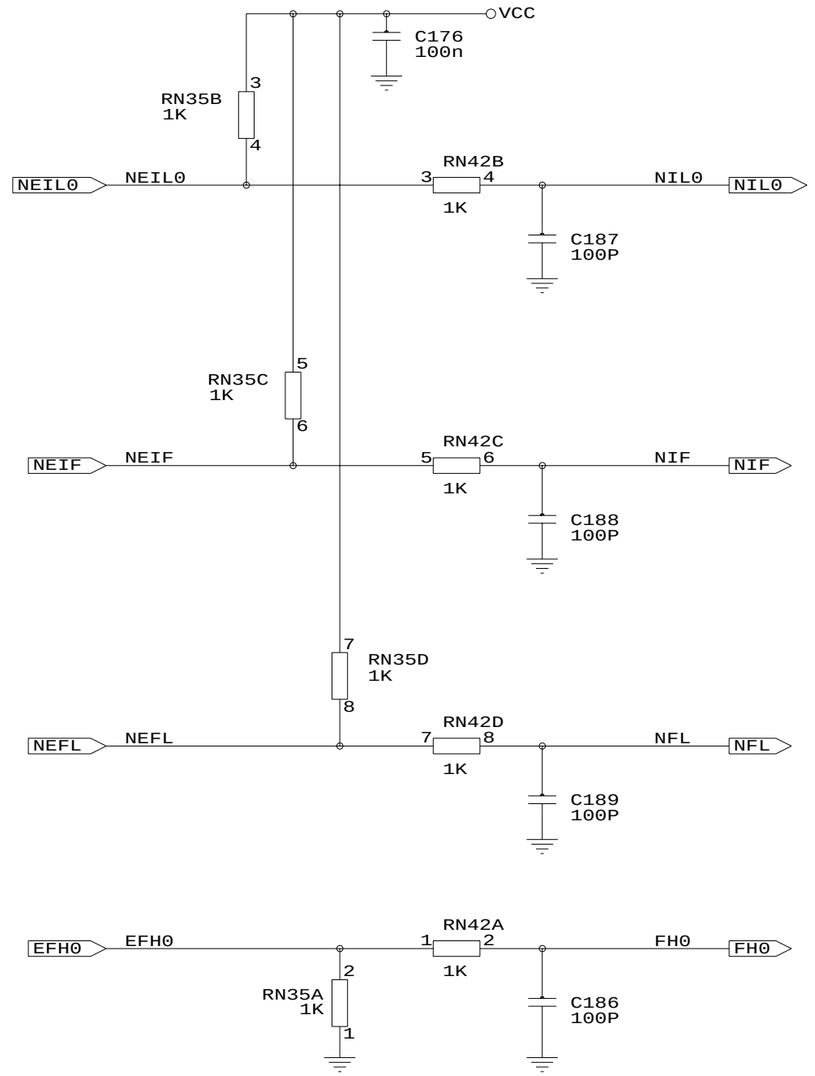
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	EPROM	25 01 410461	A	N/A	

COPY DISTRIBUTION				SHEET	18	OF	45				
QA	QTY:		PROD ATE QTY:	1		ATS QTY:	1				
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2						

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"



COPY DISTRIBUTION			SHEET 19 OF 45			
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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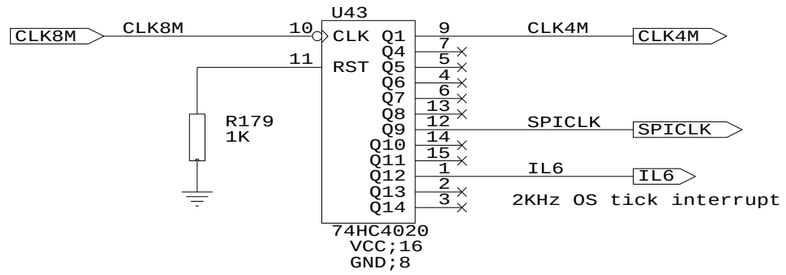
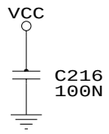
DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	IO_IN	25 01 410461 A	N/A





COPY DISTRIBUTION		SHEET 20 OF 45				
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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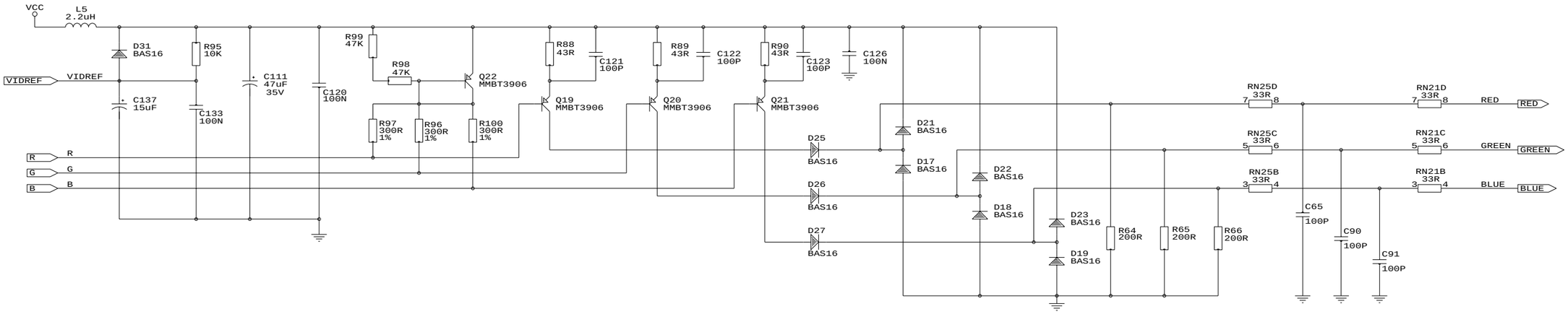
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	CLOCK	25 01 410461 A	N/A



COPY DISTRIBUTION				SHEET	21	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

		DRAWING ISSUE	A
JOB	MKV PROJECT		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	VIDEO	25 01 410461	A N/A

ARM250

U85

ARM250

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

* optional

* optional, solder side

A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

ARISTOCRAT LEISURE INDUSTRIES PTY LTD.

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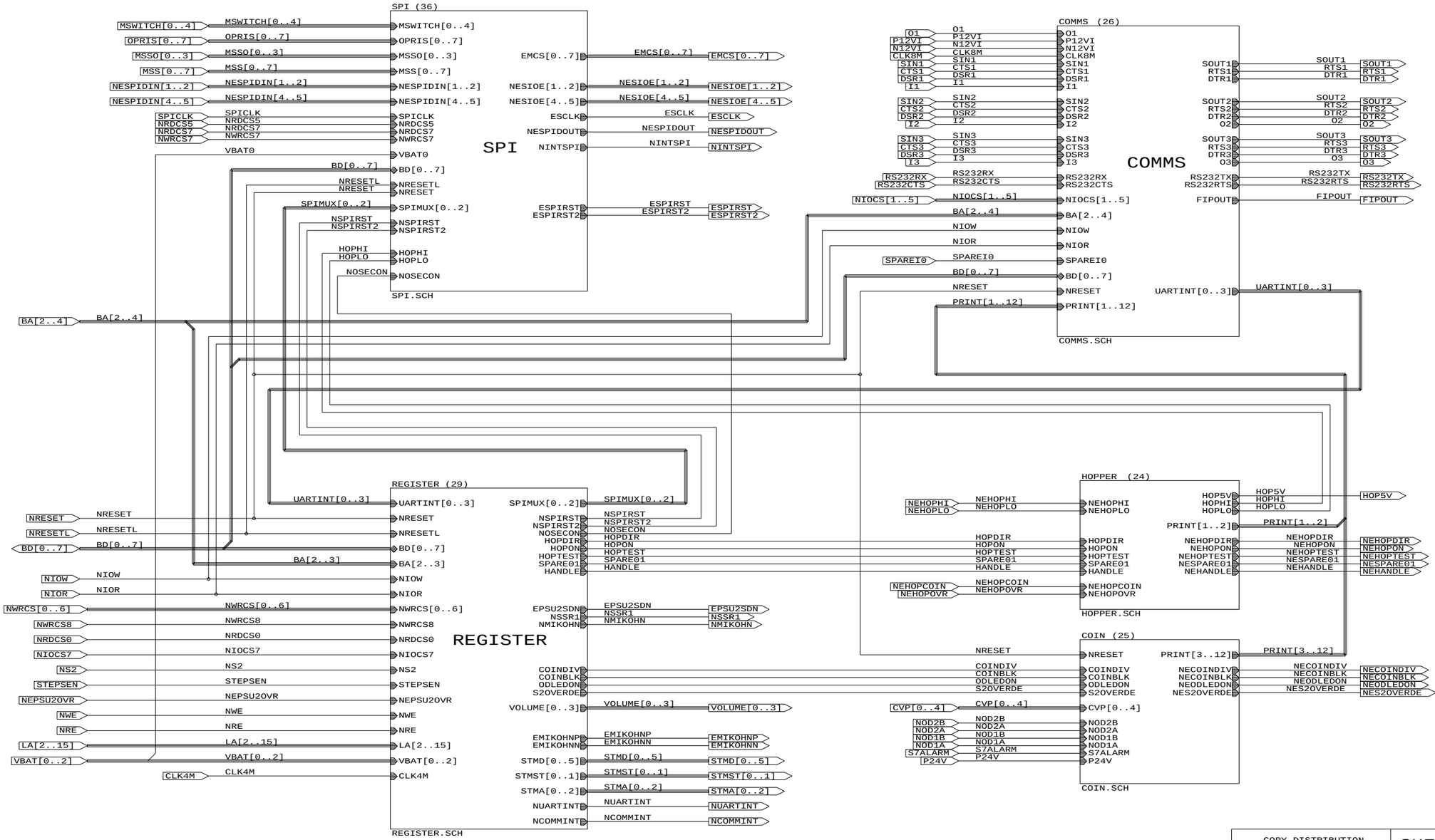
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	CPU	2501 410461 A	N/A

COPY DISTRIBUTION			SHEET	22	OF	45	
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2	



COPY DISTRIBUTION			SHEET	23	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS REV	
PART	IOC	25 01 410461	A N/A

NO HOPPER CIRCUIT REQUIRED FOR US

COPY DISTRIBUTION					SHEET	24	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1		
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

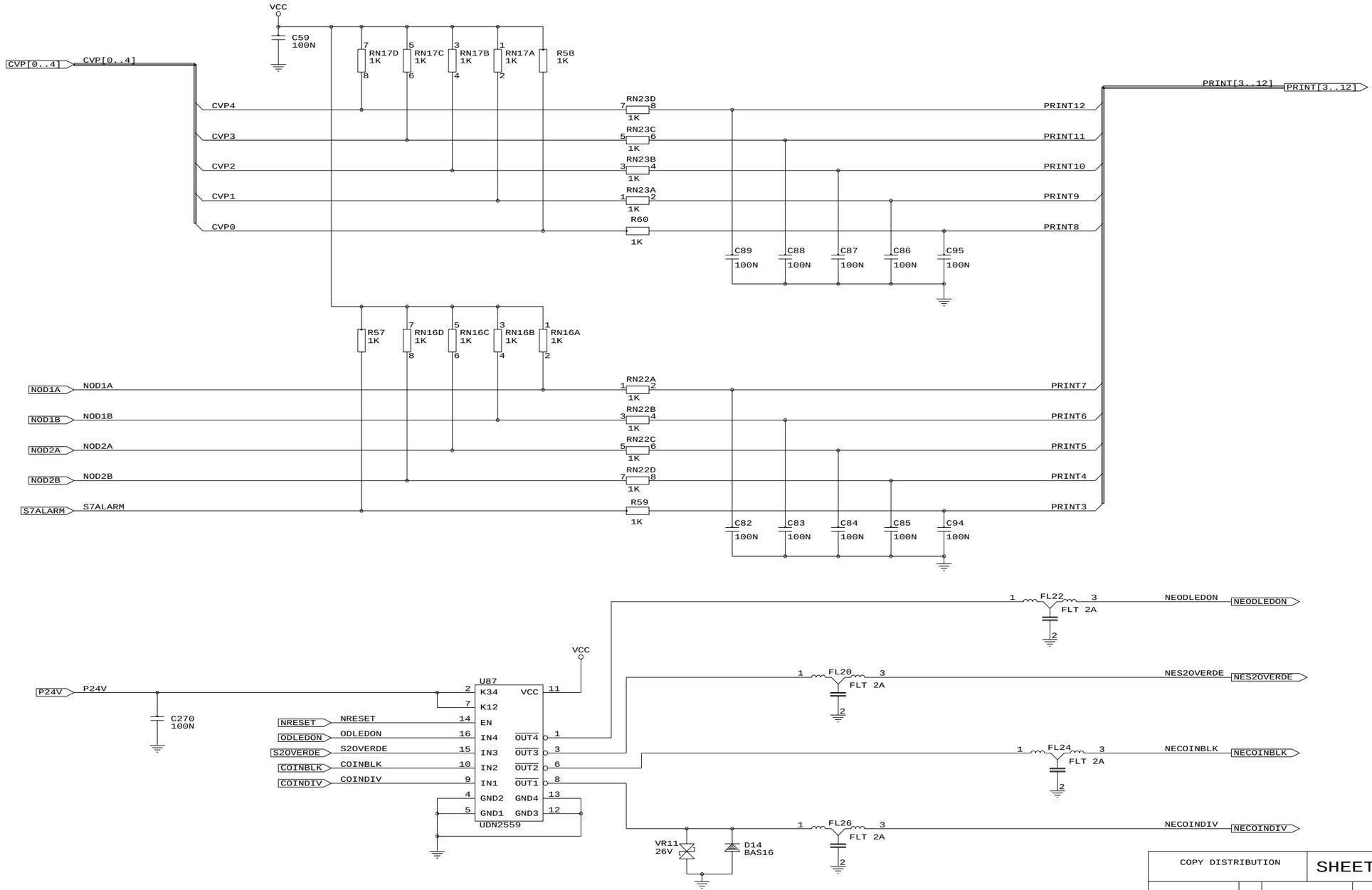
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD.

ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

		DRAWING ISSUE	A
JOB	MKV PROJECT		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	HOPPER	25 01 410461	A N/A



COPY DISTRIBUTION				SHEET 25 OF 45		
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A2

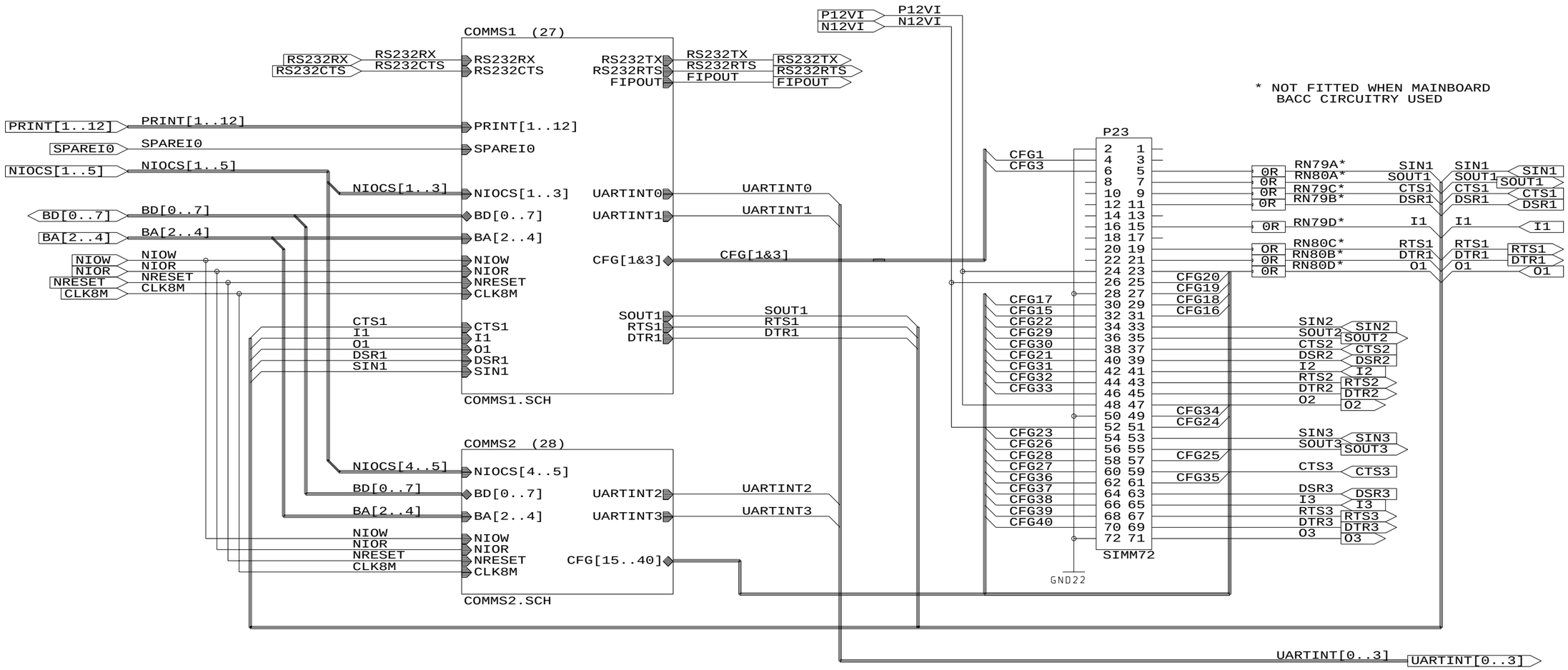
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

		DRAWING ISSUE	A
JOB	MKV PROJECT		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	COIN	25 01 410461	A N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION	SHEET 26 OF 45
QA QTY:	PROD ATE QTY: 1 ATS QTY: 1
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"	TEST ENG QTY: 1 LIBRARY QTY: 1 DRAWING SIZE A3

ARISTOCRAT LEISURE INDUSTRIES PTY LTD.

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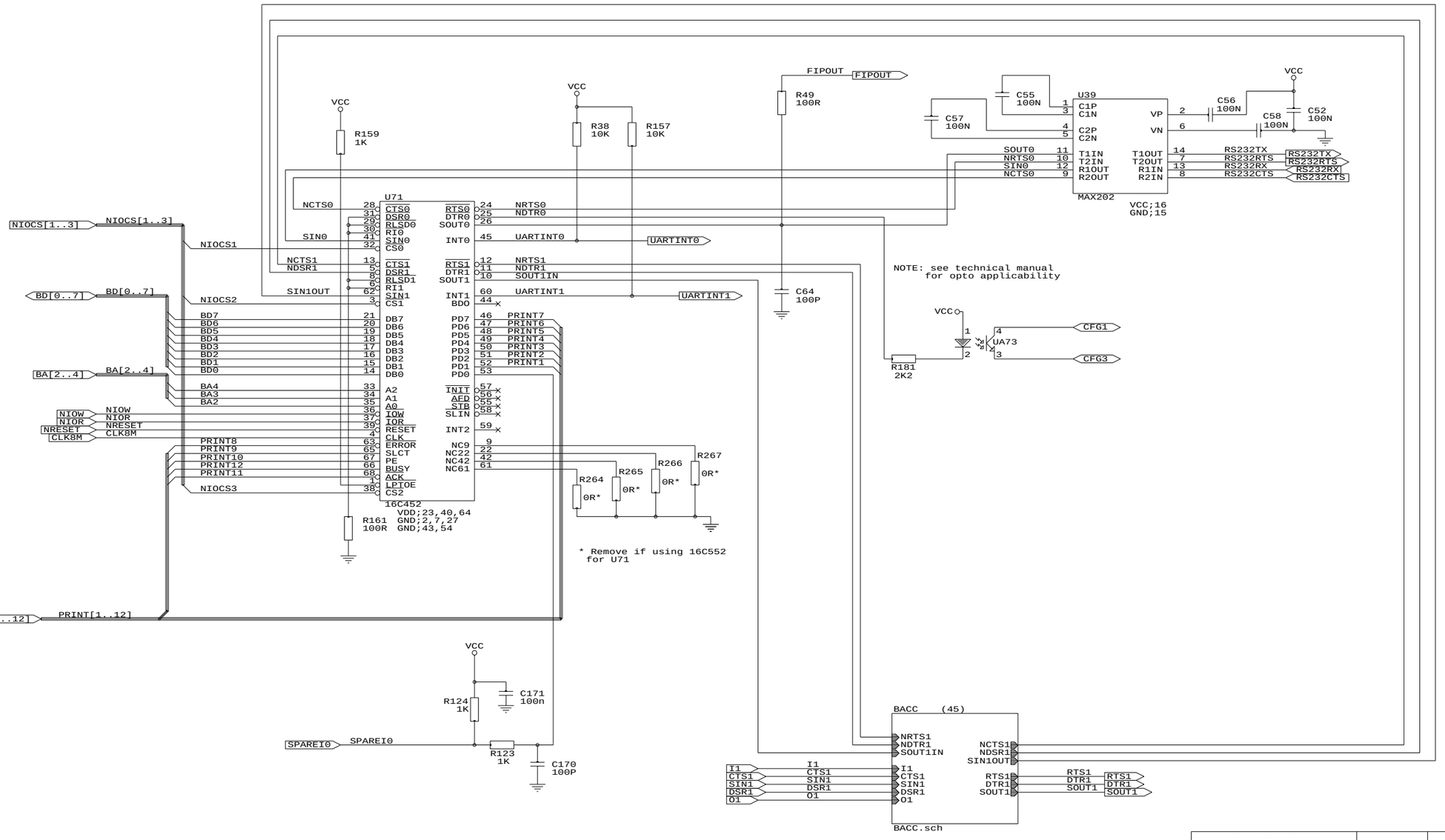
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	COMMS	25 01 410461 A	N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

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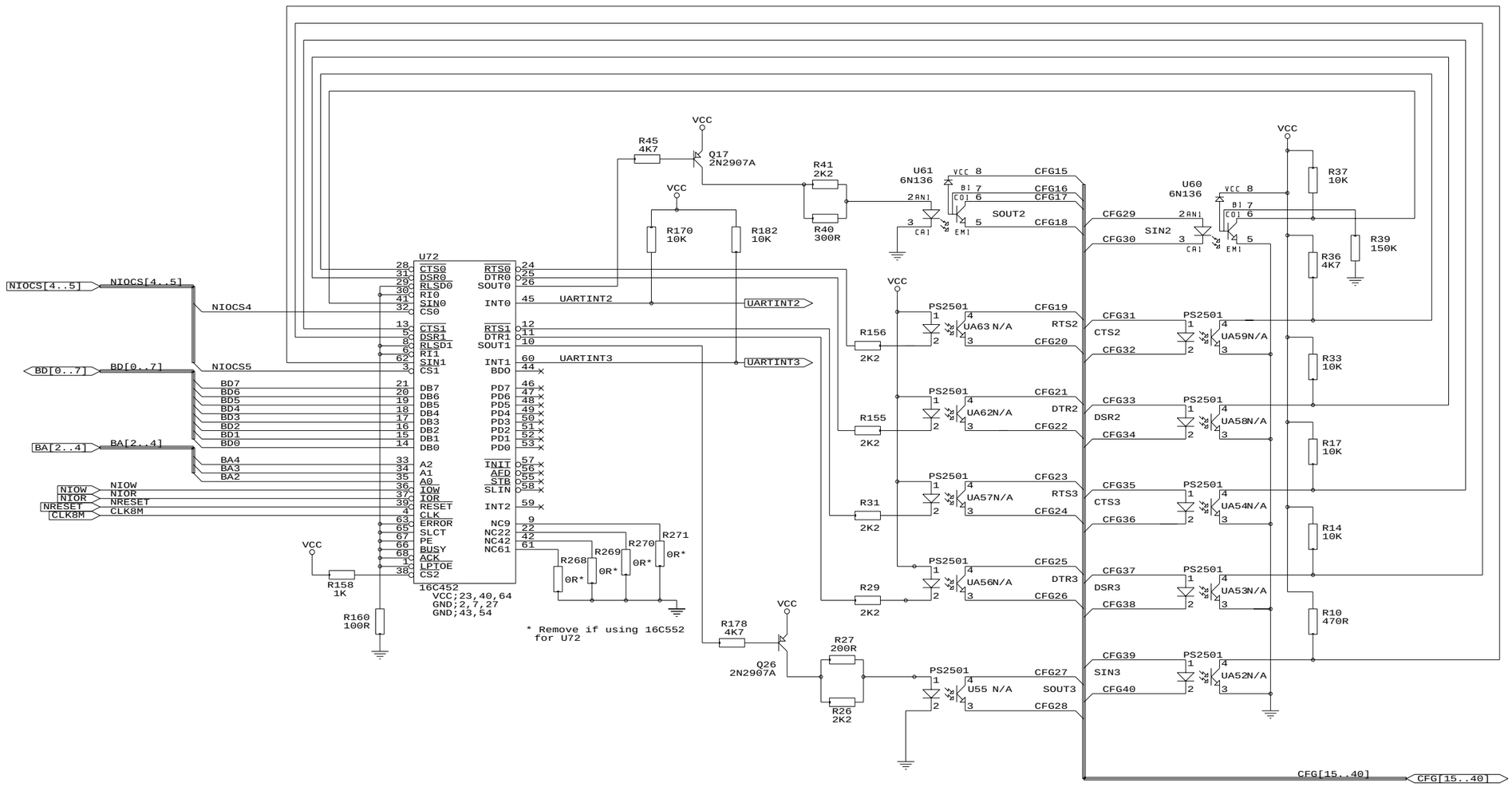
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE					
CD-410461					
JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	COMMS1	25 01 410461	A	N/A	

COPY DISTRIBUTION			SHEET	27	OF	45	
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"



								ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1994 ACN 001 660 715
								HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA. TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290
								THIS DRAWING IS THE PROPERTY OF THE COMPANY AND CANNOT BE COPIED OR REPRODUCED WITHOUT PERMISSION. PLEASE REPORT ANY OMISSIONS OR ERRORS TO THE DRAWING OFFICE
								JOB MKV PROJECT
								ASSY MAIN BOARD PCBA - USA
A	introduction	45274	7535.7	CC			19/11/99	PART COMMS2
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE	

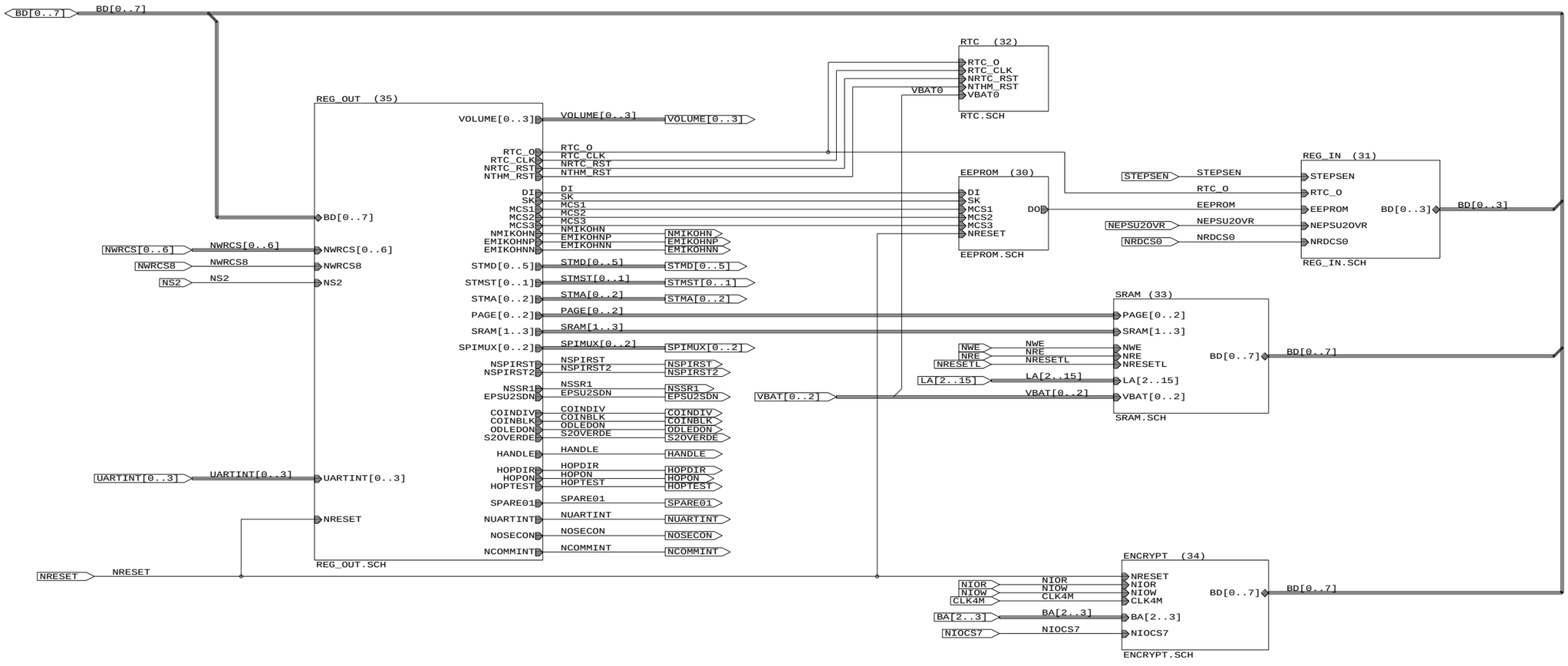
DRAWING REFERENCE: CD-410461

DRAWING ISSUE: A

PART NUMBER: 25 01 410461 | ISS: A | REV: N/A

COPY DISTRIBUTION			SHEET	28	OF		45
QA QTY:		PROD ATE QTY:	1		ATS QTY:		1
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE		A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"



COPY DISTRIBUTION				SHEET	29	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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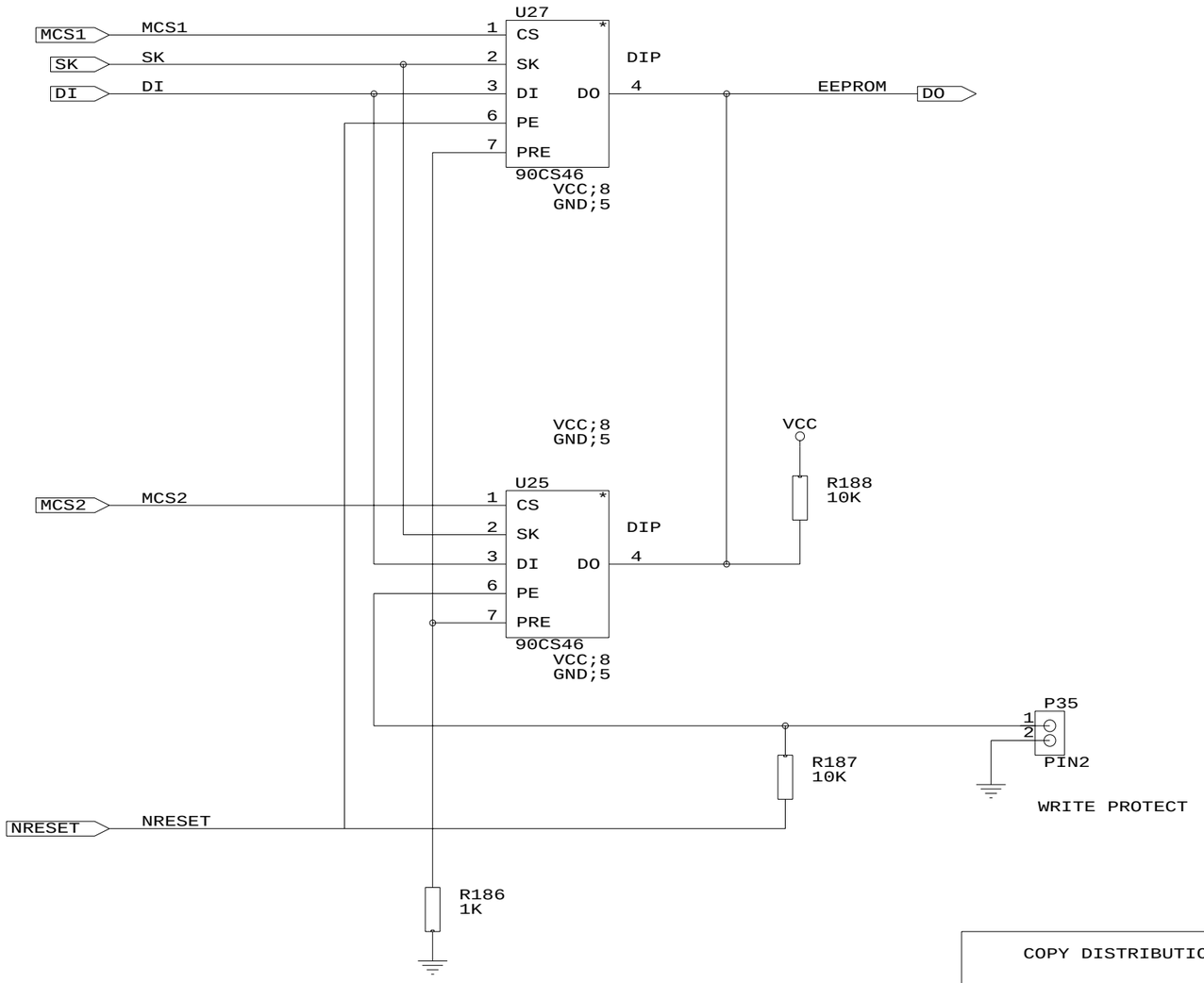
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	REGISTER	25 01 410461	A N/A

* fitted in socket #13188



COPY DISTRIBUTION			SHEET 30 OF 45			
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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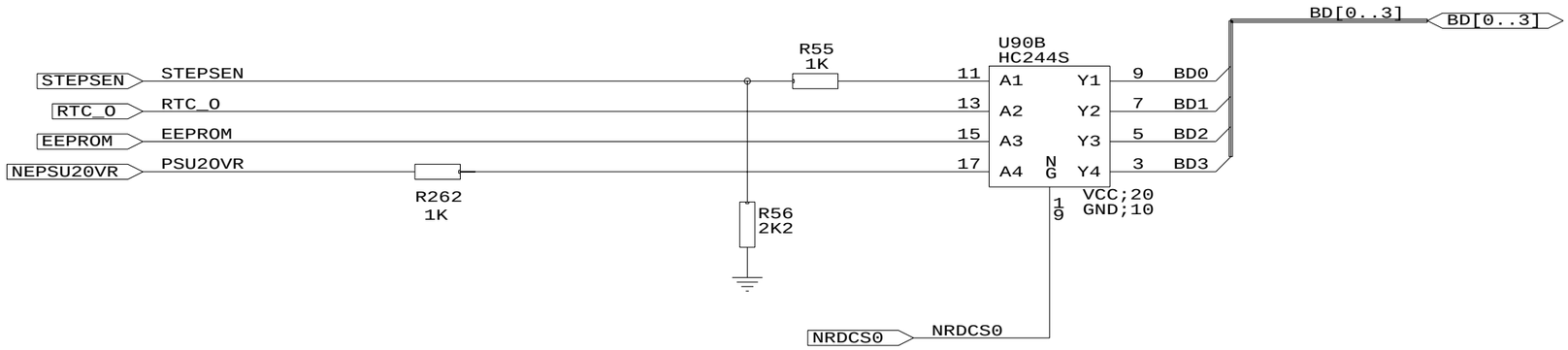
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	EEPROM	25 01 410461 A	N/A



COPY DISTRIBUTION				SHEET 31 OF 45		
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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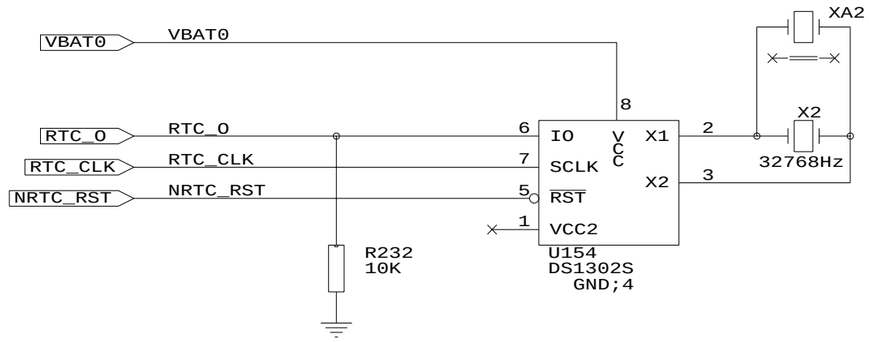
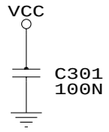
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	REG_IN	25 01 410461 A	N/A





DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

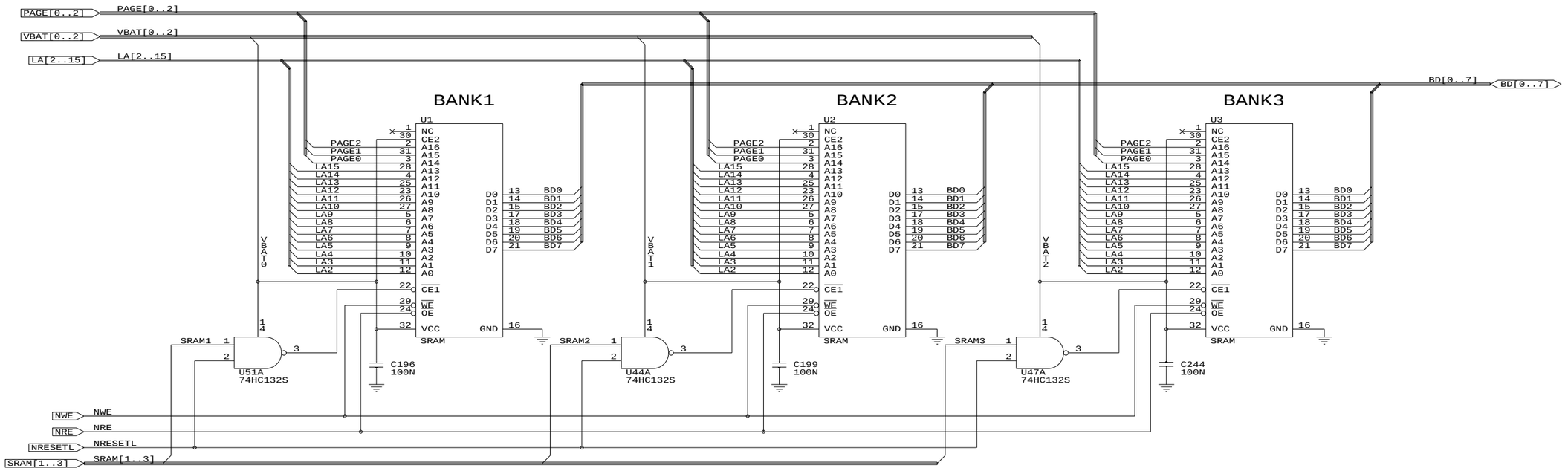
COPY DISTRIBUTION			SHEET 32 OF 45				
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3		

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1994 ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	RTC	25 01 410461 A	N/A



COPY DISTRIBUTION				SHEET	33	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	SRAM	25 01 410461	A N/A

ENCRYPT CIRCUIT NOT REQUIRED FOR NSW & US

COPY DISTRIBUTION						SHEET 34 OF 45	
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"	TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3	

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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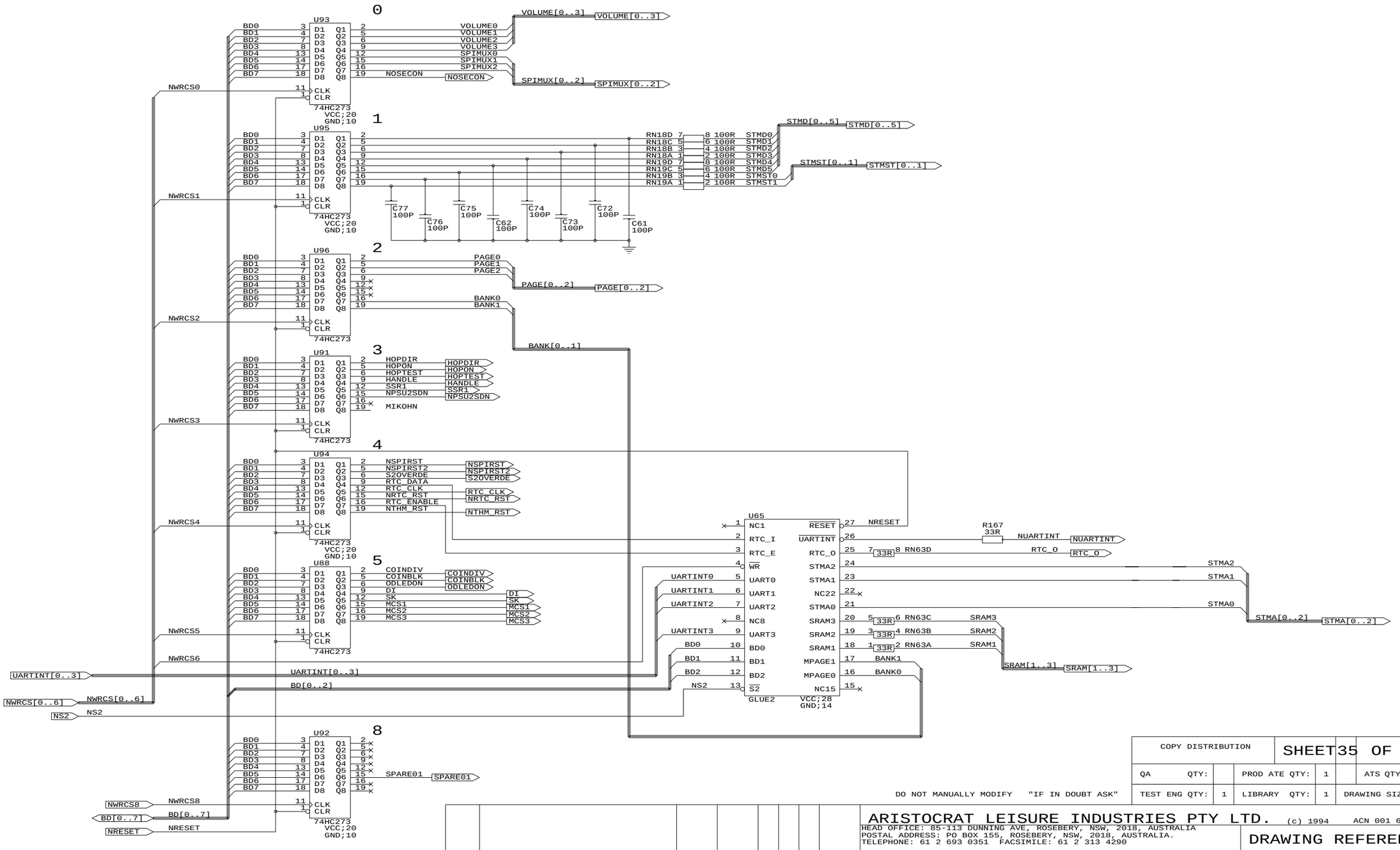
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	ENCRYPT	25 01 410461 A	N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION

SHEET 35 OF 45

QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

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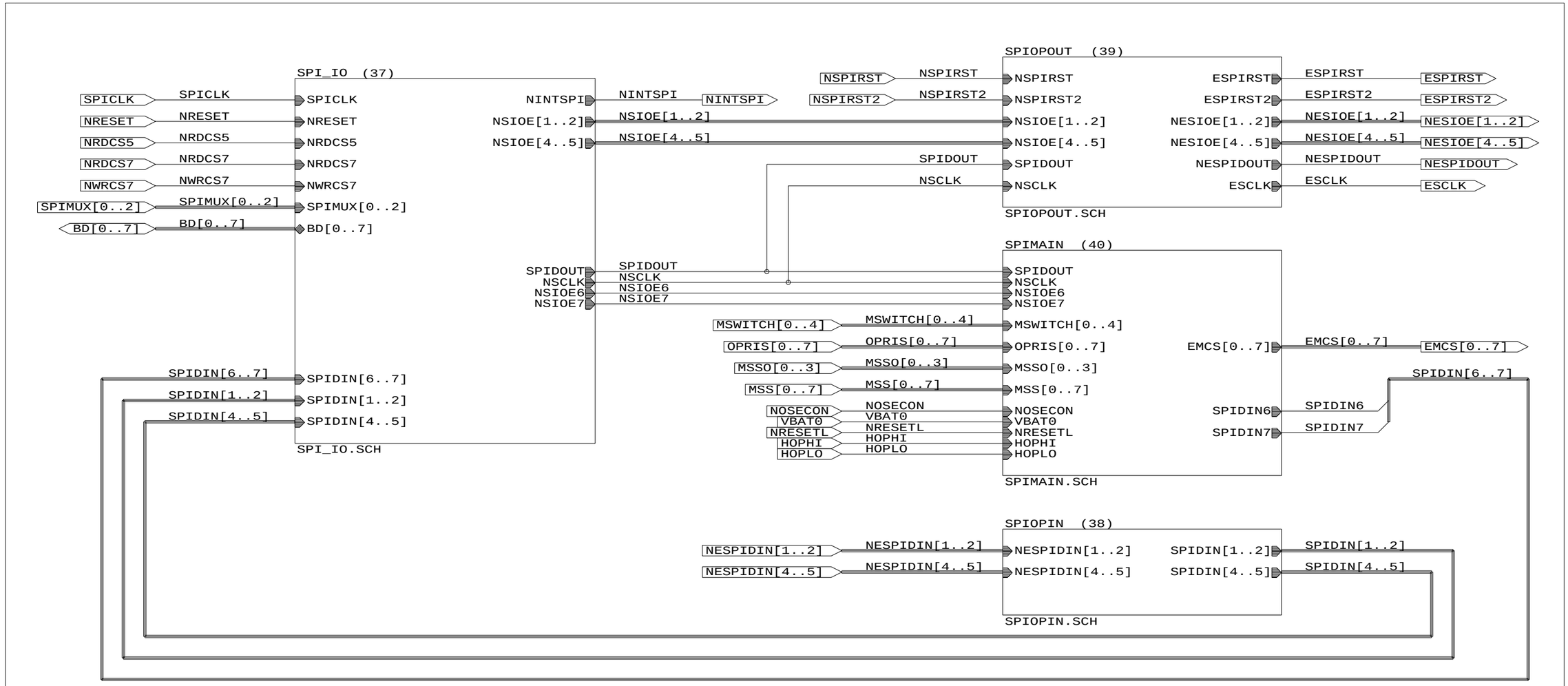
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	REG_OUT	25 01 410461 A	N/A



SPI	Function
0	Null
1	Top box lamps
2	Mechanical meters
3	Null
4	Door inputs
5	Door outputs
6	Main board I/O
7	Main board logic door

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

COPY DISTRIBUTION					SHEET	36	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1		
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A3		

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A	
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV
PART	SPI	25 01 410461	A	N/A

SPI_IO CIRCUIT NOT REQUIRED FOR US

COPY DISTRIBUTION						SHEET	37	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1			
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2			

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

		DRAWING REFERENCE	
		CD-410461	
JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	SPI_IO	25 01 410461 A	N/A

SPIOPIN CIRCUIT NOT REQUIRED FOR US

COPY DISTRIBUTION					SHEET	38	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1		
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"	TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3		

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

		DRAWING ISSUE	A
JOB	MKV PROJECT		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	SPIOPIN	25 01 410461	A N/A

SPIOPOUT CIRCUIT NOT REQUIRED FOR US

COPY DISTRIBUTION						SHEET	39	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1			
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2			

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
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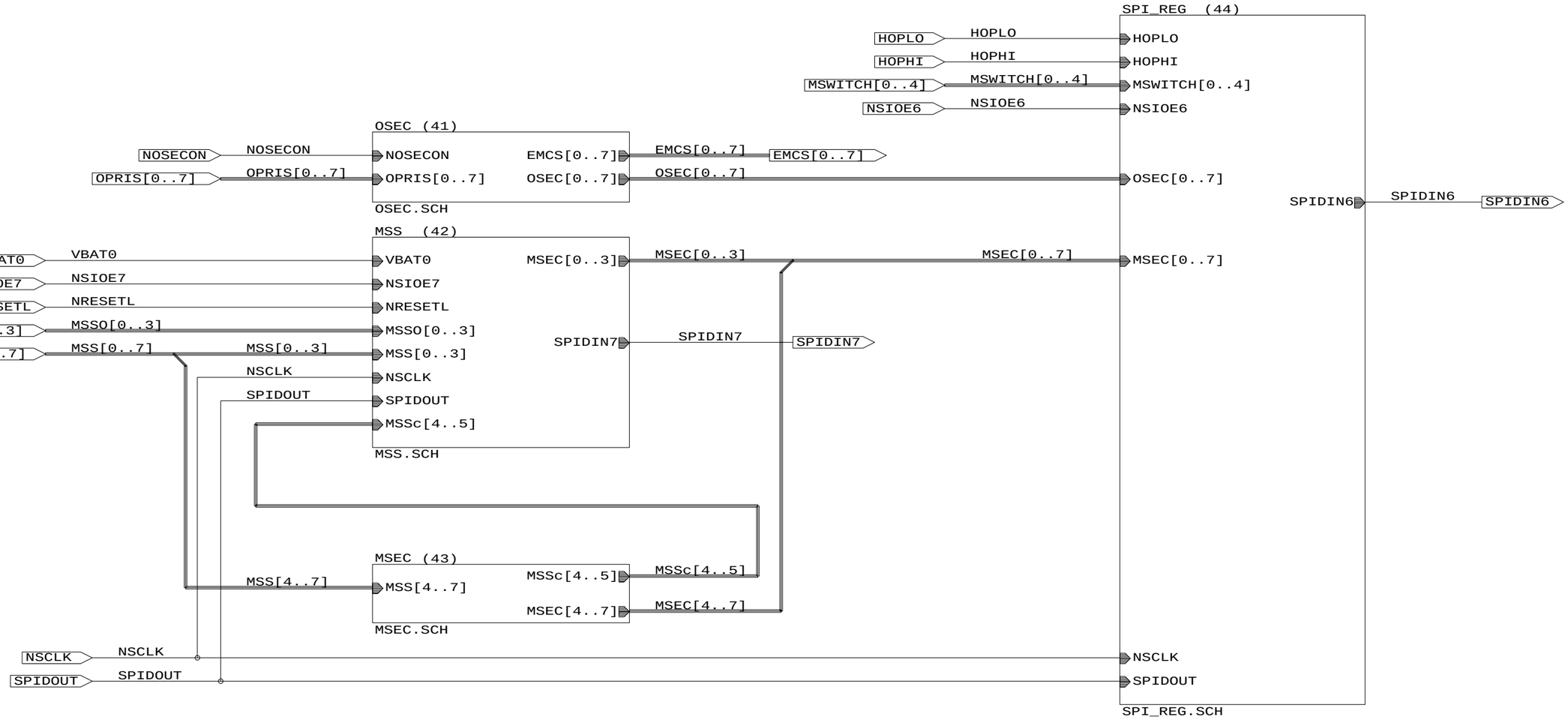
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV	
PART	SPIOPOUT	25 01 410461	A	N/A	



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION			SHEET	40	OF 45
QA QTY:		PROD ATE QTY:	1	ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS REV
PART	SPIMAIN	25 01 410461	A N/A

OSEC CIRCUIT NOT REQUIRED FOR US

A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION				SHEET	41	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2	

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

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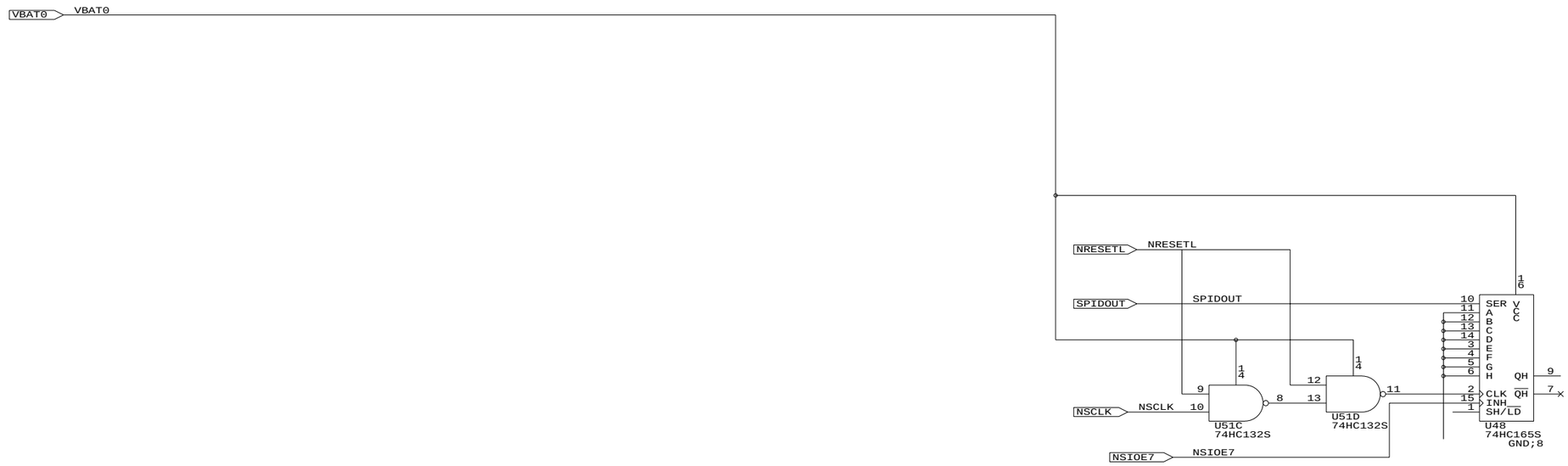
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	OSEC	25 01 410461 A	N/A



security channel reconfiguration

RN81 channels 0,1,2,3
RN82 channels 0,4,5,3

COPY DISTRIBUTION				SHEET 42 OF 45			
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2	

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

JOB	MKV PROJECT	DRAWING REFERENCE			
ASSY	MAIN BOARD PCBA - USA	DRAWING ISSUE	A		
PART	MSS	PART NUMBER	ISS	REV	
		25 01 410461	A	N/A	

MSEC CIRCUIT NOT REQUIRED FOR US

COPY DISTRIBUTION						SHEET	43	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1			
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2			

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A	
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV
PART	MSEC	25 01 410461	A	N/A

SPI_REG NOT REQUIRED FOR US

COPY DISTRIBUTION					SHEET	44	OF	45
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1		
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
A	introduction	45274	7535.7	CC			19/11/99

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
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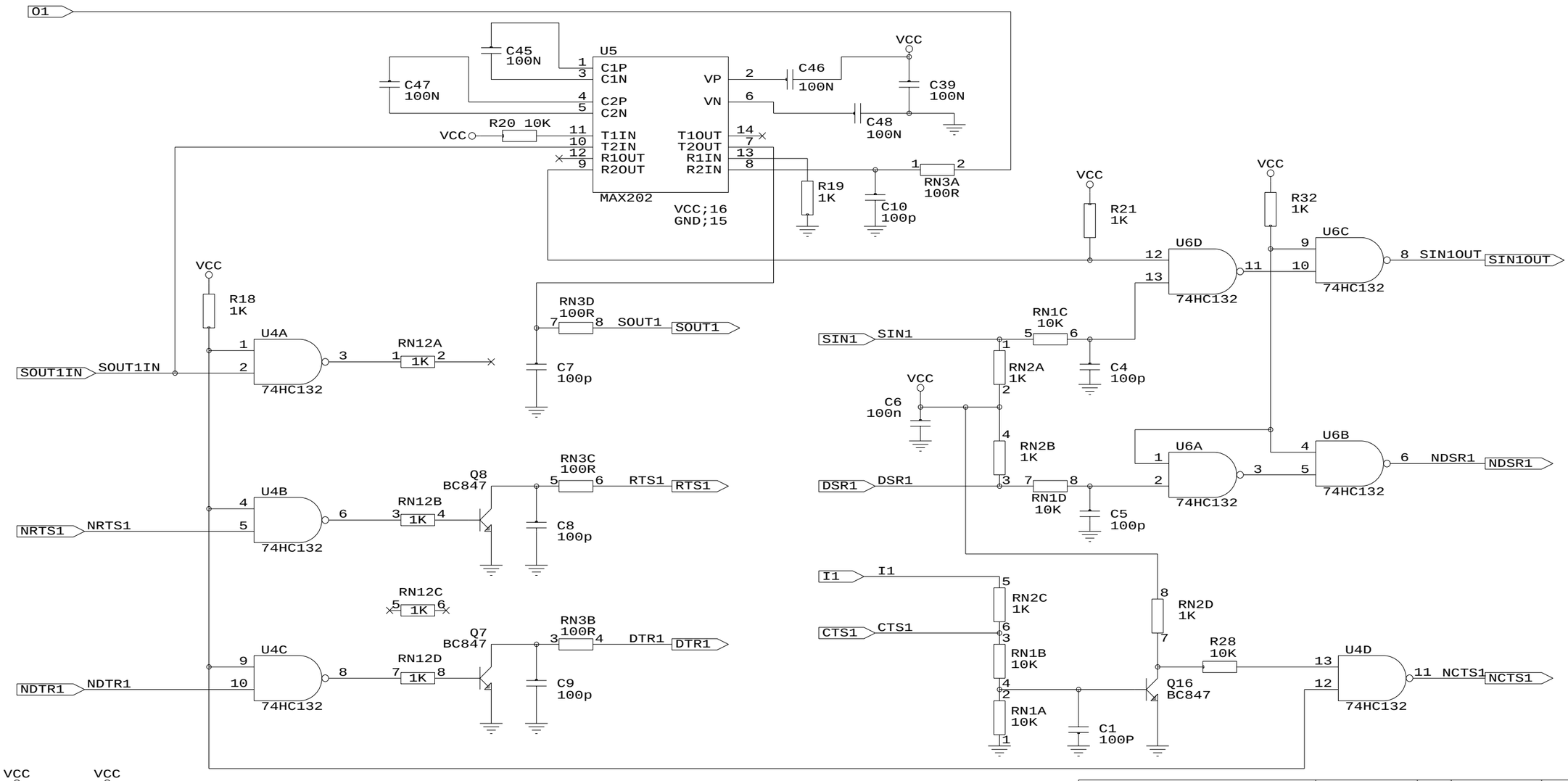
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A	
ASSY	MAIN BOARD PCBA - USA	PART NUMBER	ISS	REV
PART	SPI_REG	25 01410461	A	N/A



A	introduction	45274	7535.7	CC			19/11/99
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

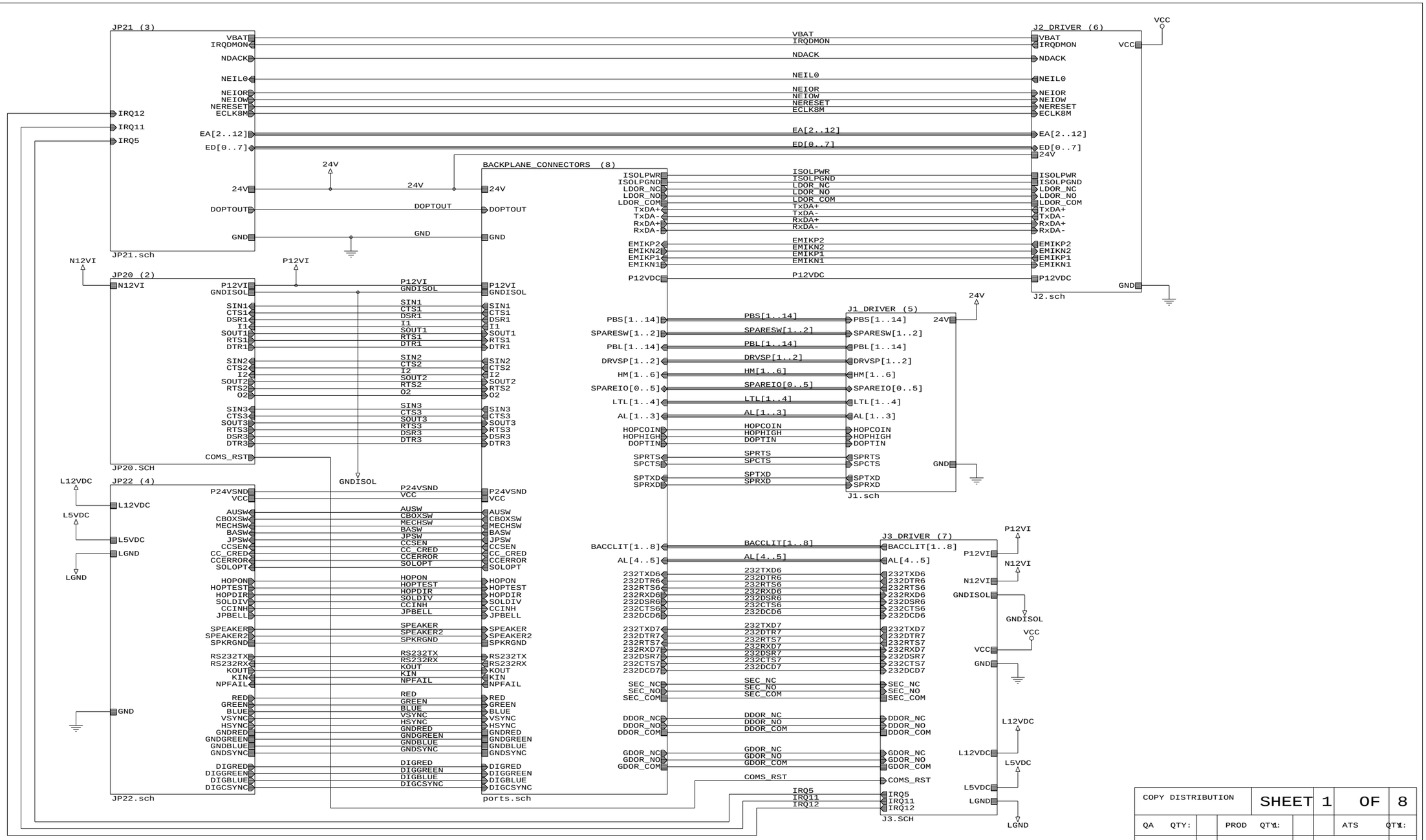
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

COPY DISTRIBUTION			SHEET 45 OF 45		
QA QTY:		PROD ATE QTY:	1	ATS QTY:	1
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A3

DRAWING REFERENCE

CD-410461

JOB	MKV PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD PCBA - USA	PART NUMBER ISS	REV
PART	BACC	25 01 410461 A	N/A



COPY DISTRIBUTION		SHEET	1	OF	8	
QA QTY:		PROD QTY1:		ATS QTY1:		
TEST QTY1		LIBRARY QTY:	1	DRAWING SIZE	A2	

ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE
A	INTRODUCTION	30662	BCR	GE		17-10-96

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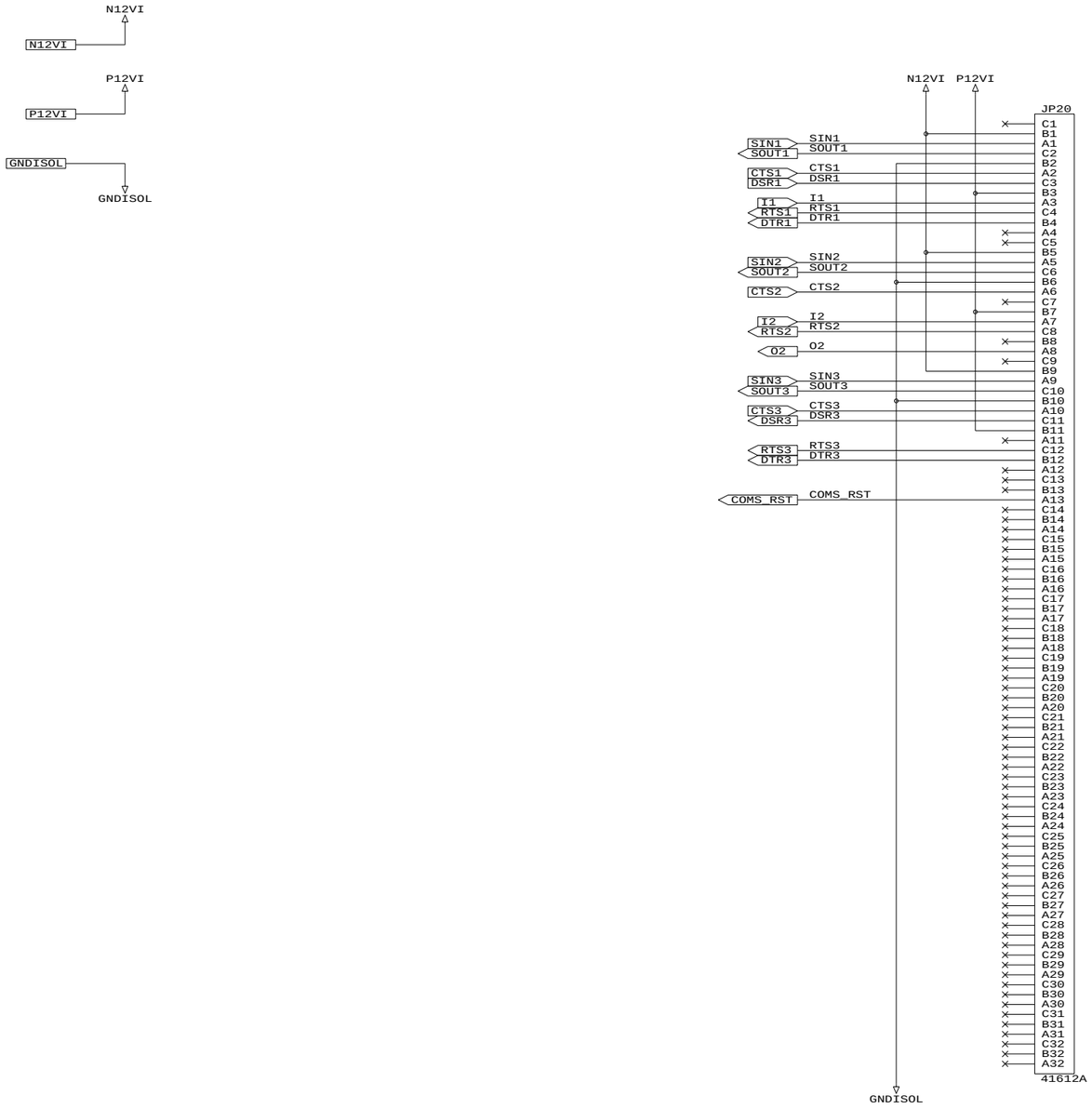
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE

CD-410351

JOB	MKV US POKER	DRAWING ISSUE
ASSY	US BACKPLANE BOARD	PART NUMBER ISS REV
PART	CIRCUIT DIAGRAM-TOP LEVEL	25 01 410351 A NA

410351.SCH



COPY DISTRIBUTION						SHEET	2	OF	8
QA	QTY:		PROD ATE	QTY:	1		ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE			A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE
A	INTRODUCTION	30465772	BCJR	GE		17.10.96

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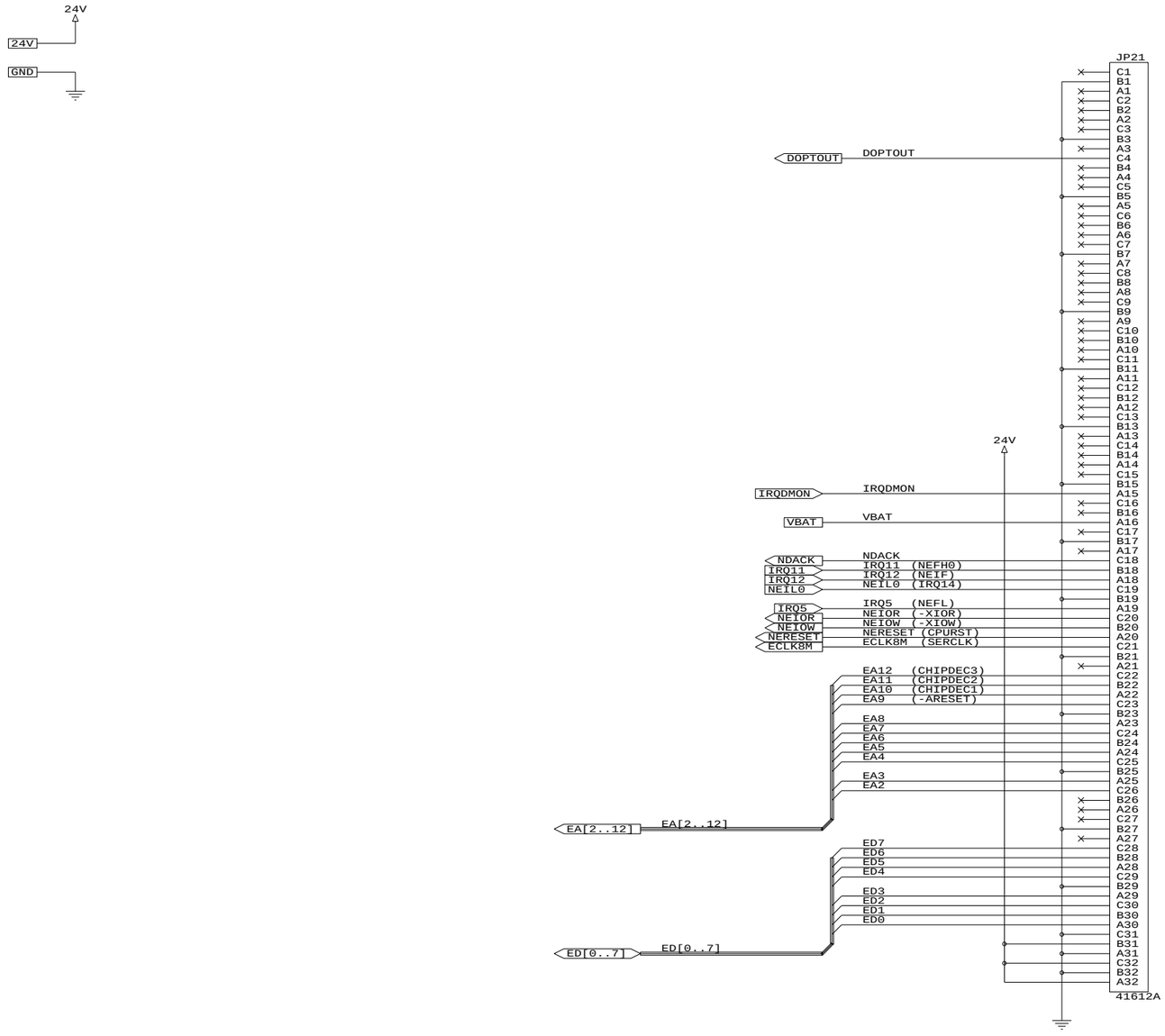
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410351

JOB	MKV US POKER	DRAWING ISSUE	A
ASSY	US BACKPLANE BOARD	PART NUMBER	ISS REV
PART	JP20-MAIN BOARD CONNECTOR	25 01 410351	A NA

JP20.sch



A	INTRODUCTION	30465772	BCJR	GE	17-10-96		
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

COPY DISTRIBUTION						SHEET	3	OF	8
QA	QTY:		PROD ATE	QTY:	1		ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1		DRAWING SIZE		A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. ACN 001 660 715
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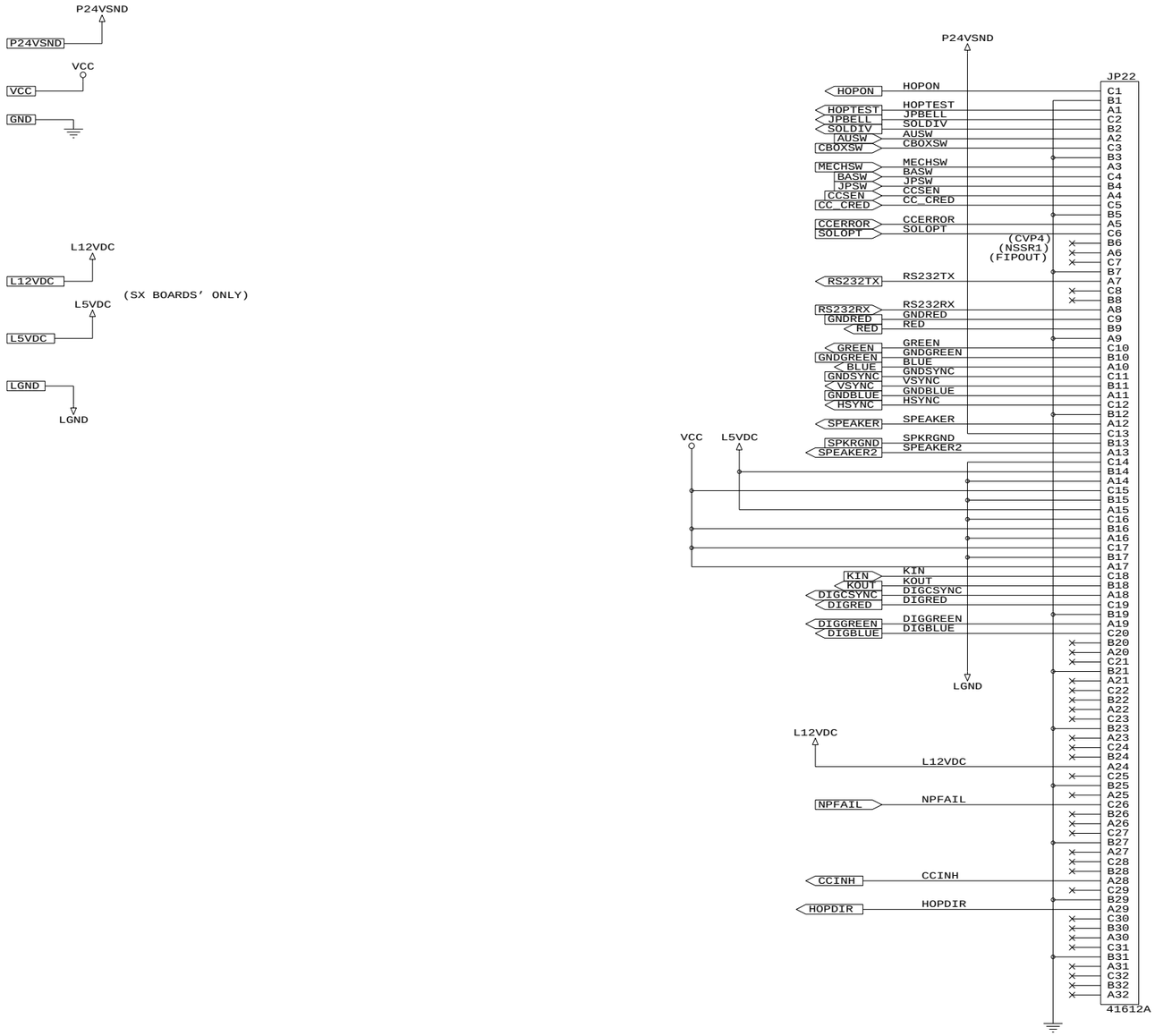
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410351

JOB	MKV US POKER		DRAWING ISSUE		A
ASSY	US BACKPLANE BOARD		PART NUMBER	ISS	REV
PART	JP21-MAIN BOARD CONNECTOR	25 01 410351		A	NA

JP21.sch



A	INTRODUCTION	30465772	BCJR	GE	17.10.96		
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

COPY DISTRIBUTION		SHEET	4	OF	8
QA QTY:		PROD ATE QTY:	1	ATS QTY:	
TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

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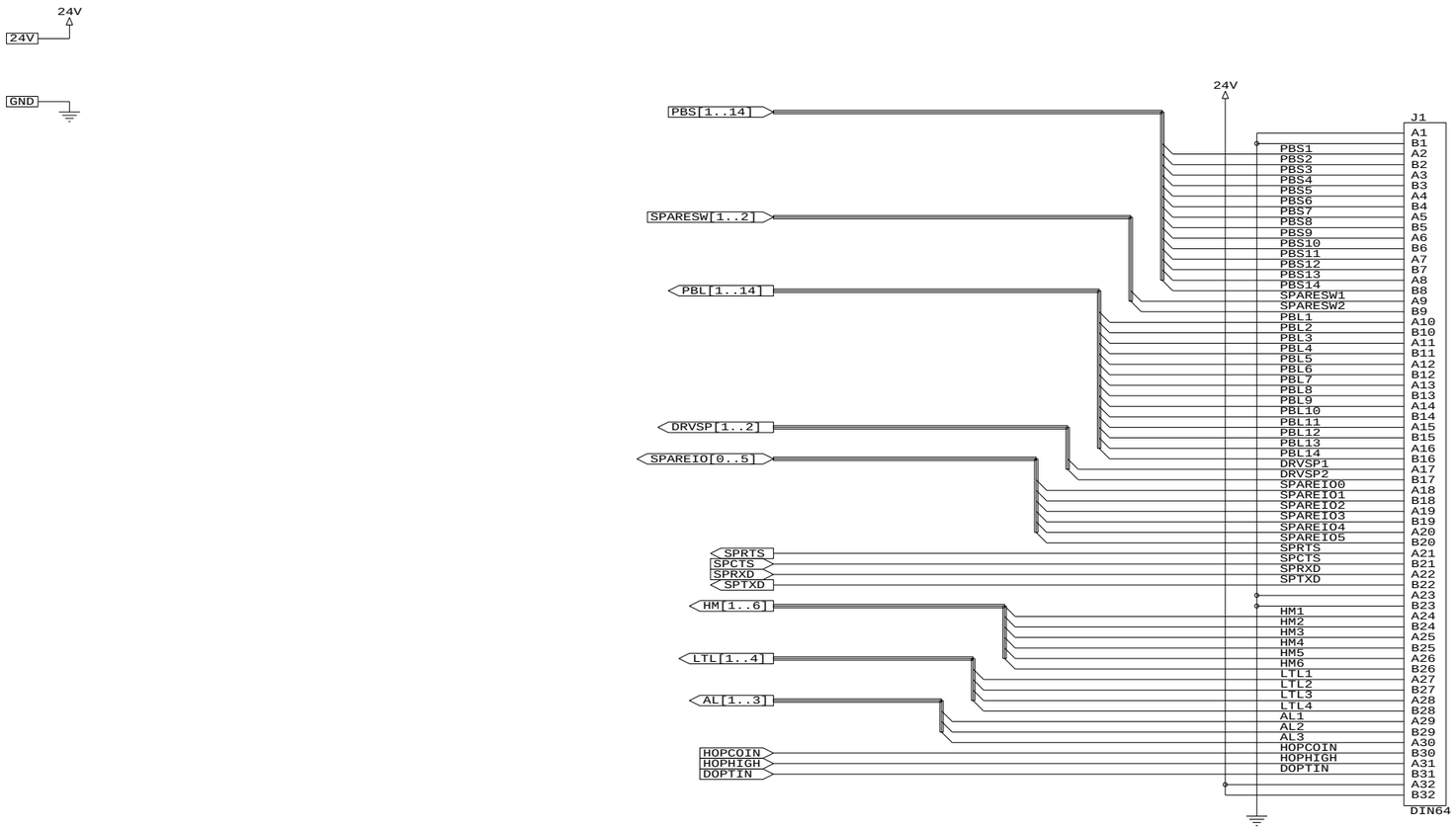
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410351

JOB	MKV US POKER	DRAWING ISSUE	A		
ASSY	US BACKPLANE BOARD	PART NUMBER	ISS	REV	
PART	JP22-MAIN BOARD CONNECTOR	25 01 410351	A	NA	

JP22.sch



A	INTRODUCTION	30465772	BC	JR	GE	17-10-96	
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

COPY DISTRIBUTION			SHEET	5	OF	8			
QA	QTY:		PROD ATE	QTY:	1		ATS	QTY:	1
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"			TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE A2

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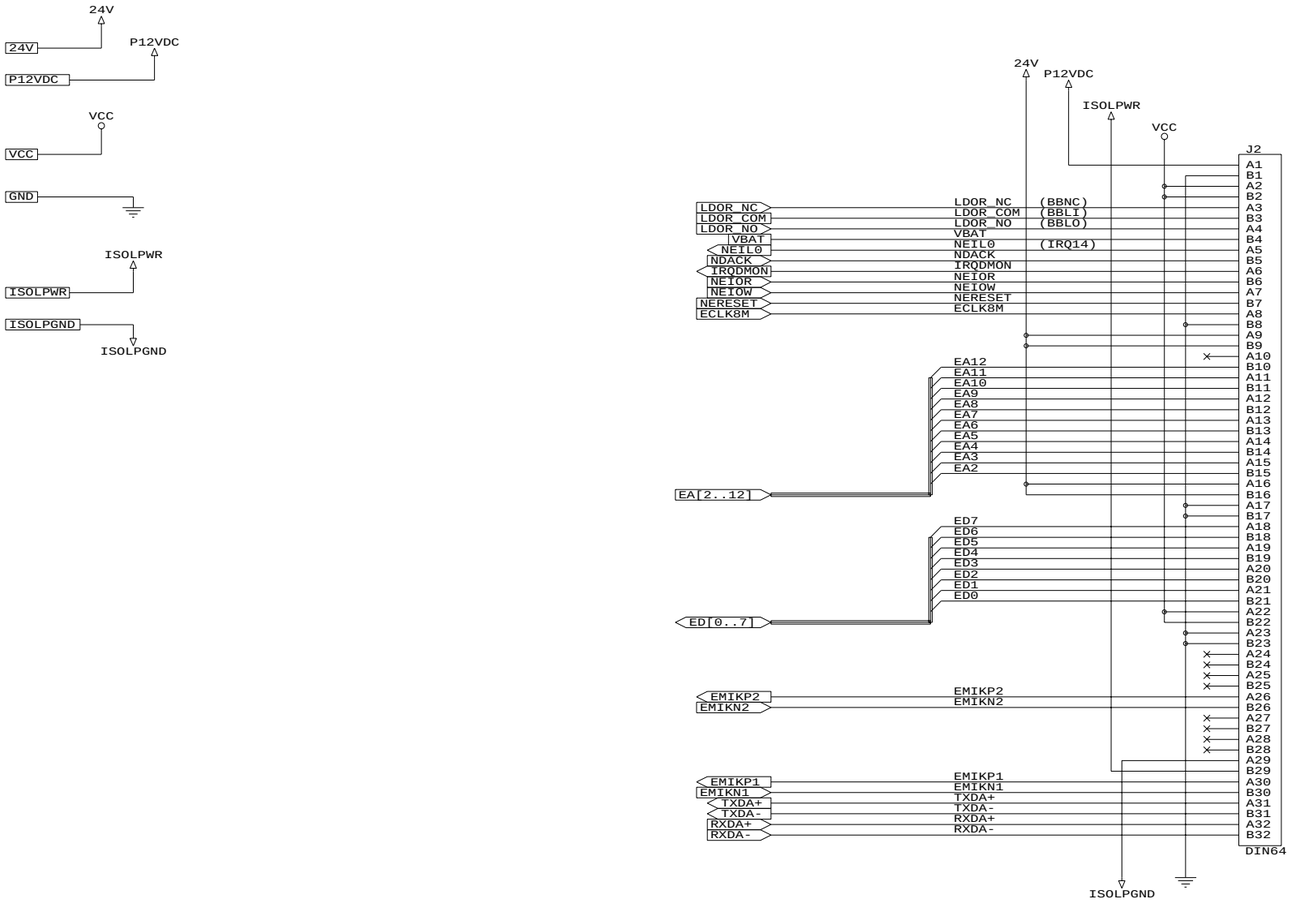
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE: CD-410351

JOB	MKV US POKER	DRAWING ISSUE A
ASSY	US BACKPLANE BOARD	PART NUMBER / ISS / REV
PART	J1 - DIN64 I/O DRIVER BOARD 01	25410351 A NA

J1.SCH



NOTE:
FOR ISOLATION, NO SOLDER PADS ON
PIN A24, B24, A25, B25, A27, B27, A28 & B28

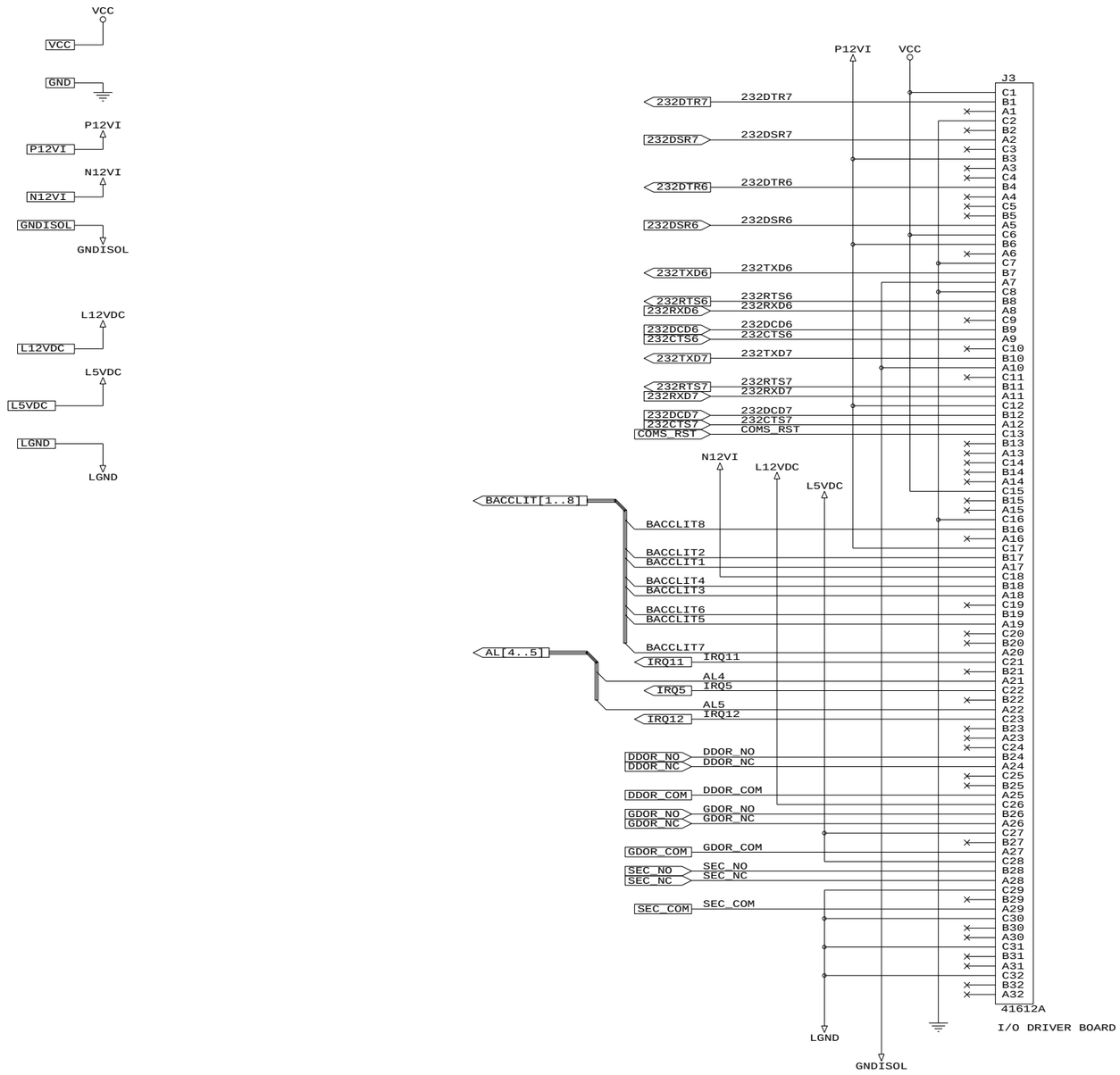
A	INTRODUCTION	30465772	BCJR	GE	17-10-96		
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

DRAWING REFERENCE: CD-410351

JOB	MKV US POKER	DRAWING ISSUE	A
ASSY	US BACKPLANE BOARD	PART NUMBER / ISS	REV
PART	J2 - DIN64 I/O DRIVER BOARD	01 2510351 A	NA

COPY DISTRIBUTION				SHEET	6	OF	8
QA QTY:		PROD ATE QTY:	1		ATS QTY:		
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"		TEST ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

J2.SCH

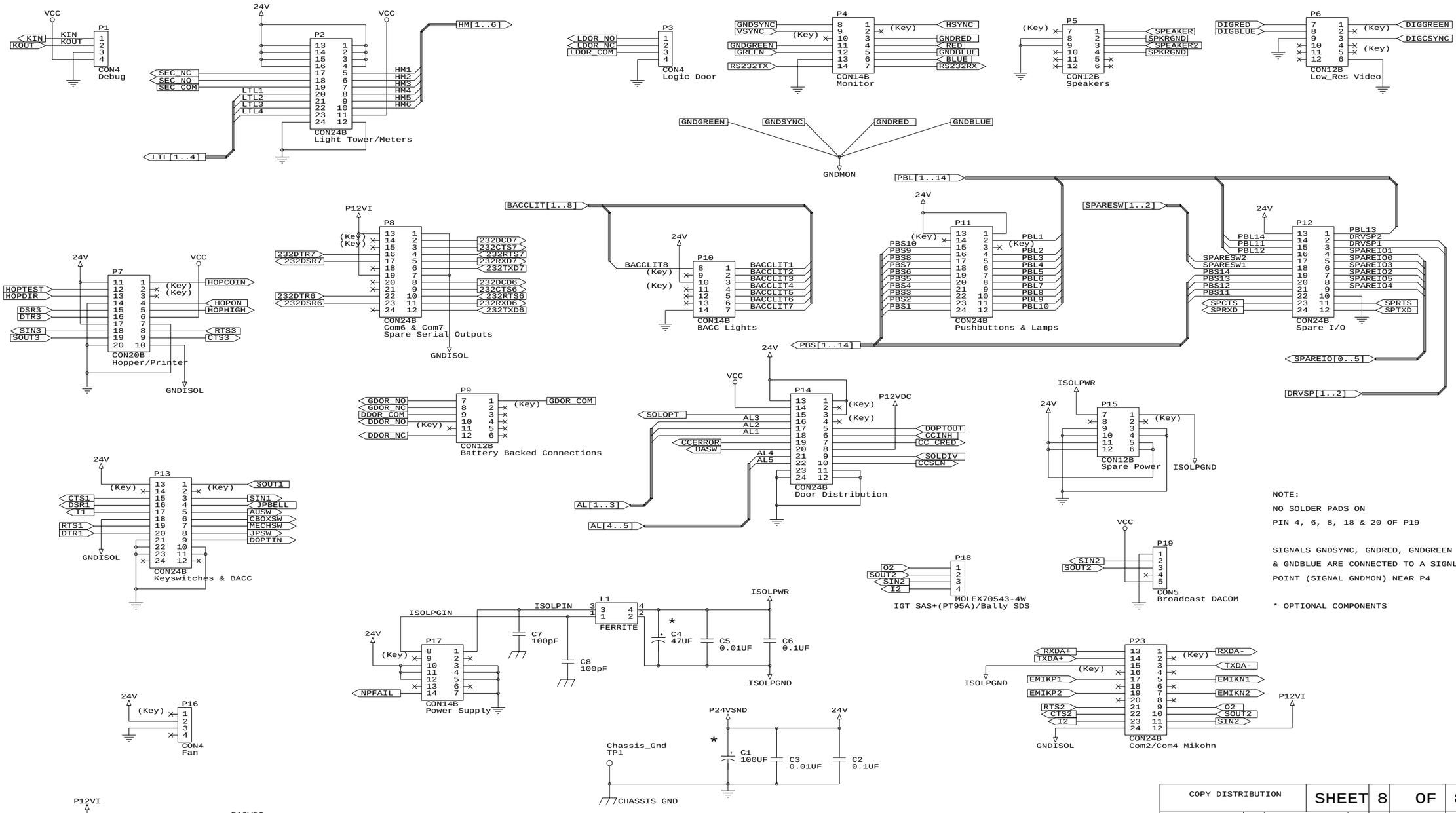


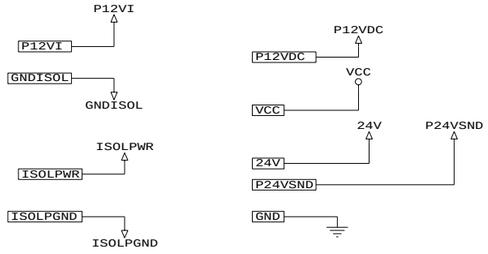
A	INTRODUCTION	3046	5772	BCJR	GE	17-10-96	
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE	

COPY DISTRIBUTION			SHEET	7	OF	8	
QA QTY:		PROD ATE QTY:	1		ATS QTY:	1	
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"		ENG QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

		DRAWING REFERENCE	
		CD-410351	
JOB	MKV US POKER	DRAWING ISSUE	A
ASSY	US BACKPLANE BOARD	PART NUMBER	ISS REV
PART	J3 - DIN96 I/O DRIVER BOARD 01	25410351	A NA

J3.SCH





A	INTRODUCTION	30465772	BCJR	GE	17.10.96	
ISS	DETAILS OF CHANGE	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION			SHEET	8	OF	8		
QA	QTY:		PROD ATE QTY:	1		ATS	QTY:	
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A2

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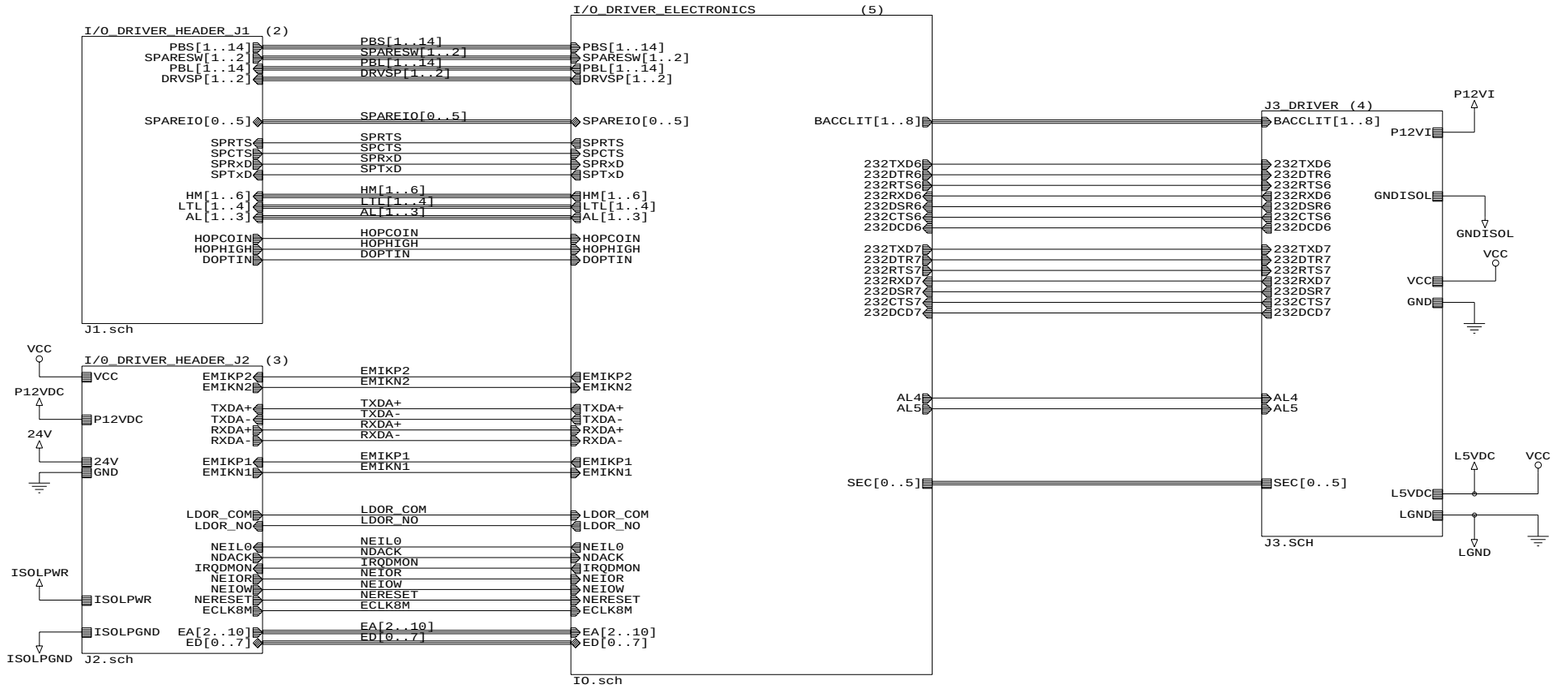
DRAWING REFERENCE
CD-410351

JOB	MKV US POKER	DRAWING ISSUE
ASSY	US BACKPLANE BOARD	PART NUMBER ISS REV
PART	BACKPLANE CONNECTORS	25 01 410351 A NA



COPY DISTRIBUTION			SHEET	1	OF	13	
QA QTY:	1	PROD QTY:	1		ATS QTY:	1	
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"		TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

410355c1.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7(page 9 & 12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/01/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Text added, sheets 12 & 13 changed	41923	7304	JR			12/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96

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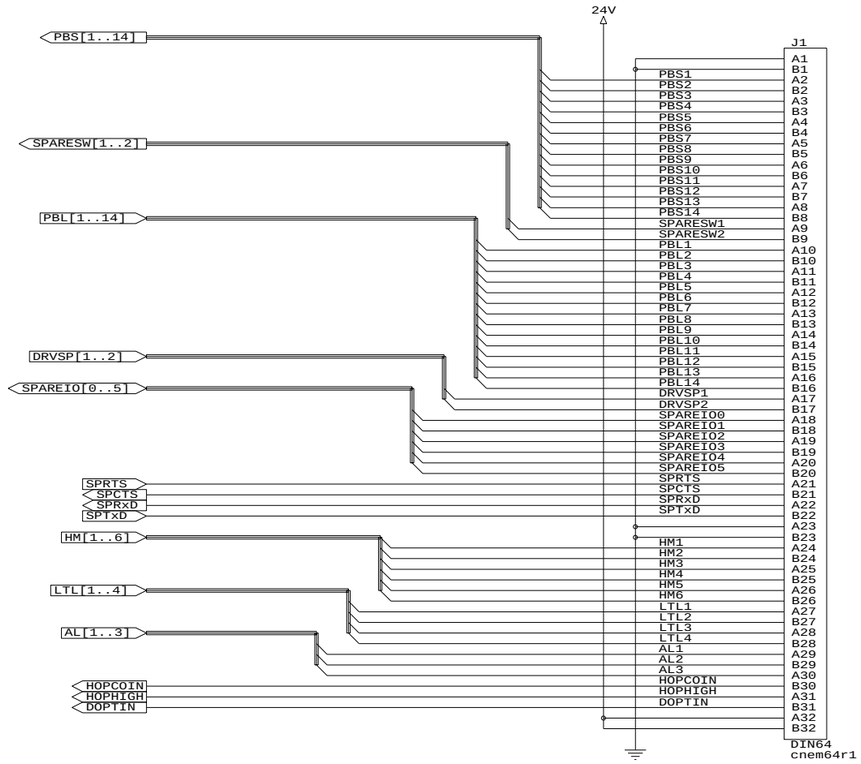
DRAWING REFERENCE
CD - 410355

		DRAWING ISSUE	E
JOB	MKV US POKER		
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS REV
PART	TOP LEVEL	25 01410355	B 1



COPY DISTRIBUTION		SHEET	2	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

j1.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed,R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block change only	41923	7304	JR			12/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96

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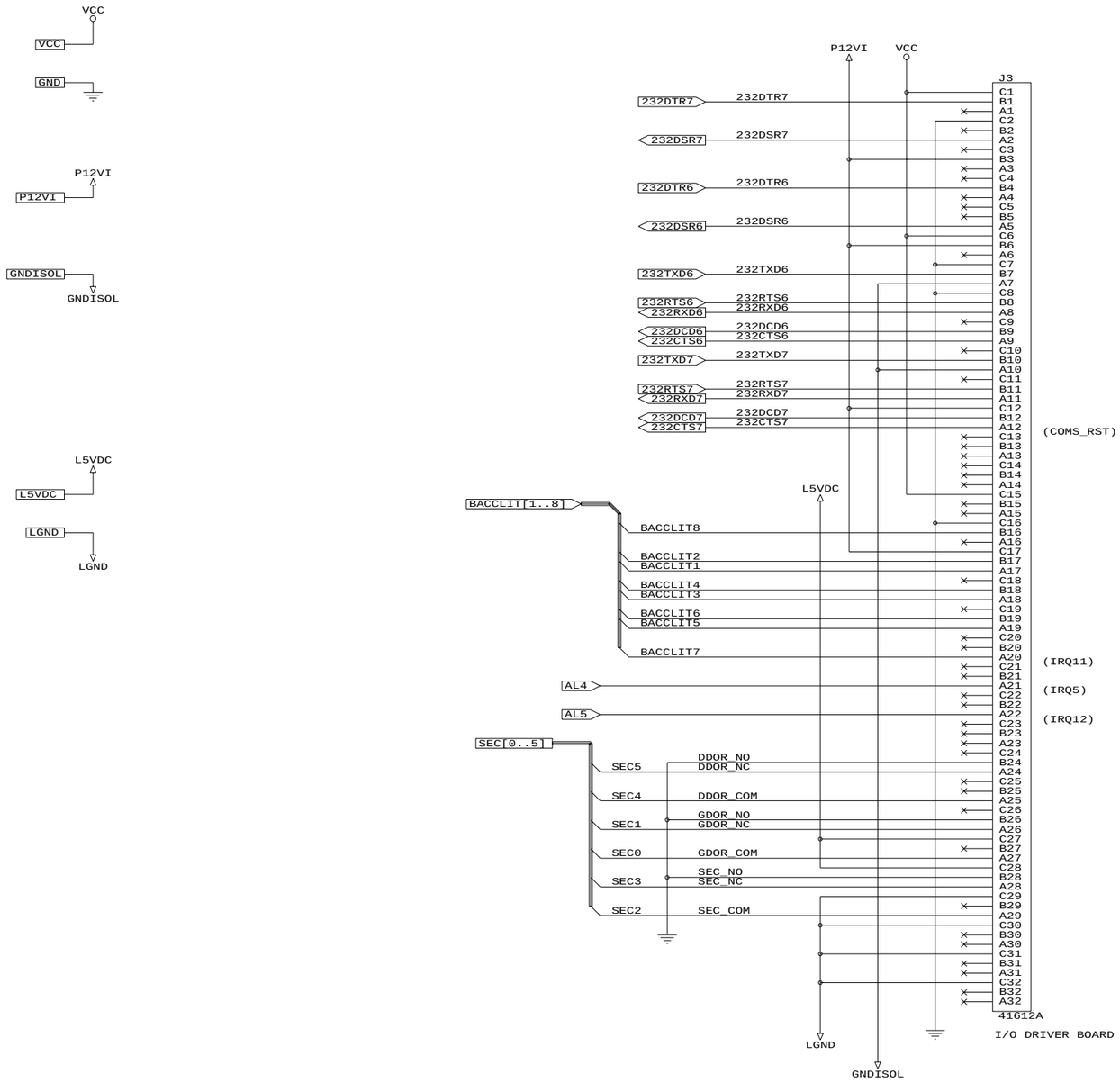
DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE		E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS	REV
PART	J1	25 01410355	B	1



COPY DISTRIBUTION		SHEET	4	OF	13		
QA QTY:	1	PROD QTY:	1		ATS QTY:	1	
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2		

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

j3.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added.	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			12/6/97
A	INTRODUCTION	3068	5762.2	RF			10/7/96

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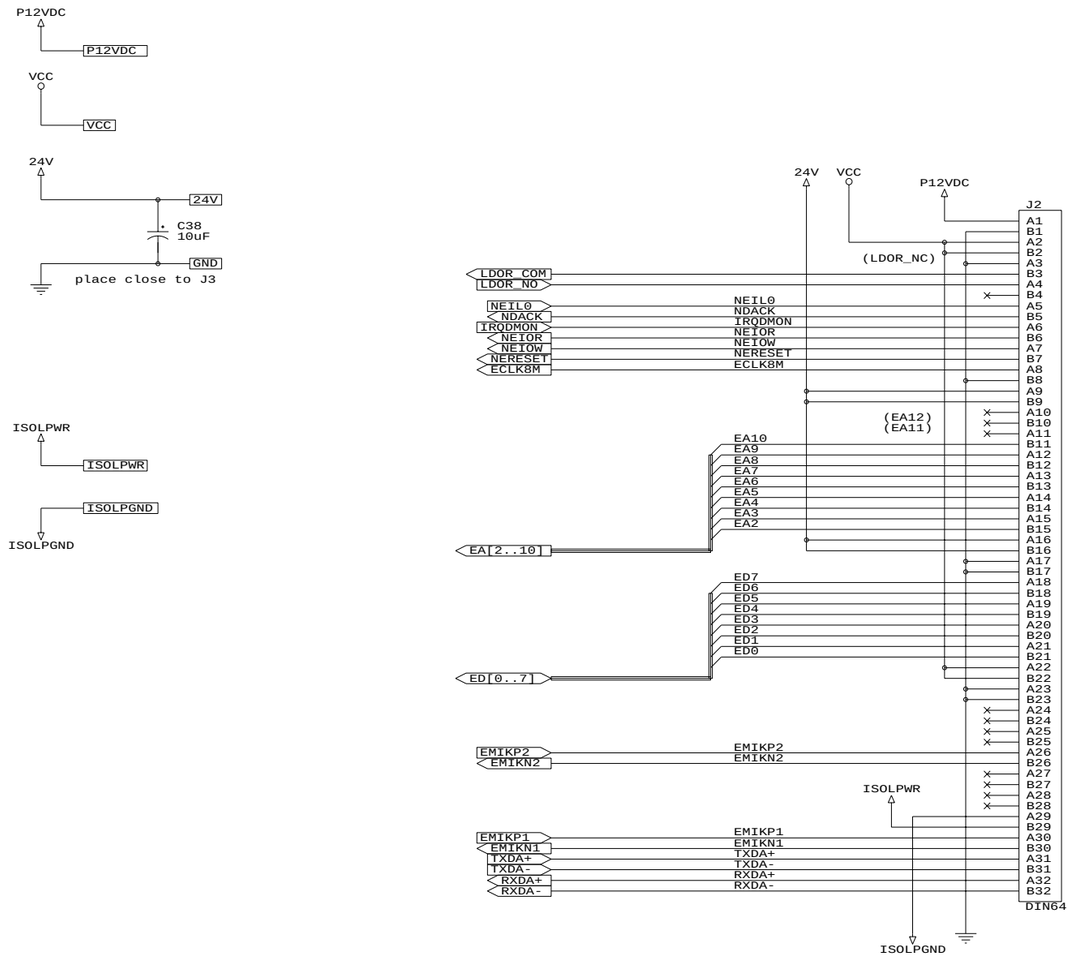
DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS	REV
PART	J3	25 01 410355 B	1



THE FOLLOWING PINS DO NOT INCLUDE PADS:
A24,B24,A25,B25,A27,B27,A28, AND B28

COPY DISTRIBUTION		SHEET	3	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

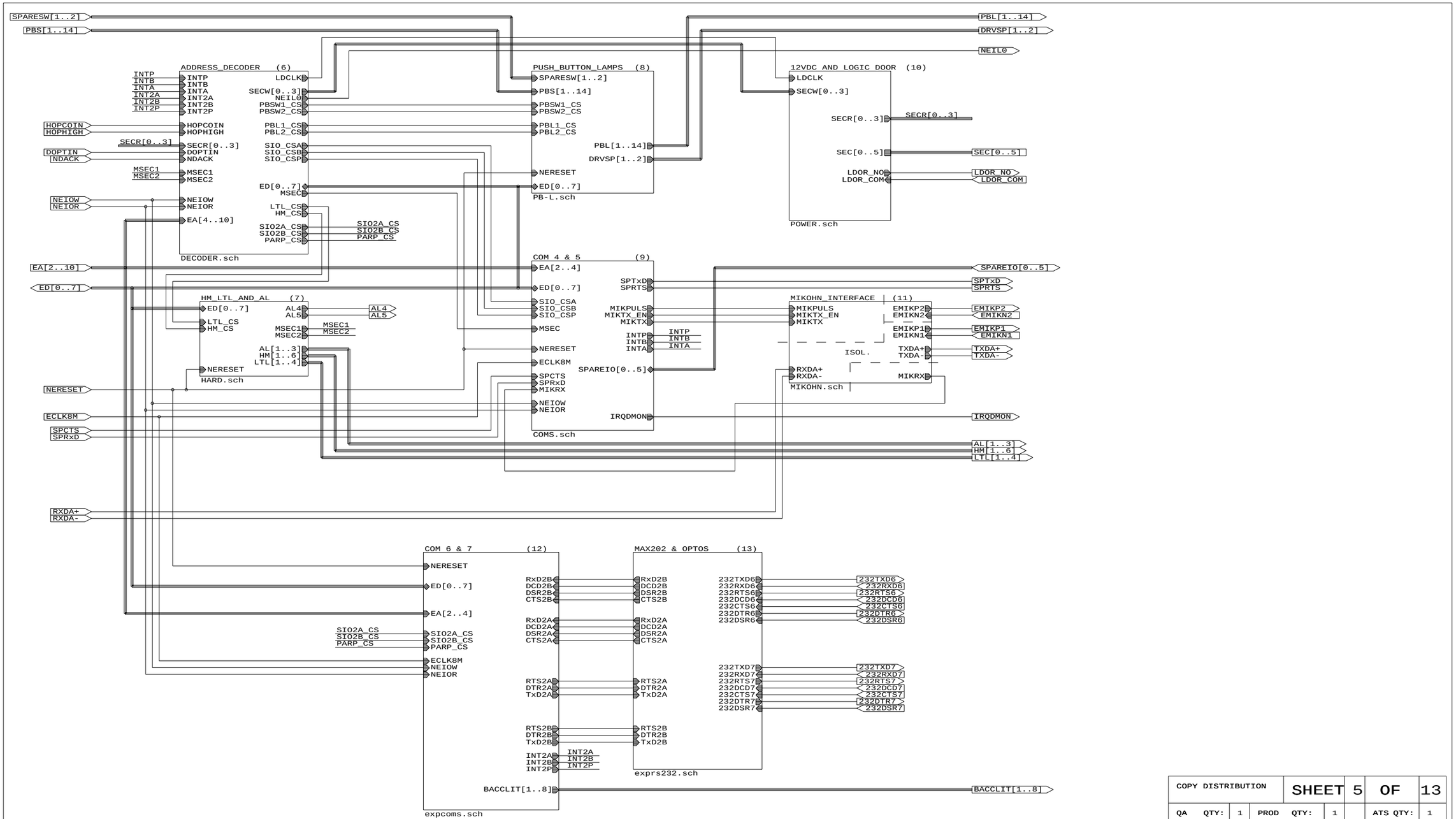
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

j2.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K TO 4K7 (page 9 &12) C142 deleted (page 6).	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1A replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block change only	41923	7304	JR			12/6/97
A	INTRODUCTION	3068	5762.2	RF			10/7/96

DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS REV
PART	J2	25 01410355	B 1



E	R177,R178,R179,R181,R182 & R183 changed from 100K TO 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Added text	41923	7304	JR			12/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

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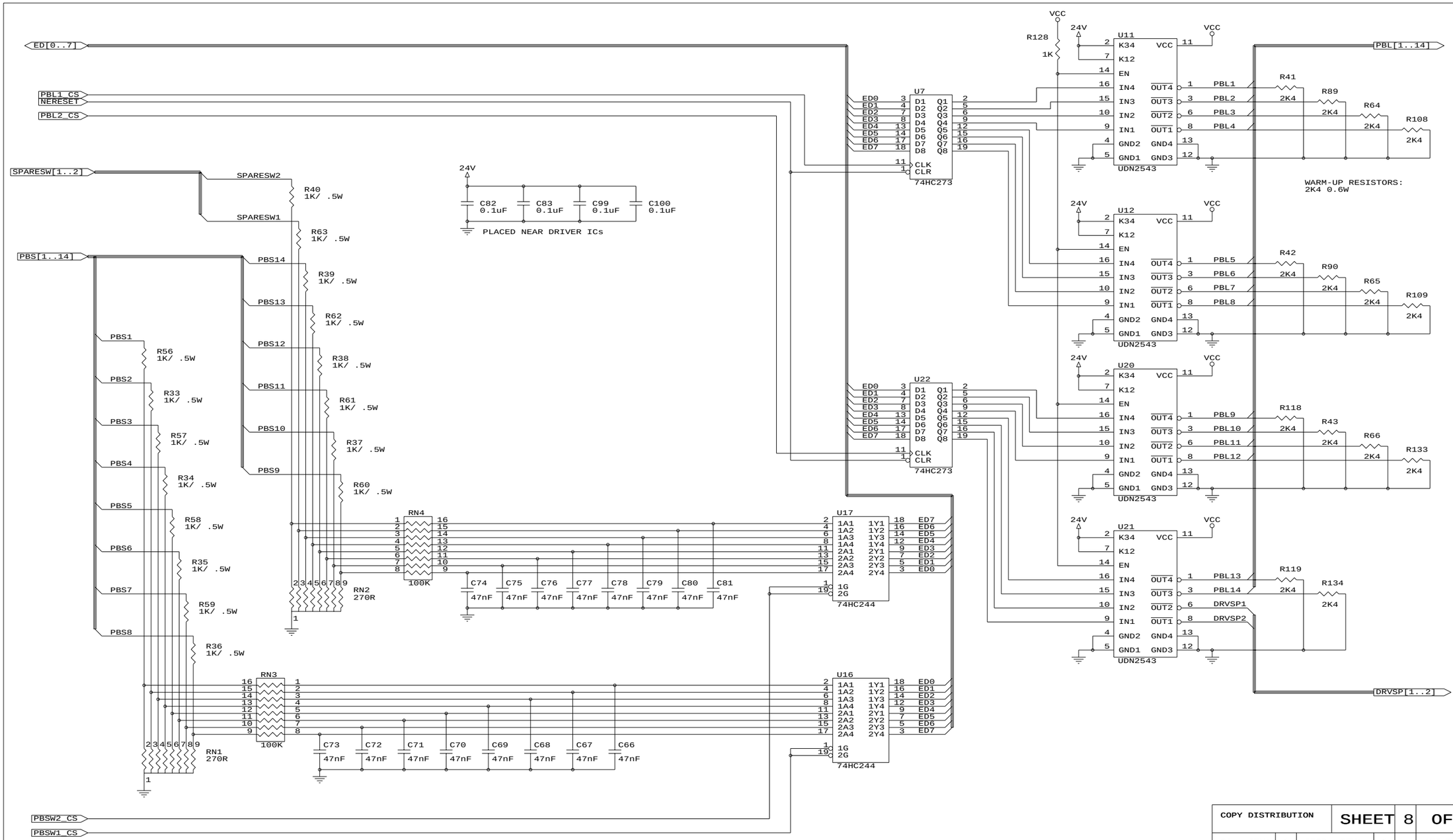
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

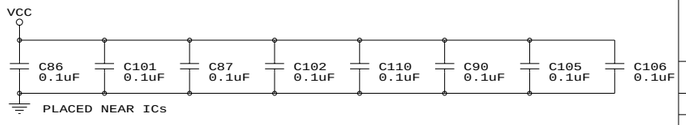
DRAWING REFERENCE: CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS / REV	
PART	BLOCK DIAGRAM	25 01410355	B 1

COPY DISTRIBUTION		SHEET 5 OF 13			
QA QTY: 1	PROD QTY: 1		ATS QTY: 1		
TEST QTY: 1	LIBRARY QTY: 1	DRAWING SIZE A2			

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"





COPY DISTRIBUTION			SHEET	8	OF	13
QA QTY:	1	PROD QTY:	1		ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE		A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

pb-l.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			12/6/97
A	INTRODUCTION	3068	5762.2	RF			10/7/96

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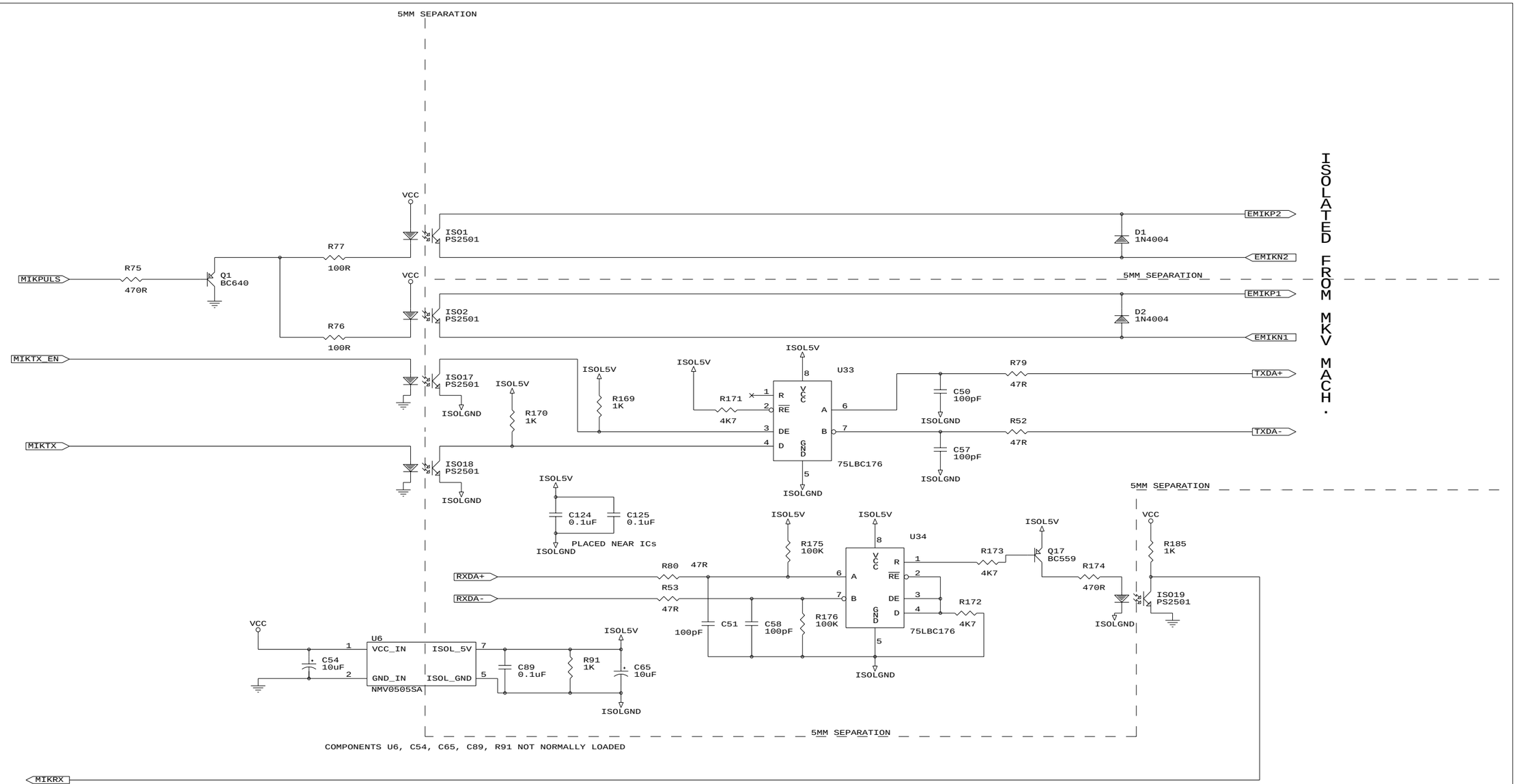
DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS REV
PART	PUSH BUTTONS, LAMPS	25 01410355	B 1



E	R177,R178,R179,R181,R182 & R183 changed from 100K TO 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			13/6/97
A	INTRODUCTION	3068	5762.2	RF			10/7/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

mikohn.sch

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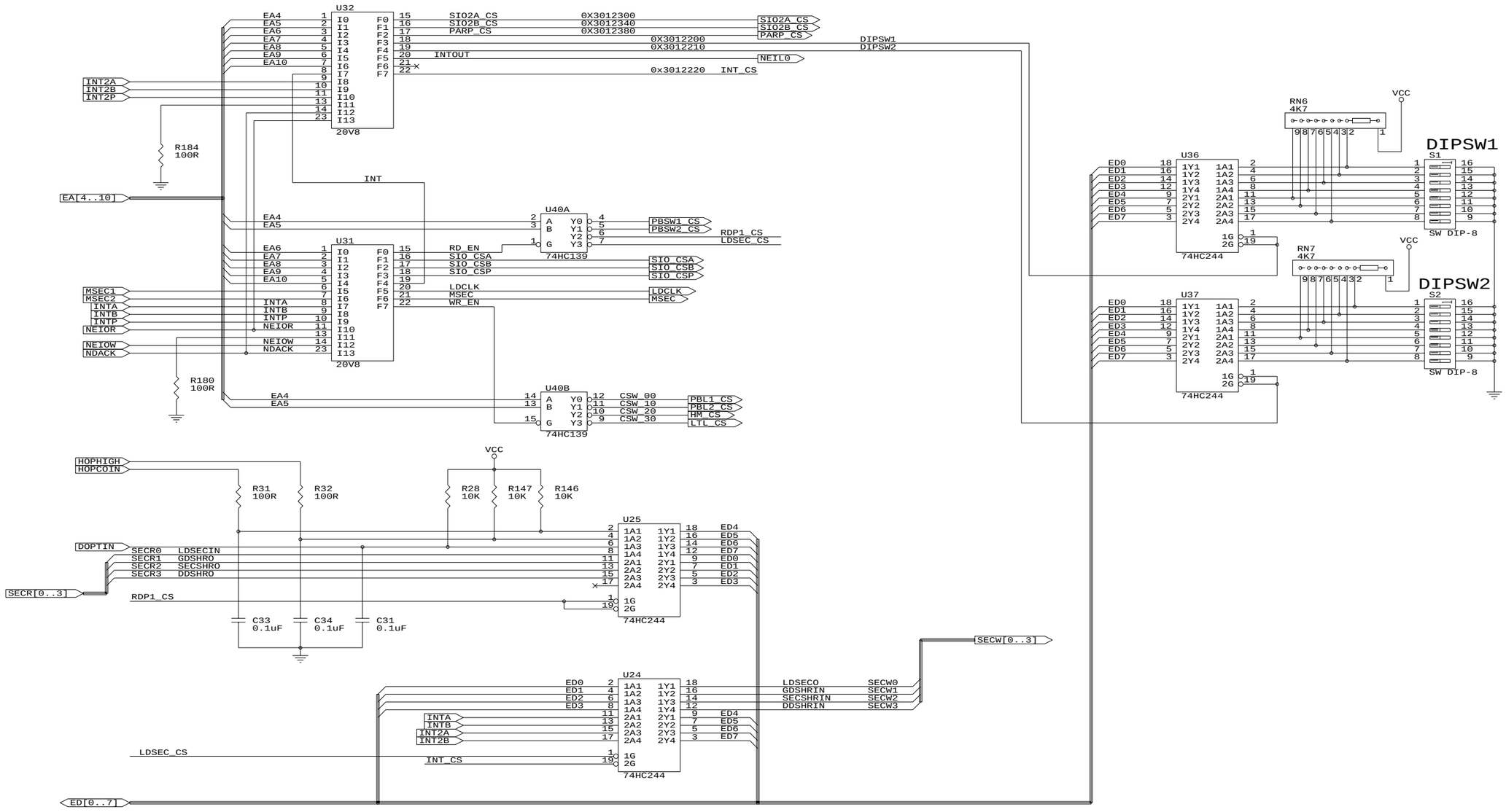
JOB	MKV US POKER
ASSY	EXTENDED US I/O DRIVER BOARD
PART	MIKOHN

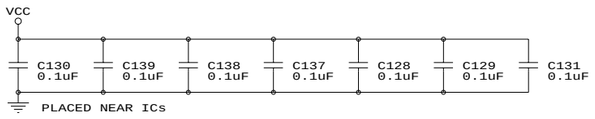
DRAWING REFERENCE: CD - 410355

DRAWING ISSUE: E

PART NUMBER: 25 01410355 ISS: B REV: 1

COPY DISTRIBUTION		SHEET	11	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2





decoder.sch

E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed, C1A added	41923	7304	RF			29/9/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

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DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS / REV	
PART	DECODER LOGIC	25 01410355	B 1

COPY DISTRIBUTION		SHEET	6	OF	13	
QA QTY:	1	PROD QTY:	1		ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2

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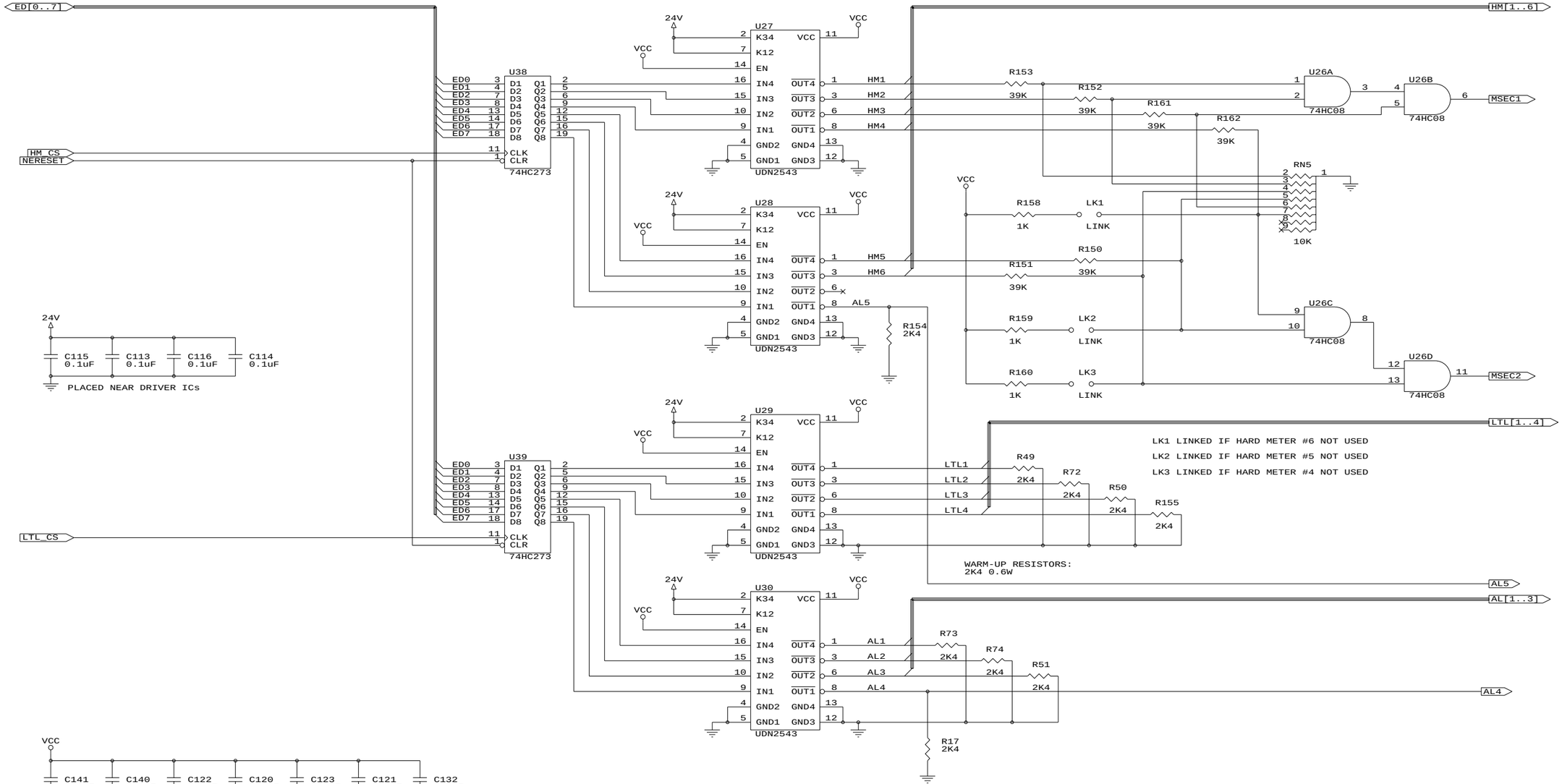

COPY DISTRIBUTION					SHEET	7	OF 13
QA QTY: 1	PROD QTY: 1		ATS QTY: 1				
TEST QTY: 1	LIBRARY QTY: 1		DRAWING SIZE A2				

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

hard.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 Changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			12/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96

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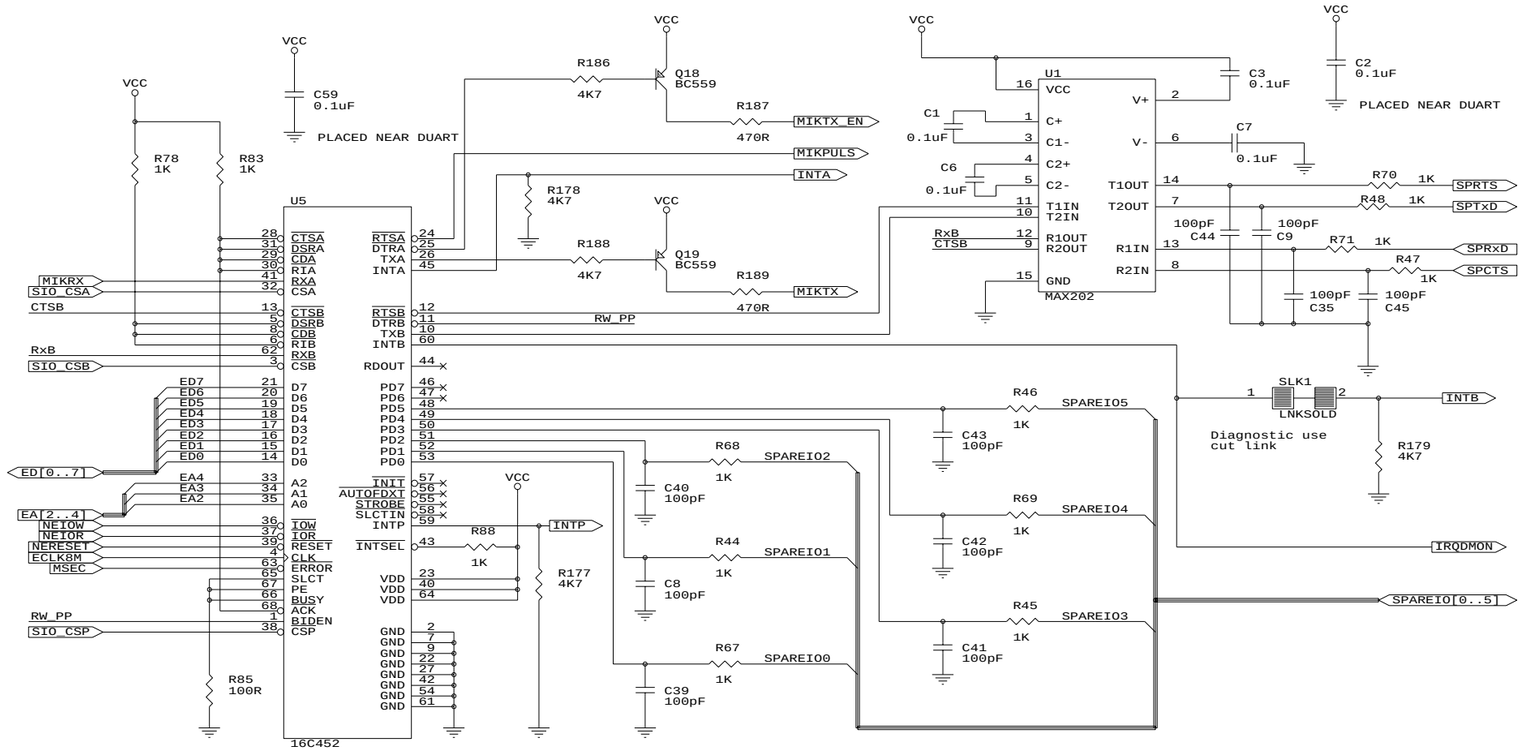
DRAWING REFERENCE
CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS / REV	
PART	HARD METERS, LAMPS	25 01410355	B 1



COPY DISTRIBUTION		SHEET	9	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

coms.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			12/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96

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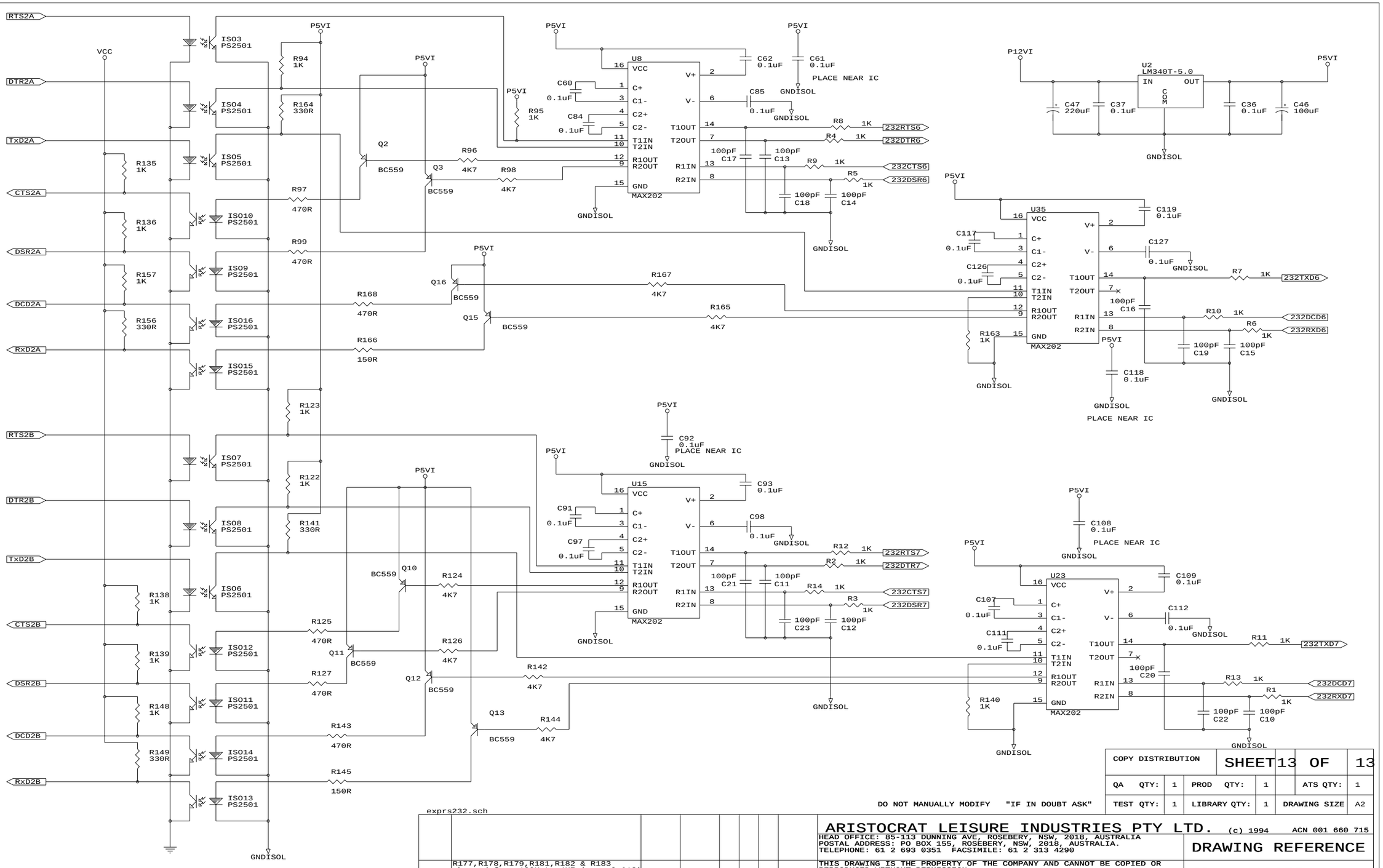
DRAWING REFERENCE: CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS / REV	
PART	COMM PORTS 4 & 5	25 01 410355	B 1



	exprs232.sch						
E	R177,R178,R179,R181,R182 & R183 changed fron 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	R141,145,149,156,164,166 changed	41923	7304	JR			20/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

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TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

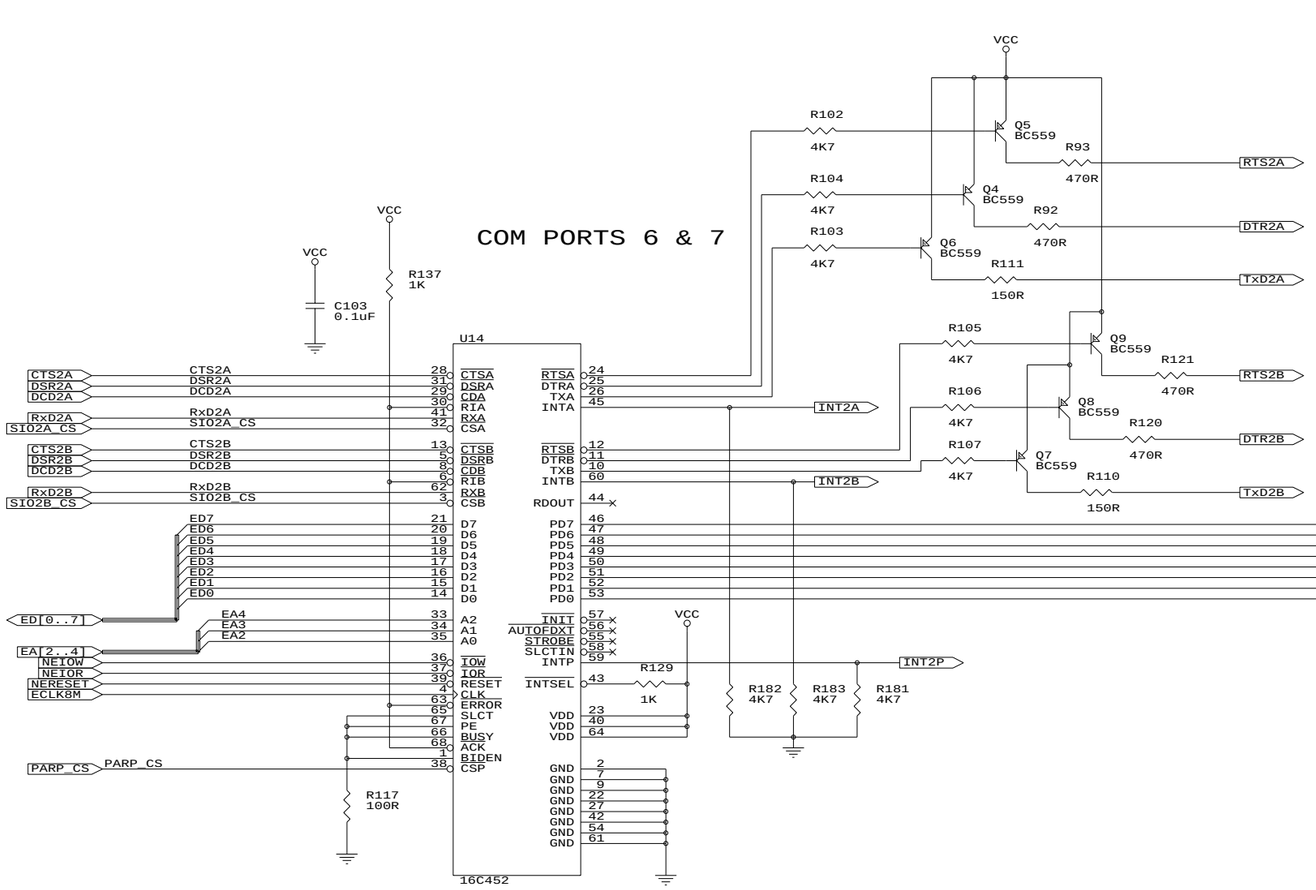
DRAWING REFERENCE: CD - 410355

JOB	MKV US POKER	DRAWING ISSUE	E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER / ISS / REV	
PART	COM6 & 7 DRIVER & OPTOISOL	25 01410355	B 1

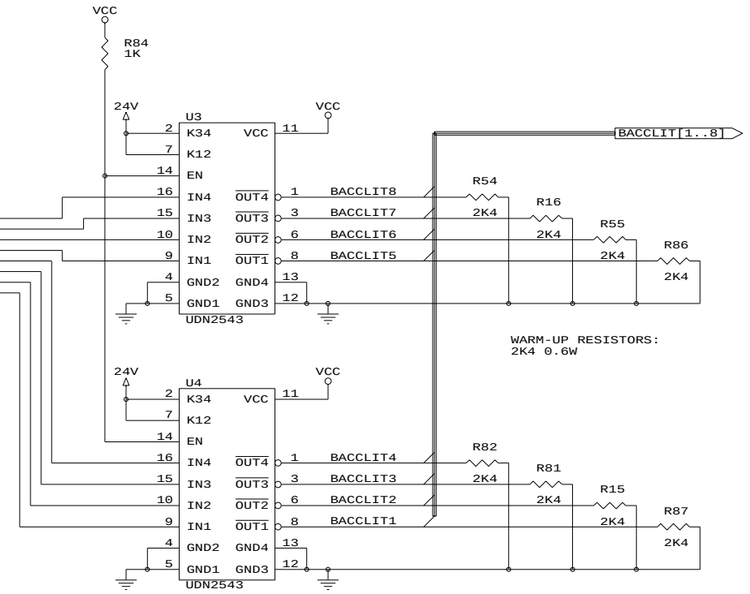
COPY DISTRIBUTION		SHEET 13 OF		13	
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

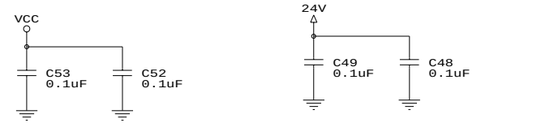
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

COM PORTS 6 & 7



BACC LIGHTS





COPY DISTRIBUTION		SHEET	12	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

expcoms.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7 (page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	R110, R111 changed from 470R to 150R	41923	7304	JR			20/6/97
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96

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HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
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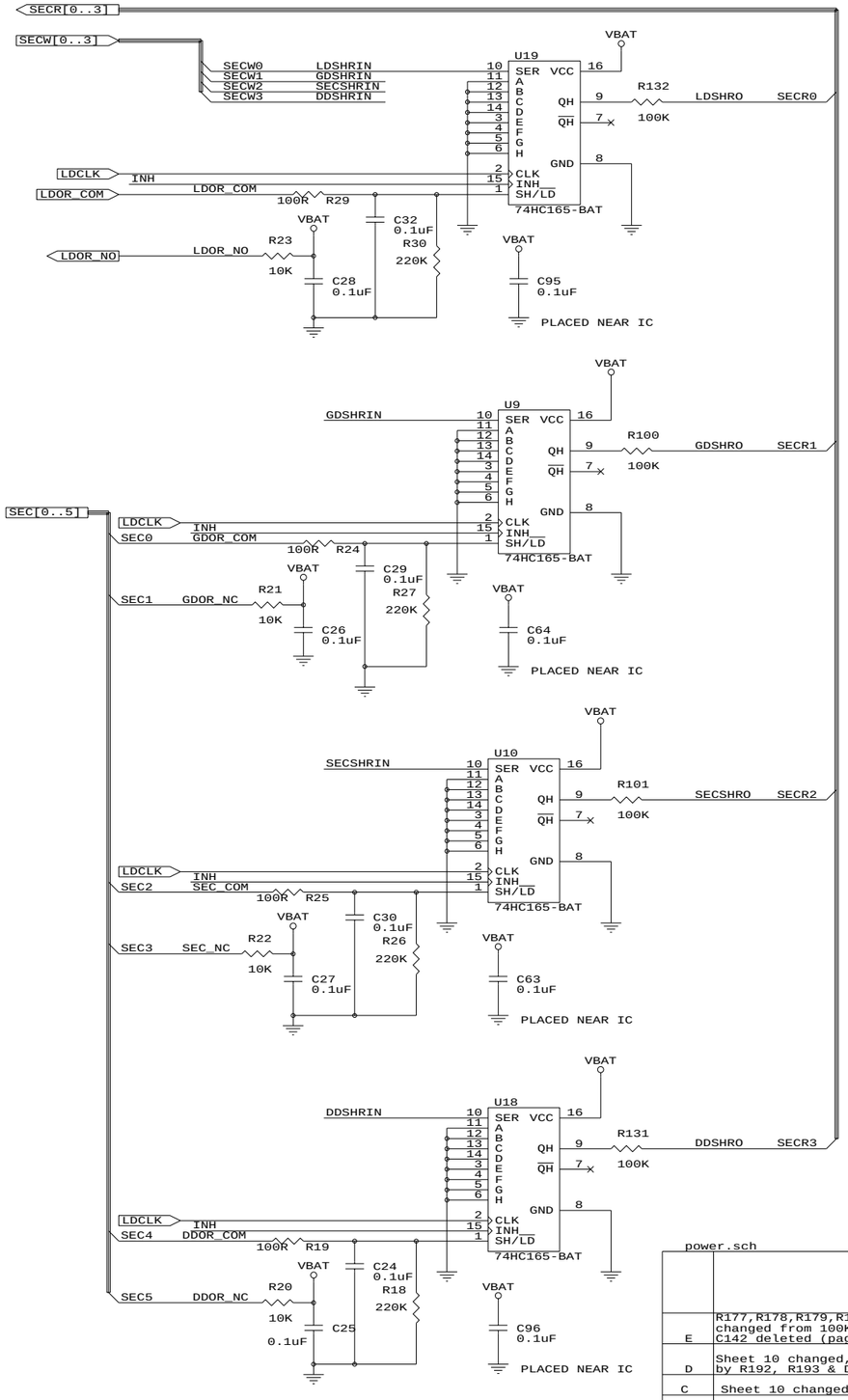
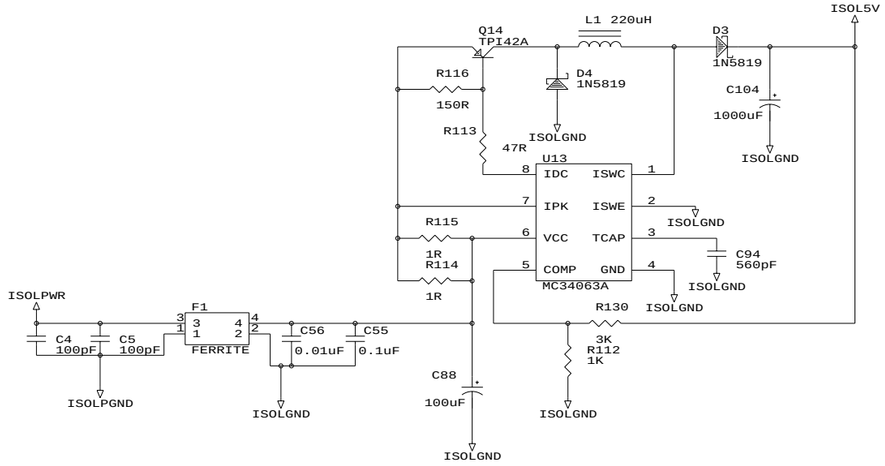
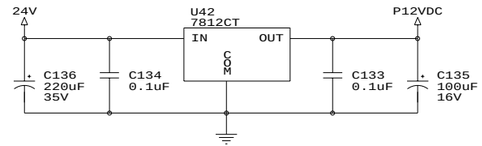
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE
CD - 410355

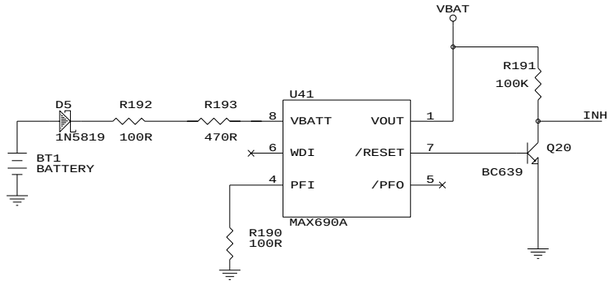
JOB	MKV US POKER	DRAWING ISSUE		E	
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS	REV	
PART	COMM PORTS 6 & 7	25	01410355	B	1







INCLUDES HEATSINK



COPY DISTRIBUTION		SHEET	10	OF	13
QA QTY:	1	PROD QTY:	1	ATS QTY:	1
TEST QTY:	1	LIBRARY QTY:	1	DRAWING SIZE	A2

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

power.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
E	R177,R178,R179,R181,R182 & R183 changed from 100K to 4K7(page 9 &12) C142 deleted (page 6)	000301	11090	JS	RR	JR	23/1/01
D	Sheet 10 changed, R1a & D1a replaced by R192, R193 & D5. C142 added	41923	8988	CC	CC	TP	22/6/99
C	Sheet 10 changed, R1a & D1a added	41923	9036	AA			26/8/98
B	Title block changed	41923	7304	JR			13/6/97
A	INTRODUCTION	3068	5762.2	RF			10/7/96

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1997 ACN 001 660 715

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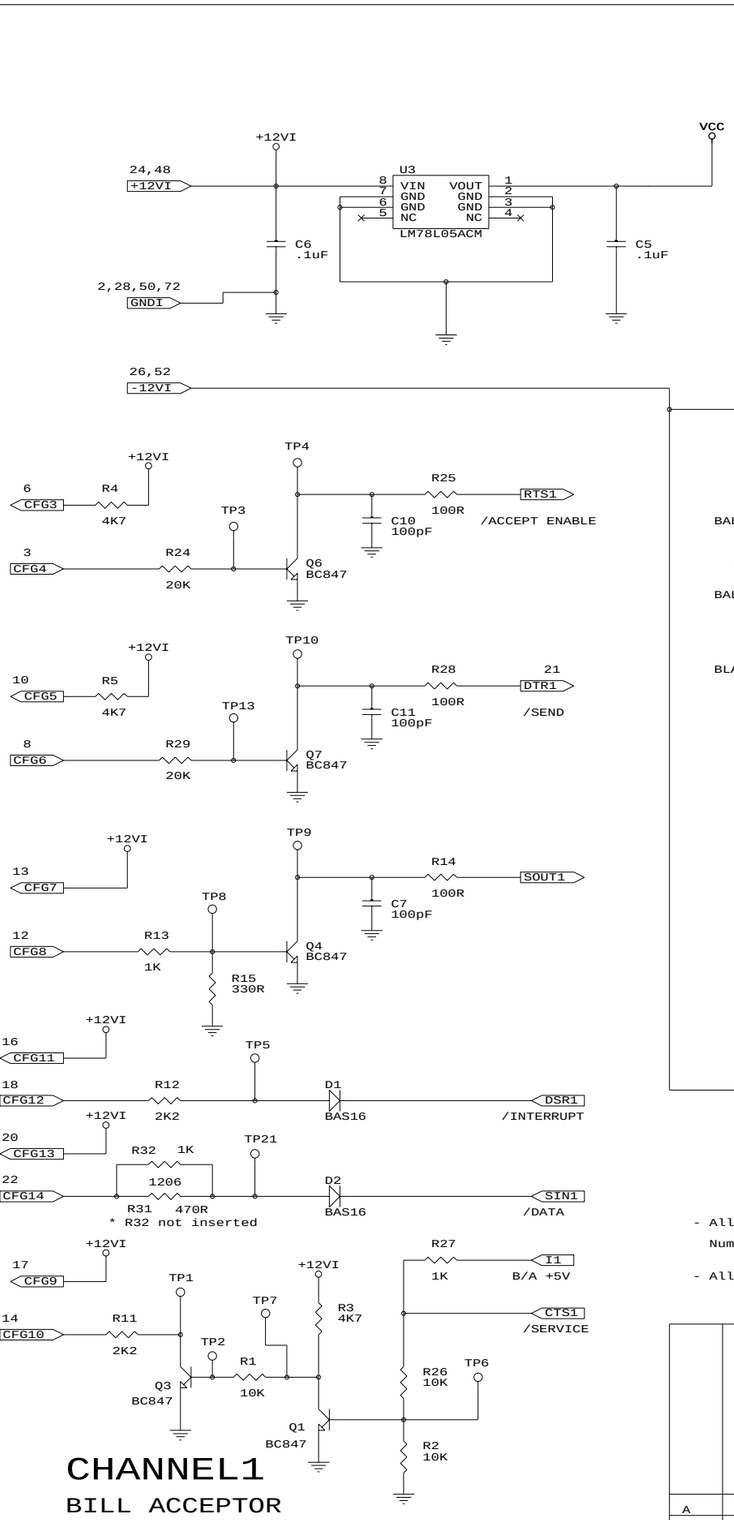
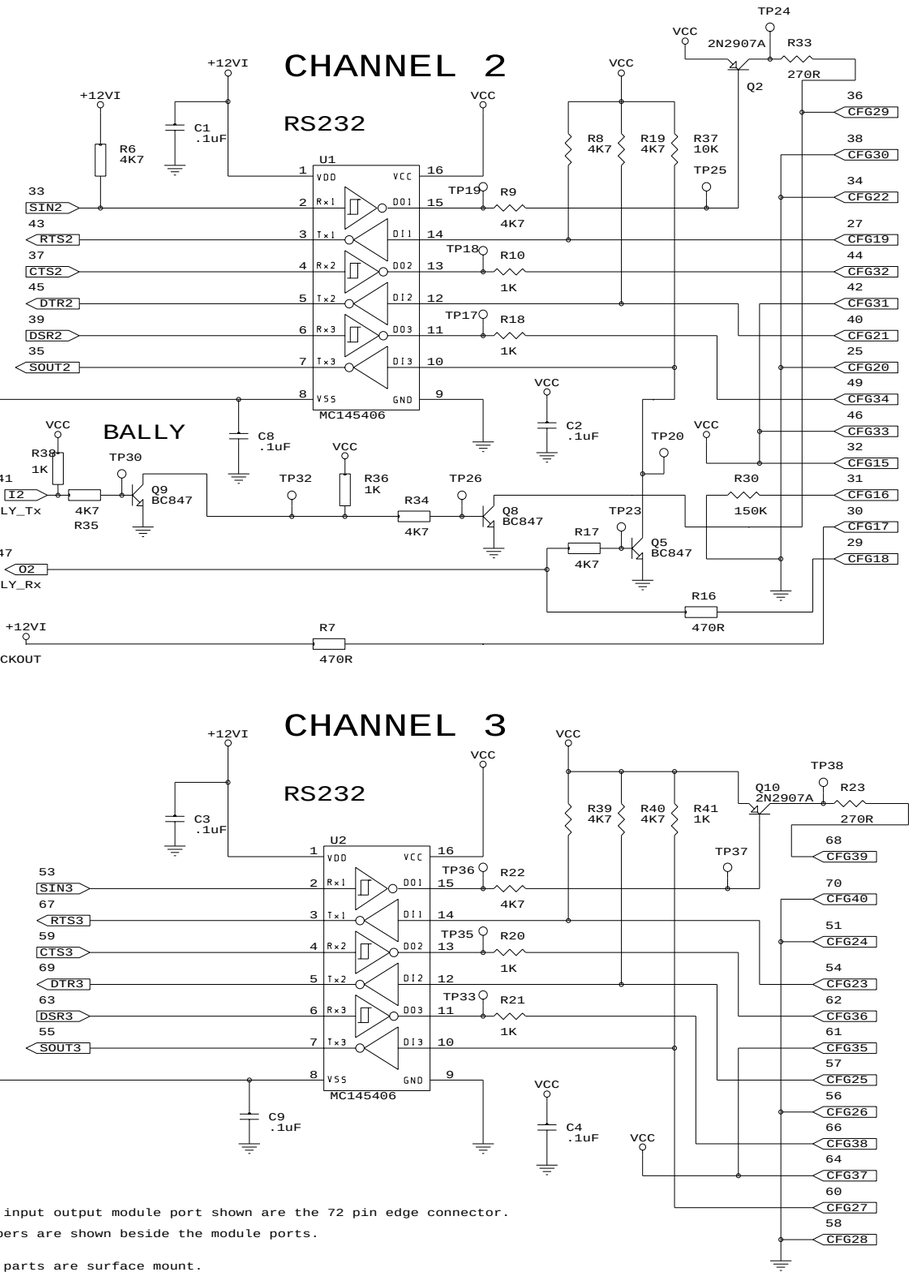
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

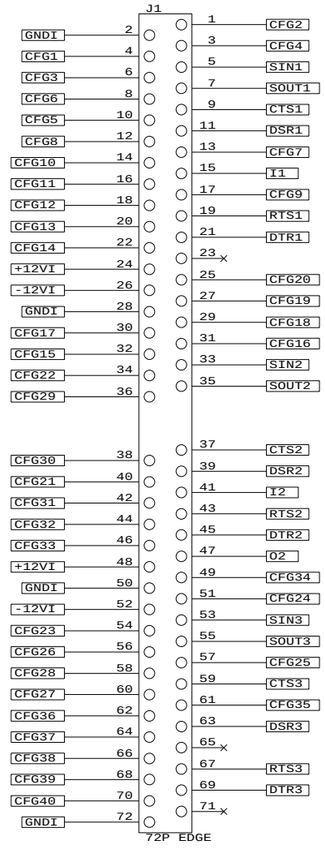
DRAWING REFERENCE

CD - 410355

JOB	MKV US POKER	DRAWING ISSUE		E
ASSY	EXTENDED US I/O DRIVER BOARD	PART NUMBER	ISS	REV
PART	POWER SUPPLY, DOOR SECURITY	25 01410355	B	1







Edge connector for 72 pin SIMM socket.

Polarization key must be located left side from the component side view.

Pin 1 starts from the polarization key.

- All input output module port shown are the 72 pin edge connector. Numbers are shown beside the module ports.
- All parts are surface mount.

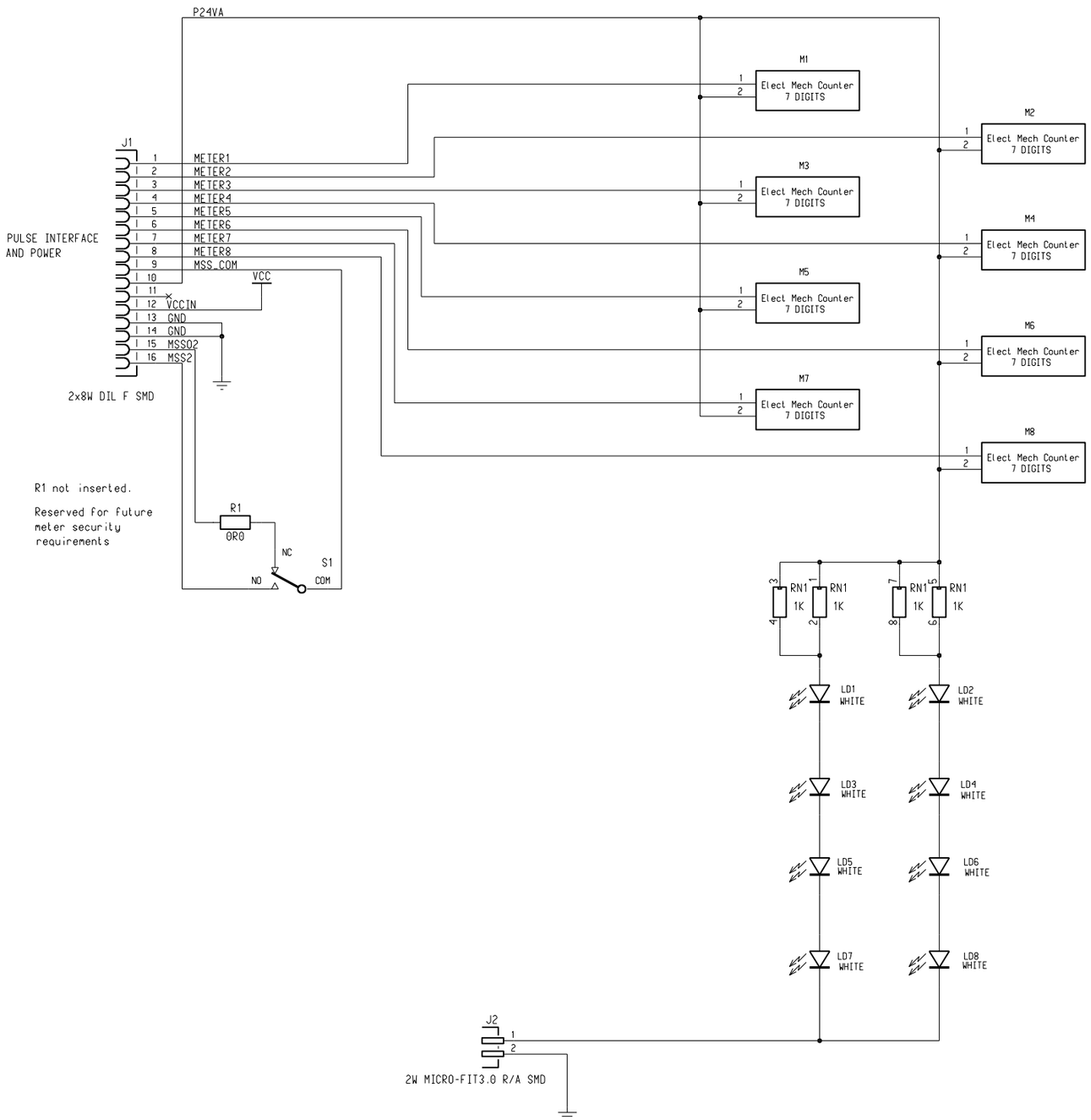
DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

A	INTRODUCTION	3046	4814.2	LFS			22/5/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

COPY DISTRIBUTION			SHEET	1	OF	1	
QA QTY:	1	PROD ATE QTY:	1		ATS QTY:	1	
TEST ENG QTY:	1	LIBRARY QTY:	1		DRAWING SIZE	A2	

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1995 ACN 001 660 715
HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA
POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

DRAWING REFERENCE					
CD-410291					
JOB	MKV PROJECT	DRAWING ISSUE	A		
ASSY	COMMS CONFIGURATION BOARD	PART NUMBER	ISS	REV	
PART	BACC/BALLY-RS232/232	2501	410291	A	N/A



CD-410510 SHEET 1 OF 1

CD-410510 SHEET 1 OF 1

DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE
A	INTRODUCTION	45788	10401	BR	GK	LS	JH	04/05/00

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED — A3

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TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340

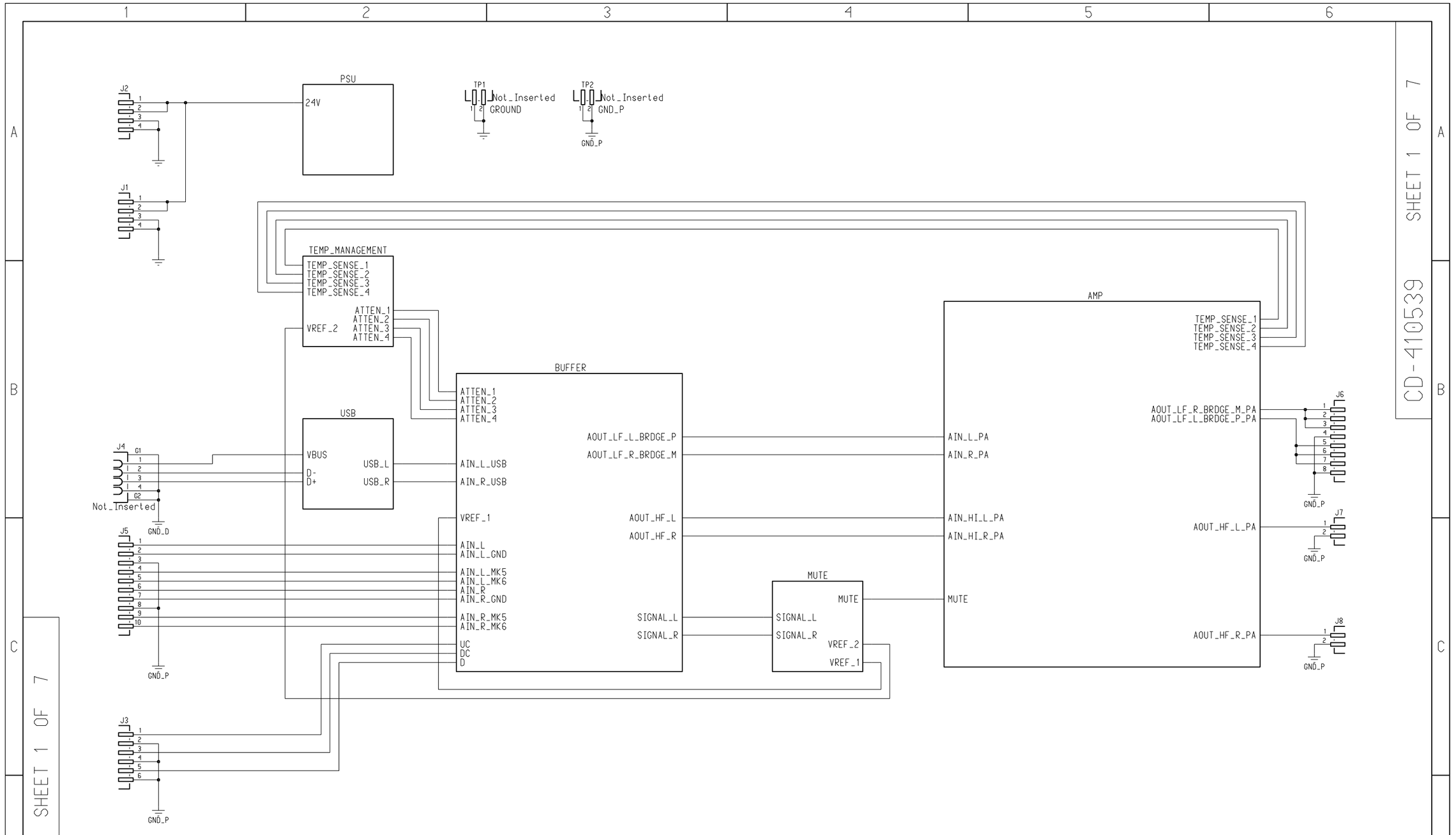
DRAWING ISSUE: A
SCALE: NTS | TOL:- SEE DRAWING
DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT: METER BOARDS
PART: HARD METER BOARD (HMB)
DRG.: CIRCUIT DIAGRAM TOP LEVEL

PART NUMBER: **2501-410510** | ISS.: A | REV.: N/A

FILENAME: $EHM/410510/schematic/sheet1

PRINTED: 28/02/2001



CD-410539 SHEET 1 OF 7

DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson				10/04/2001
A	INTRODUCTION	000444	0000145	stylli				09/10/2000

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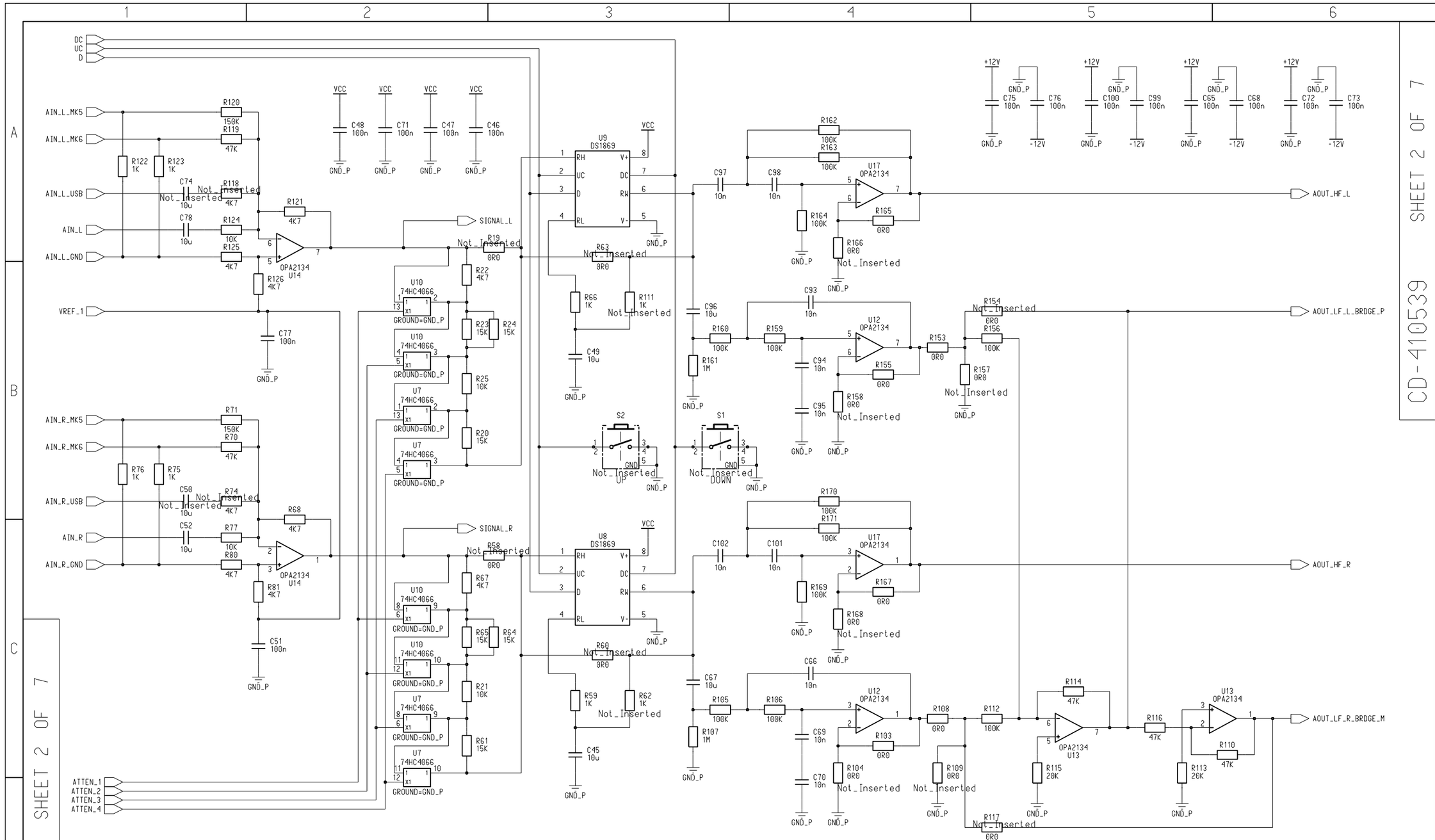
DRAWING ISSUE B01
SCALE NTS
TOL:- SEE DRAWING
DIMENSIONS IN MILLIMETERS
DRAWING GENERATED IN MENTOR

PRODUCT AUDIO
PART 50W AUDIO AMPLIFIER
DRG. CIRCUIT DIAGRAM TOP LEVEL

PART NUMBER	ISS.	REV.
2501-410539	B01	N/A

FILENAME: $AUDIO_AMP/410539/schematic/sheet1

PRINTED: 16/05/2001



CD-410539 SHEET 2 OF 7

ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson				10/04/2001
A	INTRODUCTION	000444	0000145	stylli				09/11/2000

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DRAWING ISSUE B01

SCALE NTS | TOL:- SEE DRAWING

DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT AUDIO

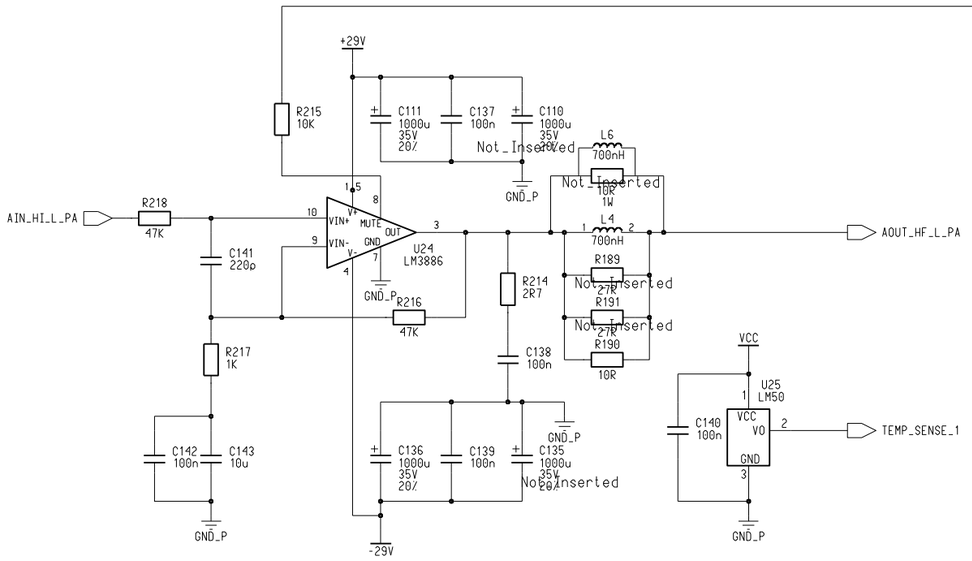
PART 50W AUDIO AMPLIFIER

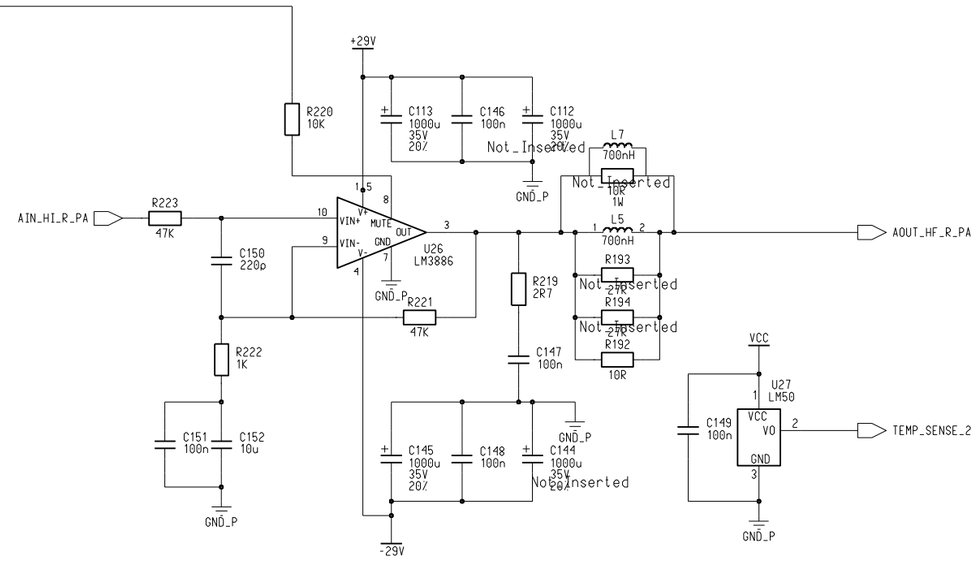
DRG. CIRCUIT DIAGRAM AUDIO BUFFER

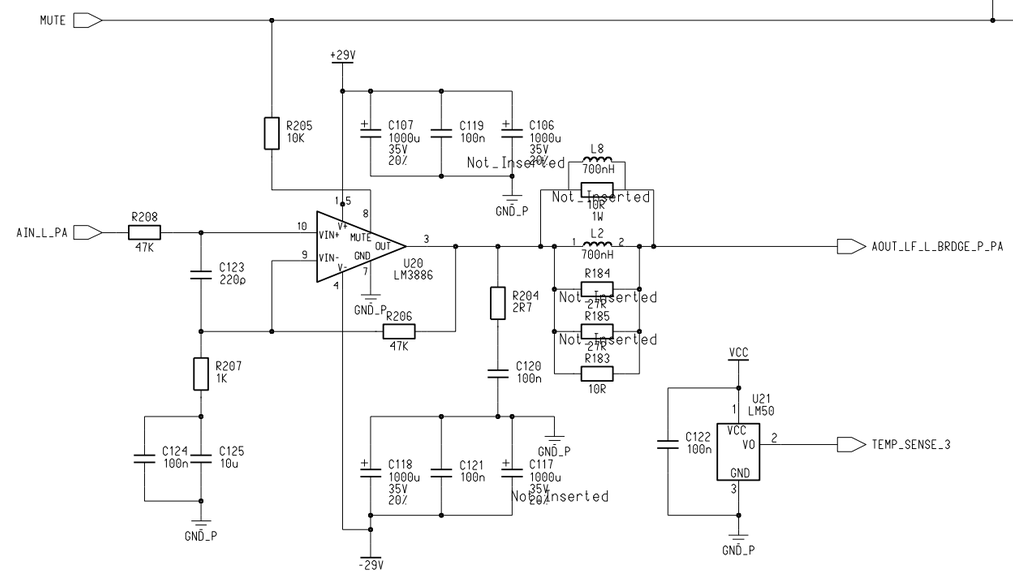
PART NUMBER	ISS.	REV.
2501-410539	B01	N/A

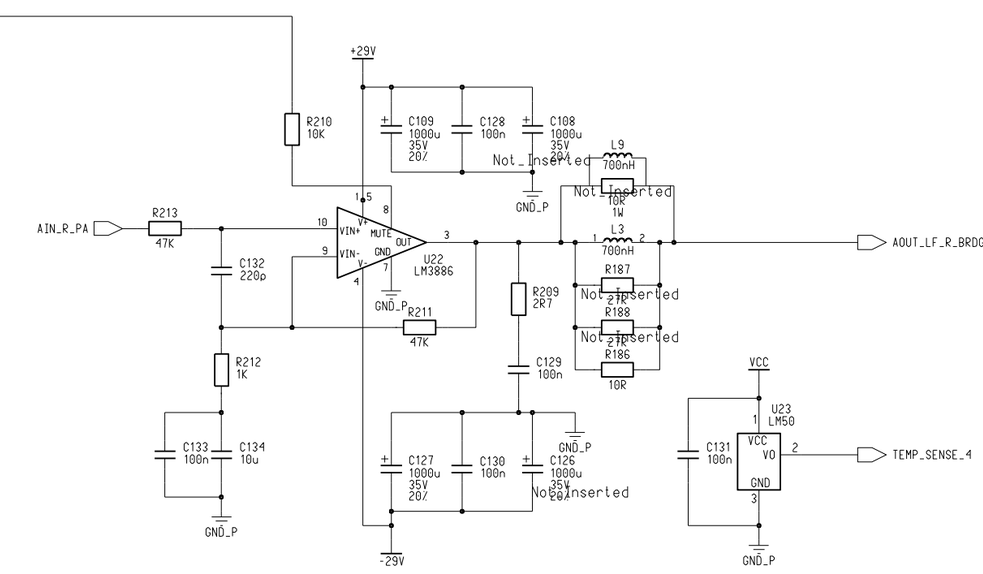
FILENAME: $AUDIO_AMP/410539/buffer/schematic/sheet1

PRINTED: 16/05/2001









CD-410539 SHEET 3 OF 7

B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson				10/04/2001
A	INTRODUCTION	000444	0000145	stylli				17/10/2000
DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE

ARISTOCRAT
ABN 2200 166 0715

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WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
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TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340

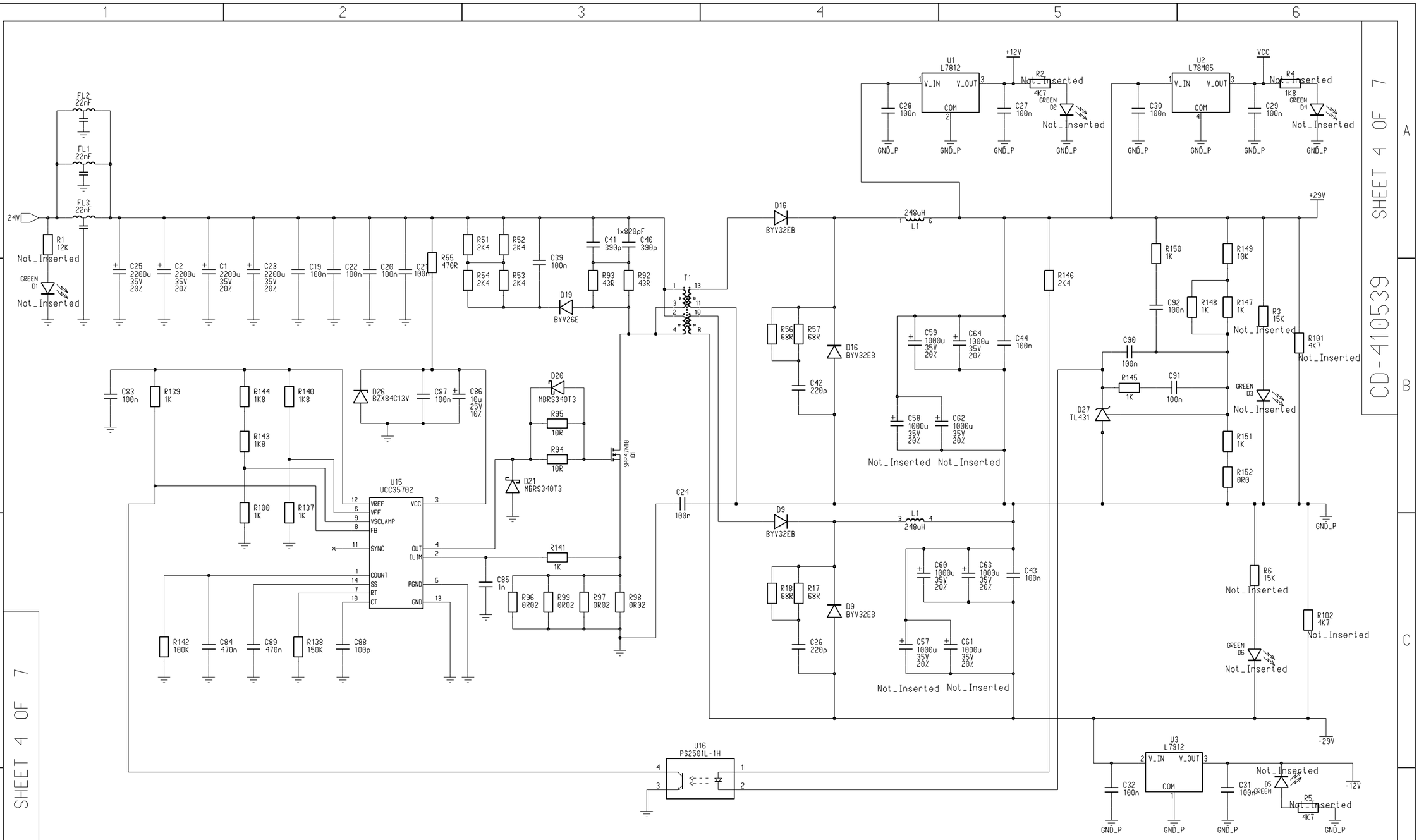
DRAWING ISSUE	B01
SCALE NTS	TOL:- SEE DRAWING
DIMENSIONS IN MILLIMETERS	DRAWING GENERATED IN MENTOR

PRODUCT	AUDIO
PART	50W AUDIO AMPLIFIER
DRG.	CIRCUIT DIAGRAM POWER AMP

PART NUMBER	ISS.	REV.
2501-410539	B01	N/A

FILENAME: $AUDIO_AMP/410539/amp/schematic/sheet1

PRINTED: 16/05/2001



CD-410539 SHEET 4 OF 7

ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson				10/04/2001
A	INTRODUCTION	000444	0000145	stylli				06/11/2000

ARISTOCRAT

ABN 2200 166 0715

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED A3

HEAD OFFICE:- 71 LONGUEVILLE RD. LANE COVE NSW 2066 AUSTRALIA
WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340

DRAWING ISSUE B01

SCALE NTS | TOL:- SEE DRAWING

DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT AUDIO

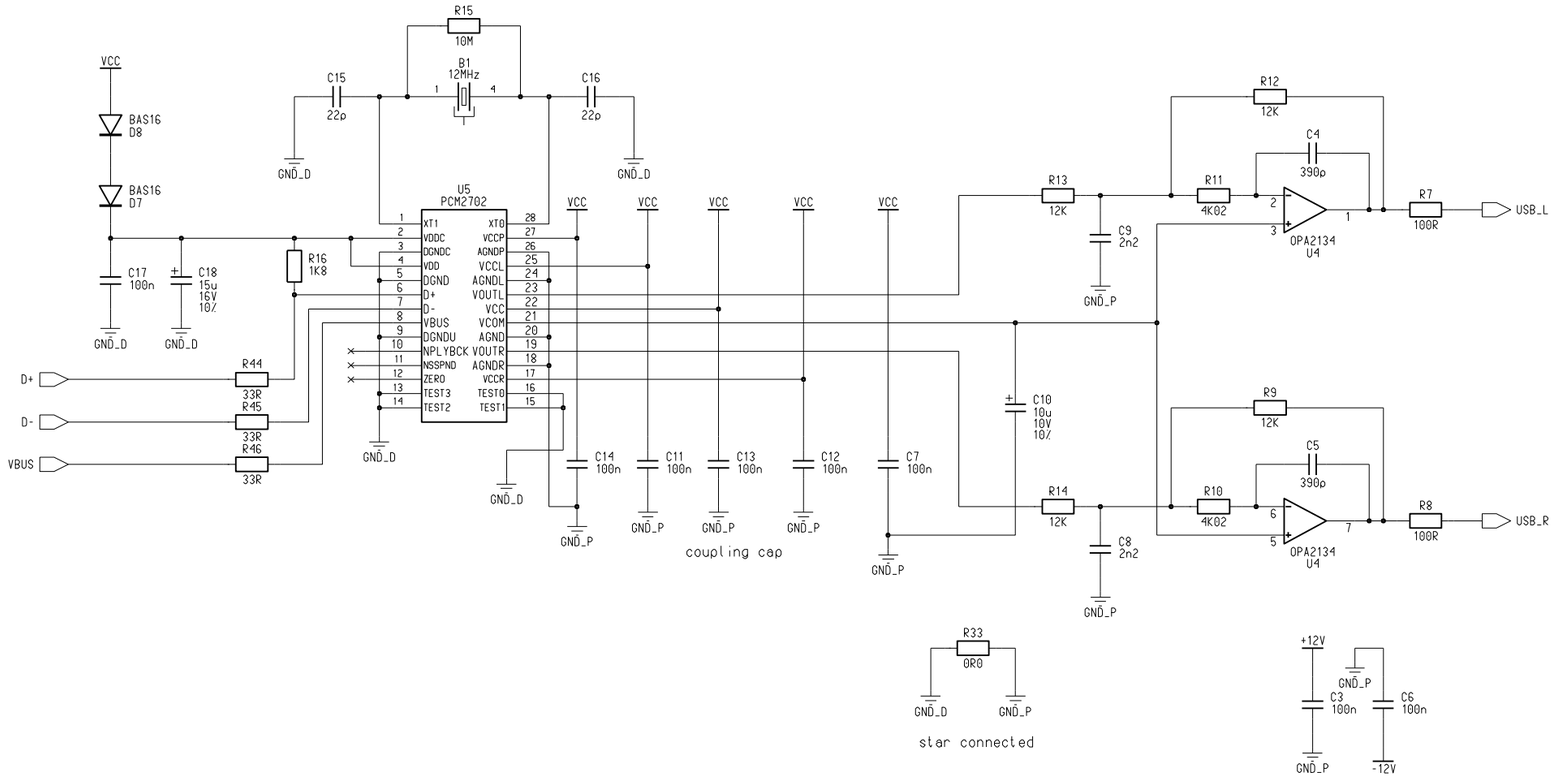
PART 50W AUDIO AMPLIFIER

DRG. CIRCUIT DIAGRAM POWER SUPPLY

PART NUMBER **2501-410539** | ISS. B01 | REV. N/A

FILENAME: $AUDIO_AMP/410539/psu/schematic/sheet1

PRINTED: 16/05/2001



CD-410539 SHEET 5 OF 7

CD-410539 SHEET 5 OF 7

B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson				10/04/2001
A	INTRODUCTION	000444	0000145	stylli				14/12/2000
DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE

ARISTOCRAT

ABN 2200 166 0715

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POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340

DRAWING ISSUE B01

SCALE NTS | TOL:- SEE DRAWING

DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT AUDIO

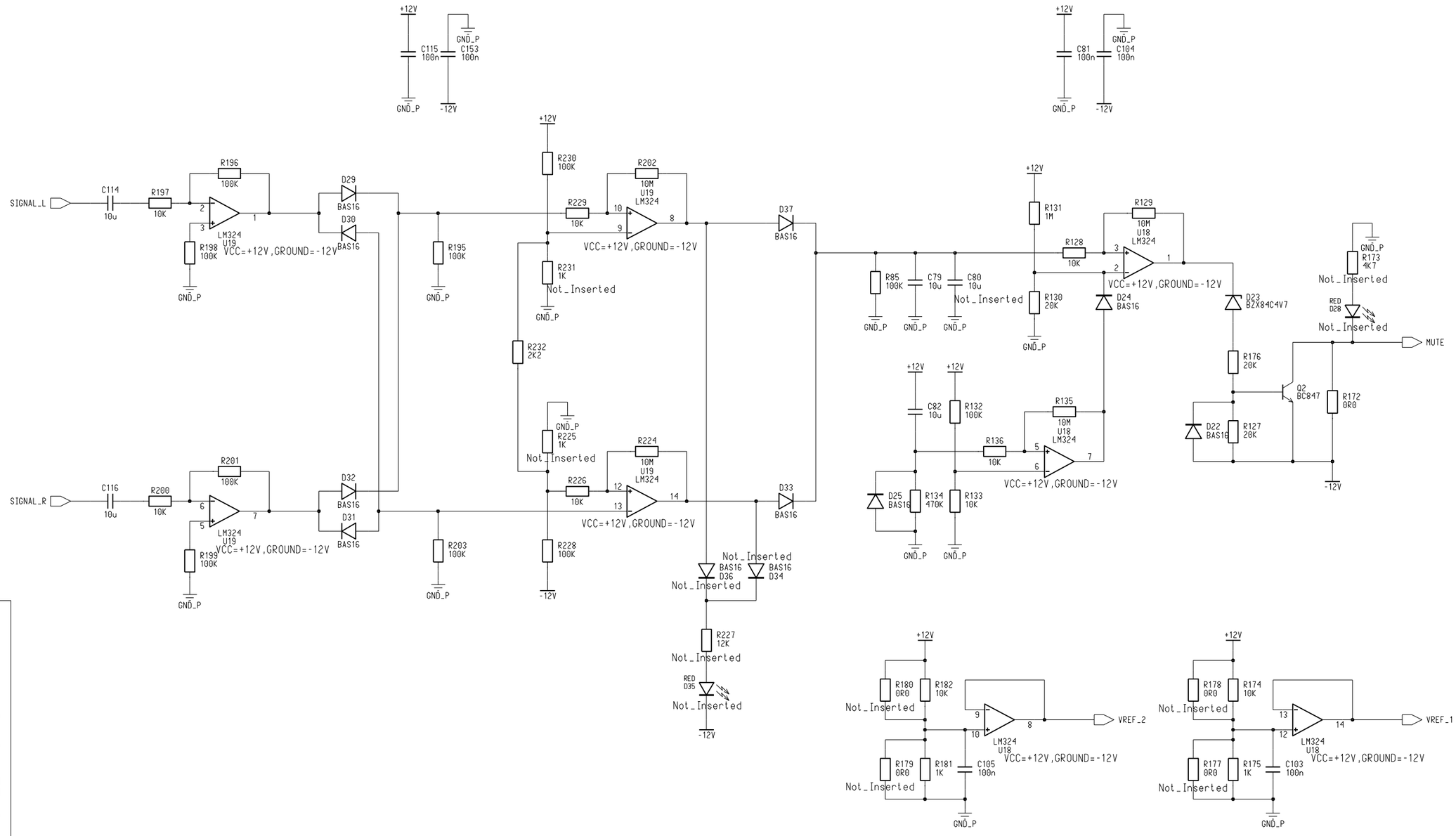
PART 50W AUDIO AMPLIFIER

DRG. CIRCUIT DIAGRAM USB

PART NUMBER **2501-410539** | ISS. B01 | REV. N/A

FILENAME: $AUDIO_AMP/410539/USB/schematic/sheet1

PRINTED: 16/05/2001



CD-410539 SHEET 6 OF 7

B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson	??	??	??	10/04/2001
DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED — A3

HEAD OFFICE:- 71 LONGUEVILLE RD. LANE COVE NSW 2066 AUSTRALIA
WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340
ABN 2200 166 0715

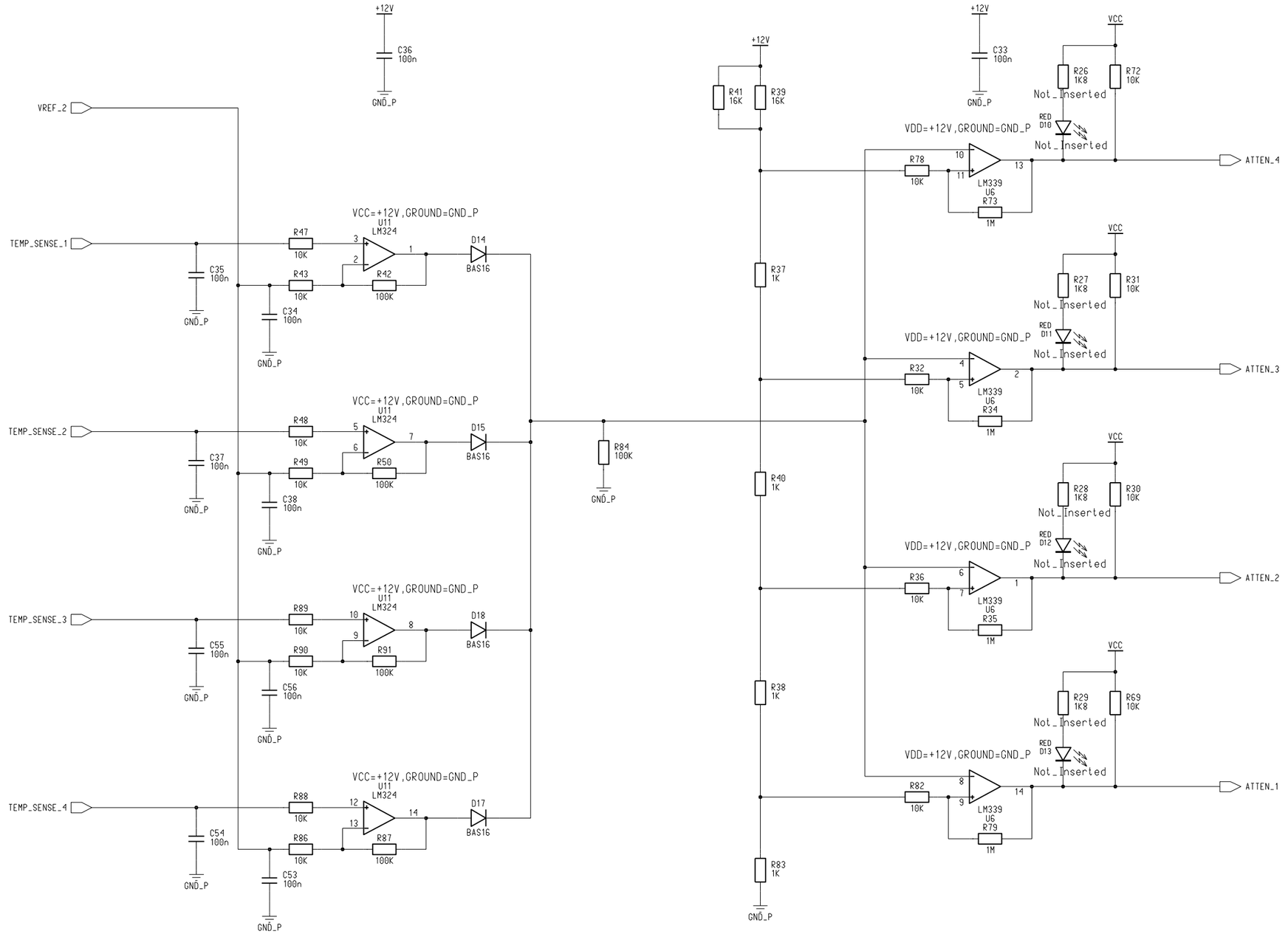
DRAWING ISSUE B01 | SCALE NTS | TOL:- SEE DRAWING | DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT AUDIO
PART 50W AUDIO AMPLIFIER
DRG. CIRCUIT DIAGRAM MUTE CIRCUIT AND VOLTAGE REFERENCES

PART NUMBER **2501-410539** | ISS. B01 | REV. N/A

FILENAME: $AUDIO_AMP/410539/MUTE/schematic/sheet1

PRINTED: 16/05/2001



CD-410539 SHEET 7 OF 7

DRG ISS	CHANGE DETAILS	PROJ #	ECO #	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B01	ADD TEMPERATURE MANAGEMENT, MODIFY MUTE CIRCUIT, CHANGE CONNECTOR SIZES	000444	0000145	thompson	??	??	??	10/04/2001

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED — A3

ABN 2200 166 0715
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WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- +61 2 9697 4000 FACSIMILE:- +61 2 9663 1340

DRAWING ISSUE B01
SCALE NTS | TOL:- SEE DRAWING
DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT AUDIO
PART 50W AUDIO AMPLIFIER
DRG. CIRCUIT DIAGRAM TEMPERATURE MANAGEMENT

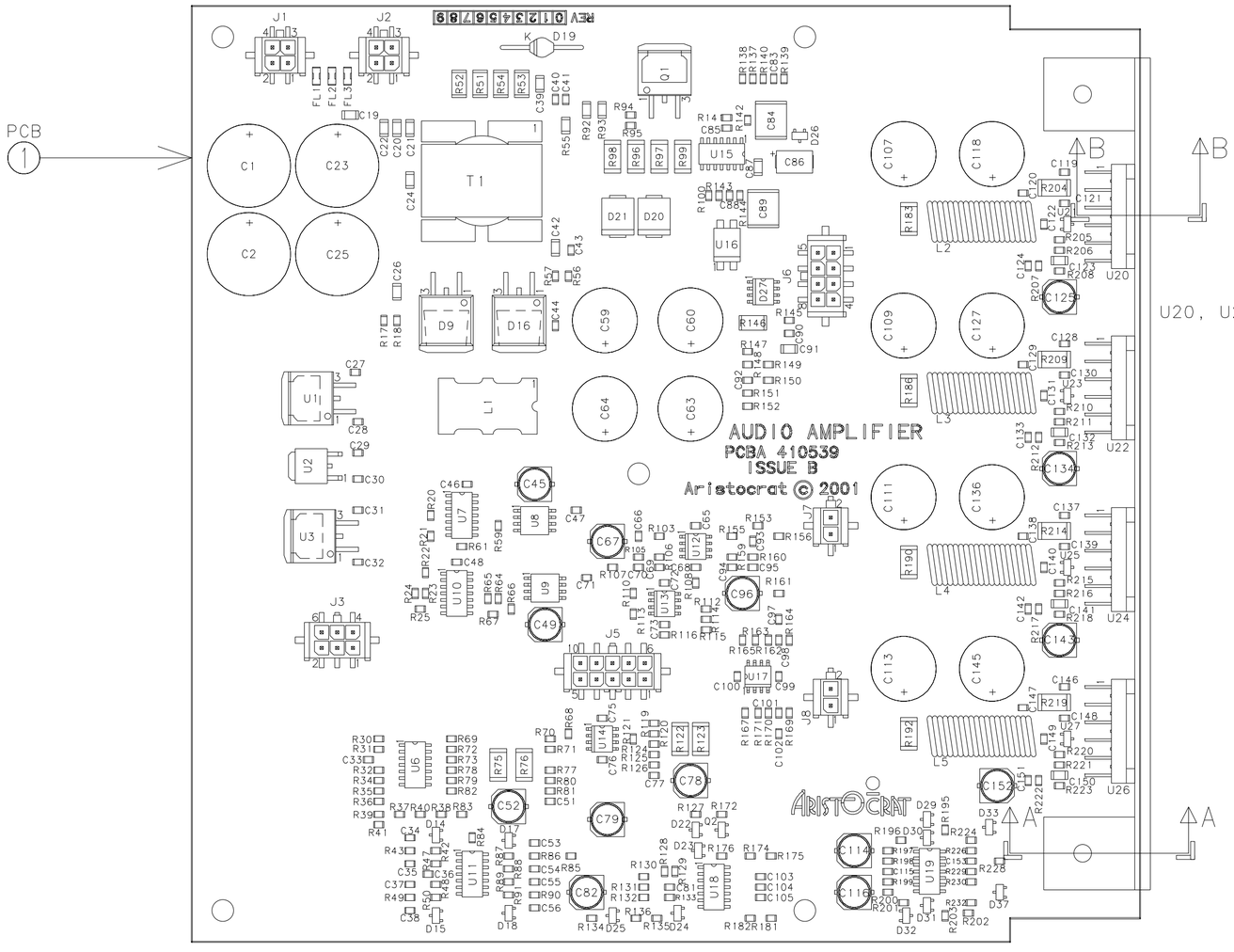
PART NUMBER **2501-410539** | ISS. B01 | REV. N/A

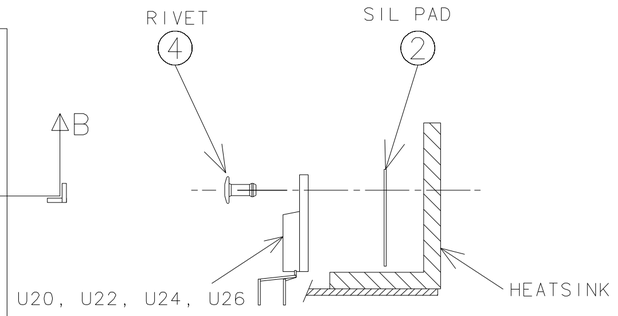
FILENAME: $AUDIO_AMP/410539/TEMPMON/schematic/sheet1

PRINTED: 16/05/2001

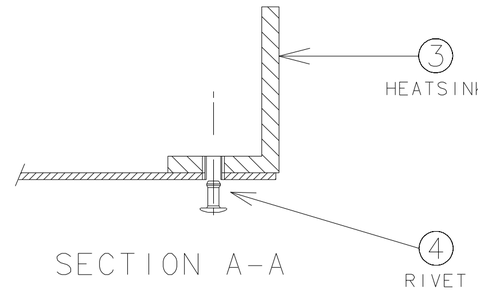
Mechanical Drawings

VIEW FROM SIDE A





SECTION B-B



SECTION A-A

COPY DISTRIBUTION LIST			
QA	QTY 0	PROD QTY 2	ATS QTY 1
TEST	QTY 0	LIB QTY 1	ATE QTY 0

AS-410539 SHT 1 OF 1

AS-410539 SHT 1 OF 1

DO NOT MANUALLY MODIFY THIS DRAWING IF IN DOUBT, ASK

DRG. ISS.	CHANGE DETAILS	PROJ.#	ECO#	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B	CHANGES	000444	0000145	BR				16/05/01
A	INTRODUCTION	000444	0000145	BR				16/02/01

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED — A2

ABN 2200 166 0715
HEAD OFFICE:- 71 LONGUEVILLE RD. LANE COVE NSW 2066 AUSTRALIA
WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- 61 2 9697 4000 FACSIMILE:- 61 2 9693 1340

DRAWING ISSUE	B
SCALE NTS	TOL:- N/A
DIMENSIONS IN MILLIMETERS	DRAWING GENERATED IN MENTOR
PRODUCT	
PART	PCBA-AUDIO AMPLIFIER
DRG.	ASSEMBLY DETAILS SIDE A
PART NUMBER	2501-410539
ISS.	B
REV.	0

FABRICATION

BOARD TYPE
☐SS ☒DS ☒PTH ☐MULTI-LAYER - No. OF LAYERS ____

MATERIAL
☒GLASS/FIBRE EPOXY RESIN NEMA GRADE FR4
☐OTHER ____
DIELECTRIC CONSTANT (Er) ____
TARGET IMPEDENCE (OHMS) ____

THICKNESS ☐0.8mm ☐1.2mm ☒1.6mm ☐2.4mm ☐3.2mm
TOLERANCE ☒IPC-D-300G CLASS B ☐OTHER ____

FINISHED COPPER THICKNESS (MICRONS)
EXTERNAL LAYERS ☐18 ☐36 ☒70
INTERNAL SIGNAL LAYERS ☐18 ☐36 ☐70
INTERNAL PLANES ☐18 ☐36 ☐70

LAYUP
COMPONENT OVERLAY SIDE A
SOLDER MASK SIDE A
EXTERNAL TRACK SIDE A
EXTERNAL TRACK SIDE B
SOLDER MASK SIDE B

TECHNOLOGY
MINIMUM TRACK WIDTH 0.3
MINIMUM TRACK CLEARANCE 0.25
MINIMUM ANNULAR RING 0.2

GOLD PLATING
☒NONE
☐1.3 MICRONS HARD GOLD OVER 5.0 MICRONS NICKEL
☐OTHER

TRACK FINISH
☐SELECTIVE HOT AIR SOLDER LEVEL
☒SILVER PLATE AND COAT
☐ORGANIC SOLDERABILITY PRESERVATIVE
☐OTHER ____

PROFILE
☒N.C.ROUTE ☐"V" GROOVE
☒AS DIMENSIONED. MEASURE AND CUT FROM SPECIFIED DATUM
☐OTHER

COMPONENT OVERLAY
☐NONE ☒SIDE A ☐SIDE B
☒WHITE ☐OTHER ____

SOLDER MASK
☐NONE ☒SIDE A ☒SIDE B
☒PHOTO IMAGE ☐SCREEN 2 PART EPOXY ☐OTHER ____
☒GREEN ☐WHITE
☐MATTE ☒GLOSS

PEELABLE MASK
☒NONE ☐SIDE B
☐GREEN ☐BLUE TYPE PETERS SD2952

DRILLING (FROM SIDE A)
CO-ORDINATES:- METRIC
REFERENCE DATUM:- AS SHOWN
DRILL FROM SUPPLIED DRILL FILES
MINIMUM PLATED COPPER THICKNESS ☒25 MICRONS ☐OTHER ____

TOLERANCE ON FINISHED HOLE SIZE:-

SPECIFIED HOLE SIZE	NON-PLATED HOLES	PLATED HOLES
0.00 TO 0.80	+/- 0.03	+/- 0.05
0.81 TO 1.60	+/- 0.05	+/- 0.05
1.61 TO 5.00	+/- 0.08	+/- 0.10

SEE DRILL TABLE FOR SPECIFIC HOLE SIZES

BOW AND TWIST
PERCENTAGE BOW AND TWIST SHALL BE IN ACCORDANCE WITH THE CURRENT RELEASE OF IPC-A-600D PART 10.1 AND MEASURED AS PER IPC-TM-650 PART 2.4.22

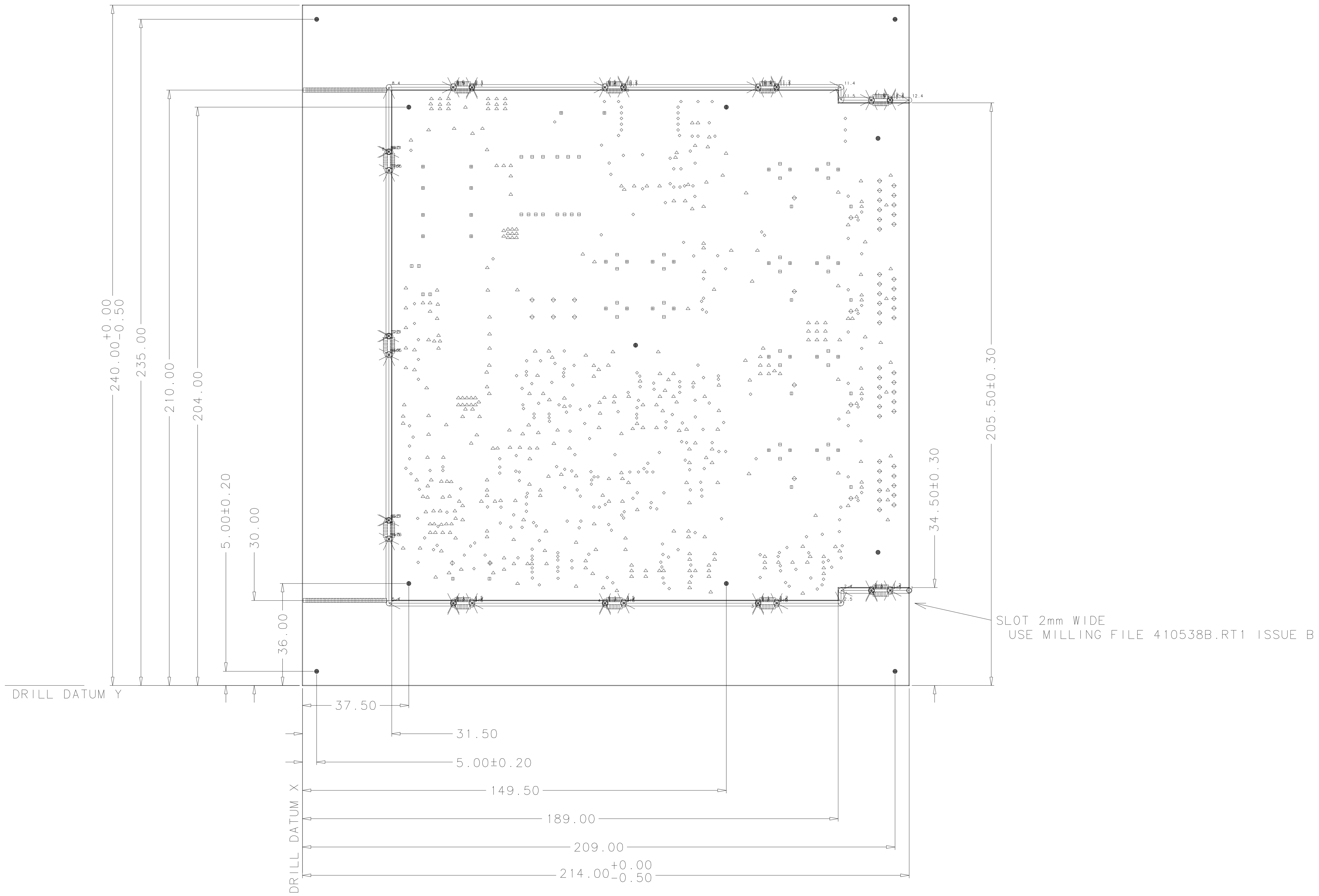
ALLOWANCE - THROUGH HOLE AND SURFACE MOUNT BOARDS:-
DIM. X - 1.5% OR 1.0mm WHICHEVER IS SMALLER
DIM. Y - 1.5% OR 1.0mm WHICHEVER IS SMALLER

SIDE A / SIDE B — DIM. X
SIDE A / SIDE B — DIM. Y

GENERAL TOLERANCE
UNLESS OTHERWISE SPECIFIED HEREIN, DIMENSIONAL TOLERANCES SHALL BE IN ACCORDANCE WITH THE CURRENT RELEASE OF IPC-D-300 PART 3.2 CLASS B

WORKMANSHIP STANDARD
WORKMANSHIP STANDARDS SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY. LIMITED PRINTED CIRCUIT BOARD SPECIFICATION (DOCUMENT I.D. 673B)

VIEW FROM SIDE A



DOCUMENTATION PACKAGE

MFG-410538 SHT 1 OF 1

DESCRIPTION	PHOTOPLOT	ISS.	DRILL/MILL	ISS.	DRAWING	ISS.
COMPONENT OVERLAY SIDE A	410538B.CRA	B			CRA-410538	B
SOLDER MASK SIDE A	410538B.SMA	B			SMA-410538	B
SOLDER MASK SIDE B	410538B.SMB	B			SMB-410538	B
EXTERNAL TRACK SIDE A	410538B.CTA	B			CTA-410538	B
EXTERNAL TRACK SIDE B	410538B.CTB	B			CTB-410538	B
PHOTOPLOT APERTURE FILE	410538B.APR					
DRILL FILE - PLATED HOLES			410538B.PTH	B		
DRILL FILE - NON-PLATED HOLES			410538B.NPT	B		
MILLING FILE - SLOTS			410538B.RT1	B		
MANUFACTURING DETAILS (SHEET 1)	410538B_MF1.PDF (ADOBE ACROBAT FILE)				MFG-410538	B

PANEL's DRILL SCHEDULE

DRILL SYMBOL	DRILL SIZE	COUNT	PLATED	Min/Max
◇	0.4	292	YES	---
□	0.5	168	NO	---
△	0.7	372	YES	---
⊟	0.9	38	YES	---
◫	1.0	14	YES	---
⊞	1.1	34	YES	---
◇	1.1	1	NO	---
◇	1.3	58	YES	---
◇	1.5	1	NO	---
●	3.4	2	NO	---
●	4.0	4	NO	---
●	4.2	5	NO	---

DO NOT MANUALLY MODIFY THIS DRAWING IF IN DOUBT, ASK

DRG. ISS.	CHANGE DETAILS	PROJ.#	ECO#	DRN	CAD CHK	ENG CHK	ENG APP	DATE
B	CHANGED	000444	0000145	BR				14/05/01
A	INTRODUCTION	000444	0000145	BR				16/02/01

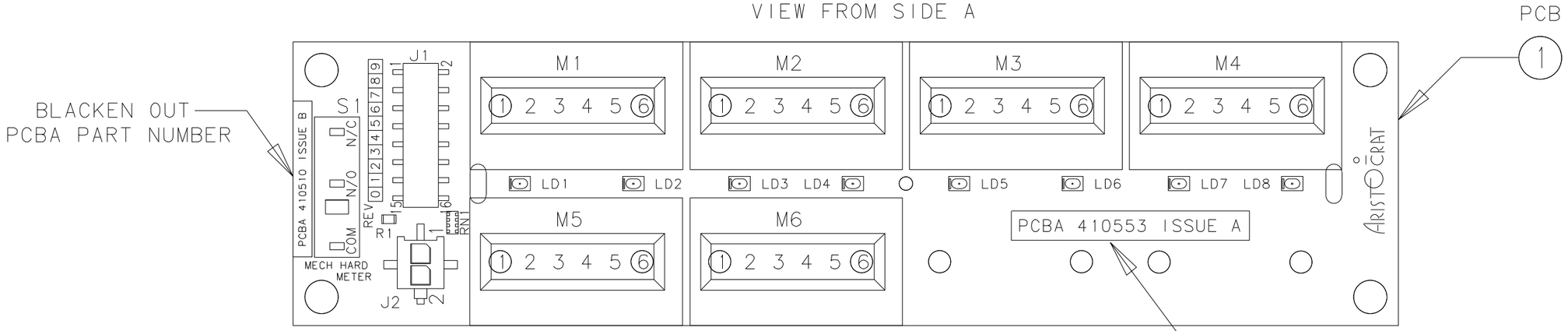
ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED A1

ARISTOCRAT
ABN 2200 166 0715
HEAD OFFICE:- 71 LONGUEVILLE RD. LANE COVE NSW 2066 AUSTRALIA
WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- 61 2 9697 4000 FACSIMILE:- 61 2 9693 1340

DRAWING ISSUE B
SCALE NTS | TOL:- SEE DRAWING
DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR
PRODUCT
PART: PCB-AUDIO AMPLIFIER
DRG.: MANUFACTURING DETAIL
PART NUMBER 0801-410538 | ISS. B | REV. N/A

MFG-410538 SHT 1 OF 1

VIEW FROM SIDE A



VIEW FROM SIDE B

DO NOT MANUALLY MODIFY IF IN DOUBT, ASK

AS-410553 SHT 1 OF 1

AS-410553 SHT 1 OF 1

COPY DISTRIBUTION LIST

QA	QTY 0	PROD QTY 2	ATS QTY 1
TEST	QTY 0	LIB QTY 1	ATE QTY 0

DWG. ISS.	CHANGE DETAILS	PROJ.#	ECO#	DRN	CAD CHK	ENG CHK	ENG APP	DATE
A02	PCB MODIFIED	ENG2001	0000595	RBP				08/05/01
A01	INTRODUCTION	000380	0000365	GK				28/02/01

ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LIMITED — A3

ABN 2200 166 0715
HEAD OFFICE:- 71 LONGUEVILLE RD. LANE COVE NSW 2066 AUSTRALIA
WORKS:- 85-113 DUNNING AVE. ROSEBERY NSW 2018 AUSTRALIA
POSTAL ADDRESS:- PO BOX 155 ROSEBERY NSW 1445 AUSTRALIA
TELEPHONE:- 61 2 9697 4000 FACSIMILE:- 61 2 9693 1340

DRAWING ISSUE A02

SCALE NTS | TOL:- N/A

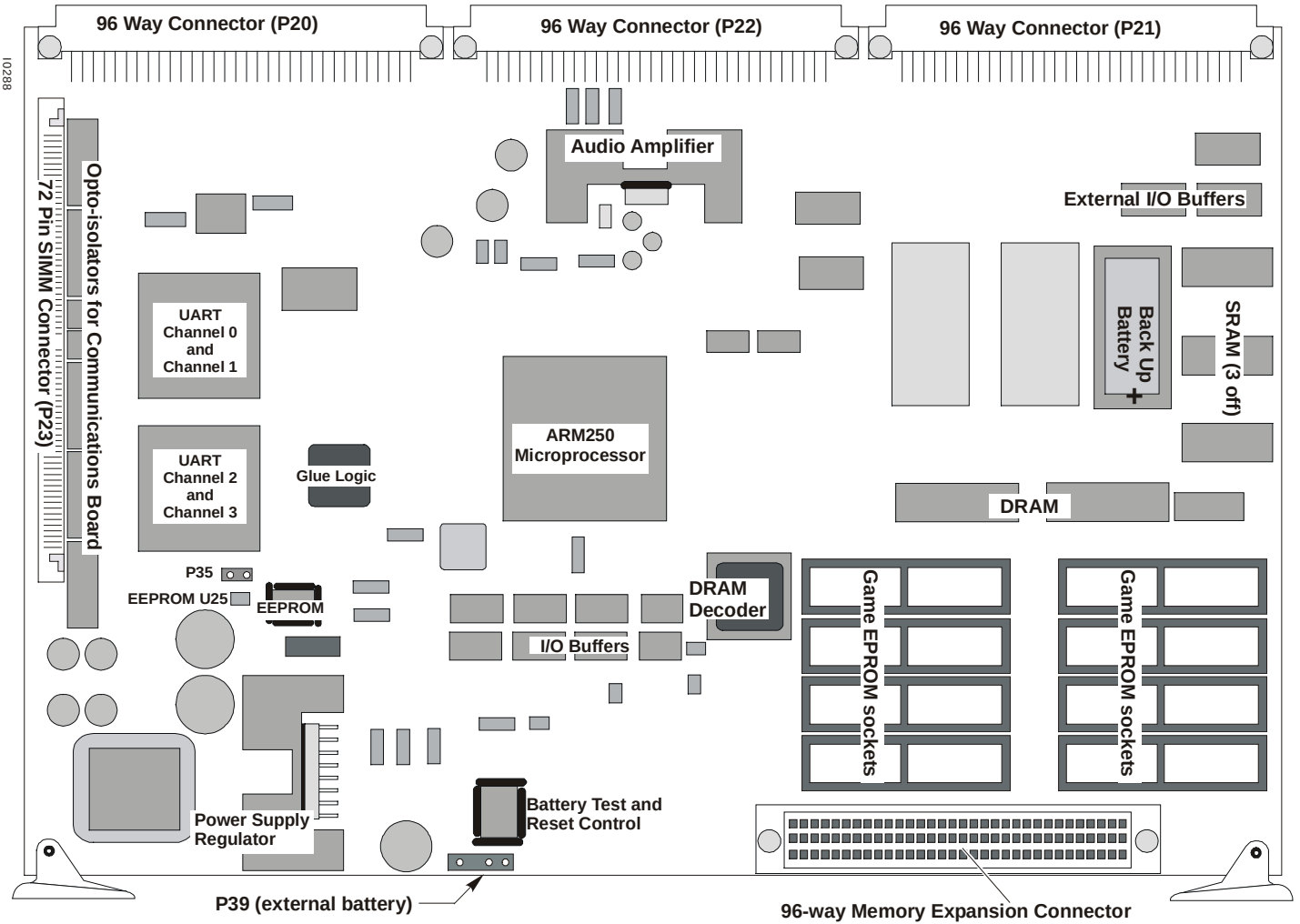
DIMENSIONS IN MILLIMETERS | DRAWING GENERATED IN MENTOR

PRODUCT HARD METER (HMB) USA 500

PART PCBA - MECHANICAL HARD METER (6M)

DWG. ASSEMBLY DETAILS SIDES A & B

PART NUMBER	ISS.	REV.
2501-410553	A01	0


I0288
96 Way Connector (P20)
96 Way Connector (P22)
96 Way Connector (P21)
Opto-isolators for Communications Board
72 Pin SIMM Connector (P23)
Audio Amplifier
External I/O Buffers
UART Channel 0 and Channel 1
UART Channel 2 and Channel 3
Glue Logic
ARM250 Microprocessor
Back Up Battery +
SRAM (3 off)
DRAM
P35
EEPROM U25
EEPROM
DRAM Decoder
I/O Buffers
Game EPROM sockets
Game EPROM sockets
Power Supply Regulator
Battery Test and Reset Control
P39 (external battery)
96-way Memory Expansion Connector