

Volume II

Diagrams and Reference Listings

Item	Qty.	Assembly / Drawing No.
Wiring Diagram	1	0802-566773C
Reference Listings I/O to Components and I/Cs List Main Board (410289 or 410461) Backplane Board (410351) Extended USA I/O Driver Board (410355) Communications Configuration Board (410291) Pulse Mechanical Meter Board (410361) Main Board Component Name and Functions List		PP 2-11 PP 12-13 PP 14-20 PP 21-22 PP 23 PP 24-34
Component Location Main Board	1	410289
Circuit Diagrams Main Board Backplane Extended USA I/O Driver Board Communications Configuration Board Pulse Mechanical Meter Board	44 9 8 1 1	2501-410289 A4 or 2501-410461 2501-410351 A1 2501-410355 A1 2501-410291 A 2501-410361 A1

Reference Listings

I/O to Components and I/Cs List

Main Board 410289

%

Revised: September 16, 1996

PARTS

CSM2012	= CD01, % 0.1UF	C48, % 0.1UF	C148, % 0.1UF
C1,	% 0.1UF	C55, % 0.1UF	C149, % 0.1UF
CD02,	% 0.1UF	C59, % 0.1UF	C150, % 0.1UF
C2,	% 0.1UF	C60, % 0.1UF	C151, % 0.1UF
CD03,	% 0.1UF	C61, % 0.1UF	C152, % 0.1UF
C3,	% 0.1UF	C62, % 0.1UF	C153, % 0.1UF
CD05,	% 0.1UF	C64, % 0.1UF	C154, % 0.1UF
CD06,	% 0.1UF	C66, % 0.1UF	C155, % 0.1UF
CD07,	% 0.1UF	C67, % 0.1UF	C156, % 0.1UF
CD08,	% 0.1UF	C68, % 0.1UF	C157, % 0.1UF
CD09,	% 0.1UF	C73, % 0.1UF	C158, % 0.1UF
CD10,	% 0.1UF	C80, % 0.1UF	C159, % 0.1UF
CD11,	% 0.1UF	C96, % 0.1UF	C160, % 0.1UF
CD12,	% 0.1UF	C99, % 0.1UF	C161, % 0.1UF
CD14,	% 0.1UF	C101, % 0.1UF	C162, % 0.1UF
CD15,	% 0.1UF	C113, % 0.1UF	C163, % 0.1UF
C16,	% 0.1UF	C114, % 0.1UF	C172, % 0.1UF
CD16,	% 0.1UF	C115, % 0.1UF	C173, % 0.1UF
CD17,	% 0.1UF	C116, % 0.1UF	C174, % 0.1UF
C17,	% 0.1UF	C117, % 0.1UF	C178, % 0.1UF
C18,	% 0.1UF	C118, % 0.1UF	C188, % 0.1UF
CD18,	% 0.1UF	C119, % 0.1UF	C189, % 0.1UF
CD19,	% 0.1UF	C120, % 0.1UF	C191, % 0.1UF
C19,	% 0.1UF	C121, % 0.1UF	C204, % 0.1UF
C20,	% 0.1UF	C122, % 0.1UF	C205, % 0.1UF
CD20,	% 0.1UF	C123, % 0.1UF	C210, % 0.1UF
CD21,	% 0.1UF	C124, % 0.1UF	C211, % 0.1UF
CD22,	% 0.1UF	C125, % 0.1UF	C213; % 0.1UF
CD25,	% 0.1UF	C126, % 0.1UF	CRE_A_01 = C217, % 0.1UF
CD26,	% 0.1UF	C127, % 0.1UF	C218; % 0.1UF
CD27,	% 0.1UF	C128, % 0.1UF	CSM2012 = C501, % 0.1UF
CD28,	% 0.1UF	C129, % 0.1UF	C502; % 0.1UF
CD29,	% 0.1UF	C130, % 0.1UF	CSM3225 = C57, % 0.22UF
CD30,	% 0.1UF	C131, % 0.1UF	C63; % 0.22UF
CD31,	% 0.1UF	C132, % 0.1UF	RSM2012 = R151, % 0R
CD32,	% 0.1UF	C133, % 0.1UF	R153, % 0R
CD33,	% 0.1UF	C134, % 0.1UF	R156, % 0R
CD34,	% 0.1UF	C135, % 0.1UF	R157; % 0R
C34,	% 0.1UF	C136, % 0.1UF	LINK0805 = R212; % 0R
CD35,	% 0.1UF	C137, % 0.1UF	RSM2012 = R362, % 0R
CD36,	% 0.1UF	C138, % 0.1UF	R363; % 0R
CD37,	% 0.1UF	C139, % 0.1UF	LINK0805 = R466, % 0R
CD38,	% 0.1UF	C140, % 0.1UF	R469; % 0R
C40,	% 0.1UF	C141, % 0.1UF	CRE_A_05 = C103, % 1000UF
C41,	% 0.1UF	C142, % 0.1UF	C108; % 1000UF
C42,	% 0.1UF	C143, % 0.1UF	RSM2012 = R28, % 100K
C43,	% 0.1UF	C144, % 0.1UF	R93, % 100K
C45,	% 0.1UF	C145, % 0.1UF	R301, % 100K
		C146, % 0.1UF	R302; % 100K
		C147, % 0.1UF	CSM2012 = C14, % 100PF



C15, % 100PF	R355, % 150K	R361, % 1K
C21, % 100PF	R360, % 150K	R366, % 1K
C22, % 100PF	CST6032 = C36, % 15UF	R367, % 1K
C39, % 100PF	C90, % 15UF	R368, % 1K
C49, % 100PF	C91, % 15UF	R369, % 1K
C50, % 100PF	C92, % 15UF	R382, % 1K
C54, % 100PF	C93, % 15UF	R389, % 1K
C56, % 100PF	C94, % 15UF	R402, % 1K
C164, % 100PF	C98, % 15UF	R413, % 1K
C177, % 100PF	C166, % 15UF	R428, % 1K
C179, % 100PF	PLCC-68S = U71, % 16C452	R432, % 1K
C180, % 100PF	U72; % 16C452	R434, % 1K
C190, % 100PF	RSM2012 = R58, % 16K	R450, % 1K
C193, % 100PF	R62, % 16K	R452, % 1K
C195, % 100PF	R303, % 16K	R453, % 1K
C196, % 100PF	R282, % 180K	R454, % 1K
C197, % 100PF	R338, % 180R	R455, % 1K
C198, % 100PF	R349, % 180R	R464, % 1K
C199, % 100PF	R2, % 1K	R465, % 1K
C200, % 100PF	R3; % 1K	R84, % 1M
C201, % 100PF	RADC3220 = R5; % 1K	R123; % 1M
C202, % 100PF	RSM2012 = R6, % 1K	DP01P040 = D9, % 1N4001
C203, % 100PF	R73, % 1K	D10; % 1N4001
C208, % 100PF	R85, % 1K	CSM3216 = C12, % 1NF
C212, % 100PF	R90, % 1K	C31, % 1NF
C215; % 100PF	R99, % 1K	C32, % 1NF
RSM2012 = R137, % 100R	R121, % 1K	C35; % 1NF
R149, % 100R	R126, % 1K	RSM3216 = R52; % 1R
R150, % 100R	R127, % 1K	CSM3216 = C71, % 2.2NF
R236, % 100R	R128, % 1K	C194; % 2.2NF
R240, % 100R	R129, % 1K	CST6032 = C104, % 2.2UF
R276, % 100R	R134, % 1K	C110, % 2.2UF
R283, % 100R	R135, % 1K	C111, % 2.2UF
R289, % 100R	R138, % 1K	C214; % 2.2UF
R290, % 100R	R173, % 1K	RSM2012 = R35, % 200R
R291, % 100R	R178, % 1K	R36, % 200R
R295; % 100R	R211, % 1K	R37, % 200R
CRE_A_02 = C97, % 100UF	R213, % 1K	R4, % 20K
C100, % 100UF	R215, % 1K	R7, % 20K
C109; % 100UF	R216, % 1K	R95, % 20K
RSM2012 = R1, % 10K	R220, % 1K	R96, % 20K
R10, % 10K	R224, % 1K	R161, % 20K
R41, % 10K	R225, % 1K	R162, % 20K
R48, % 10K	R226, % 1K	R165, % 20K
R54, % 10K	R227, % 1K	R166; % 20K
R159, % 10K	R228, % 1K	CSM3216 = C72; % 220PF
R163, % 10K	R238, % 1K	CSM2012 = C65; % 22NF
R167, % 10K	R262, % 1K	RADCHALF = R59; % 22R
R217, % 10K	R267, % 1K	YHC18V = X2; % 25MHZ
R229, % 10K	R304, % 1K	RSM2012 = R71, % 270R
R230, % 10K	R306, % 1K	R332, % 270R
R305, % 10K	R307, % 1K	R168, % 2K2
R341, % 10K	R311, % 1K	R169, % 2K2
R342, % 10K	R312, % 1K	R170, % 2K2
R343, % 10K	R316, % 1K	R334, % 2K2
R346, % 10K	R317, % 1K	R335, % 2K2
R347, % 10K	R319, % 1K	R336, % 2K2
R356, % 10K	R320, % 1K	R337, % 2K2
R405; % 10K	R324, % 1K	R350, % 2K2
CRE_A_01 = C11, % 10UF	R326, % 1K	R352, % 2K2
C53; % 10UF	R327, % 1K	R394, % 2K2
12CTQ45V = D26; % 12CTQ45V	R328, % 1K	R430, % 2K2
CSM2012 = C9, % 12PF	R329, % 1K	R471; % 2K2
C10; % 12PF	R333, % 1K	SOT23A = Q3, % 2N2907A
RSM2012 = R51, % 150K	R339, % 1K	Q22, % 2N2907A
R53, % 150K	R354, % 1K	Q23, % 2N2907A
R321, % 150K	R359, % 1K	Q24, % 2N2907A



ISS003	Q26; % 2N2907A = L1; % 2U2H	CRE_A_04	R345; % 470R = C95; % 470UF	R200,	% 68R
RSM2012	= R29, % 300R	CRE_A_05	= C165; % 470UF	R201,	% 68R
R30,	% 300R	RSM2012	= R42, % 47K	R202,	% 68R
R31;	% 300R	R43,	% 47K	R203,	% 68R
CRHTUB01	= X1; % 32768HZ	R44,	% 47K	R204,	% 68R
RSM2012	= R56, % 33R	R49,	% 47K	R205,	% 68R
R57,	% 33R	R55,	% 47K	R206,	% 68R
R60,	% 33R	R94,	% 47K	R207,	% 68R
R61,	% 33R	R164;	% 47K	R208,	% 68R
R100,	% 33R	CRE_A_01	= C102, % 47UF	R209,	% 68R
R101,	% 33R	C105,	% 47UF	R210,	% 68R
R102,	% 33R	C106;	% 47UF	R231,	% 68R
R103,	% 33R	CRE_A_02	= C167; % 47UF	R232,	% 68R
R104,	% 33R	RSM3216	= R50; % 4K7	R246,	% 68R
R105,	% 33R	RSM2012	= R294, % 4K7	R268,	% 68R
R106,	% 33R	R296,	% 4K7	R288,	% 68R
R107,	% 33R	R309,	% 4K7	R364,	% 68R
R108,	% 33R	R340,	% 4K7	R365,	% 68R
R109,	% 33R	R431,	% 4K7	R370,	% 68R
R110,	% 33R	R46,	% 62K	R371,	% 68R
R111,	% 33R	R26,	% 68R	R372,	% 68R
R112,	% 33R	R27,	% 68R	R373,	% 68R
R113,	% 33R	R38,	% 68R	R383,	% 68R
R114,	% 33R	R39,	% 68R	R384,	% 68R
R115,	% 33R	R40,	% 68R	R385,	% 68R
R116,	% 33R	R120,	% 68R	R386,	% 68R
R117,	% 33R	R125,	% 68R	R387,	% 68R
R118,	% 33R	R130,	% 68R	R388,	% 68R
R119,	% 33R	R131,	% 68R	R393,	% 68R
R248,	% 33R	R132,	% 68R	R401,	% 68R
R315,	% 33R	R133,	% 68R	R414,	% 68R
R322,	% 33R	R136,	% 68R	R416,	% 68R
R323,	% 33R	R139,	% 68R	R418,	% 68R
R325,	% 33R	R140,	% 68R	R424,	% 68R
R374,	% 33R	R141,	% 68R	R437,	% 68R
R375,	% 33R	R143,	% 68R	R438,	% 68R
R376,	% 33R	R144,	% 68R	R439,	% 68R
R377,	% 33R	R145,	% 68R	R440,	% 68R
R378,	% 33R	R146,	% 68R	R441,	% 68R
R379,	% 33R	R148,	% 68R	R442,	% 68R
R380,	% 33R	R171,	% 68R	R443,	% 68R
R381,	% 33R	R172,	% 68R	R444,	% 68R
R390,	% 33R	R174,	% 68R	R457,	% 68R
R391;	% 33R	R176,	% 68R	R459,	% 68R
ISS003	= L2, % 33UH	R177,	% 68R	R460,	% 68R
L3;	% 33UH	R179,	% 68R	R461,	% 68R
CSM2012	= C70; % 390PF	R180,	% 68R	R462;	% 68R
KEVF_96A	= P1; % 41612A	R181,	% 68R	DIL_3_08	= U74, % 6N136
CNEM96RH	= P20, % 41612A	R182,	% 68R	U75;	% 6N136
P21,	% 41612A	R183,	% 68R	7400S	= U15, % 74HC00S
P22;	% 41612A	R184,	% 68R	U16,	% 74HC00S
RSM2012	= R32, % 43R	R185,	% 68R	U17;	% 74HC00S
R33,	% 43R	R186,	% 68R	74138S	= U66, % 74HC138
R34,	% 43R	R187,	% 68R	U67,	% 74HC138
R233,	% 470R	R188,	% 68R	U68;	% 74HC138
R234,	% 470R	R189,	% 68R	7414S	= U39; % 74HC14
R247,	% 470R	R190,	% 68R	74245S	= U55; % 74HC245
R260,	% 470R	R191,	% 68R	74273S	= U4, % 74HC273
R269,	% 470R	R192,	% 68R	U6,	% 74HC273
R274,	% 470R	R193,	% 68R	U30,	% 74HC273
R297,	% 470R	R194,	% 68R	U31,	% 74HC273
R298,	% 470R	R195,	% 68R	U32,	% 74HC273
R299,	% 470R	R196,	% 68R	U34,	% 74HC273
R300,	% 470R	R197,	% 68R	U35;	% 74HC273
R308,	% 470R	R198,	% 68R	4020S	= U60; % 74HC4020
R344,	% 470R	R199,	% 68R	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 ;
 NWDGOUT = 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 ;	NWE0 = U149/13 U152/13 R146/1 ;	C44/1 R33/2 C46/1 R34/2
N00061 = U134/2 R337/2 ;	NWE1 = U48/13 U49/13 R143/1 ;	C47/1 C178/1 ;
N00062 = R309/2 Q24/2 ;	NOE0 = U149/29 U152/29 R145/1 ;	N00186 = C44/2 R32/1 Q7/EMITTER ;
N00063 = Q24/3 R338/1 ;	NOE1 = U48/27 U49/27 R144/1 ;	N00187 = C46/2 R33/1 Q8/EMITTER ;
N00064 = R338/2 U135/1 ;	N00128 = R151/1 C502/1 U152/20 ;	N00188 = C47/2 R34/1 Q9/EMITTER ;
N00065 = C174/1 U47/1 ;	N00129 = U152/23 C502/2 R153/2 ;	N00189 = R28/1 Q6/BASE R30/2 R29/2
N00066 = C213/1 U47/4 ;	N00130 = U36/26 R322/2 ;	Q6/COLLECTOR R31/2 ;
N00067 = C174/2 U47/3 ;	N00131 = U36/25 R323/2 ;	N00190 = Q7/COLLECTOR
N00068 = U47/2 C121/1 ;	N00132 = U36/24 R144/2 ;	D12/ANODE ;
SOUT0 = R150/1 U71/26 C190/2	N00133 = U36/20 R143/2 ;	N00191 = Q8/COLLECTOR
U47/11 ;	N00134 = U36/19 R145/2 ;	D13/ANODE ;
N00070 = C213/2 U47/5 ;	N00135 = U36/18 R146/2 ;	N00192 = Q9/COLLECTOR
N00071 = U47/6 C145/2 ;	N00136 = R312/1 U36/17 ;	D14/ANODE ;
N00072 = R262/1 U71/1 ;	N00137 = U36/16 R329/2 ;	N00193 = D12/CATHODE R35/2 R38/1
NRTS0 = U71/24 U47/10 ;	N00138 = U53/19 U53/1 U56/1 R389/2 ;	D6/COM ;
SIN0 = U47/12 U71/41 ;	N00139 = U46/18 R246/1 ;	N00194 = D13/CATHODE R36/2 R39/1
NCTS0 = U71/28 U47/9 ;	N00140 = U46/16 R148/1 ;	D7/COM ;
N00076 = U71/31 U71/29 U71/30 U71/8	N00141 = U46/14 R268/1 ;	N00195 = D14/CATHODE R37/2 R40/1
U71/6 R354/2 ;	N00142 = U46/12 R288/1 ;	D5/COM ;
N00077 = U71/25 R394/1 ;	N00143 = U46/19 U46/1 U21/1 U21/19	N00196 = U60/11 R238/2 ;
N00078 = R347/1 U142/4 U71/13 ;	R267/2 ;	N00197 = R302/1 C163/1 R301/2
N00079 = U71/12 R350/1 ;	N00144 = U46/9 R371/1 ;	U29/12 ;
N00080 = R346/1 U144/4 U71/5 ;	N00145 = U46/7 R365/1 ;	N00198 = U51/10 R164/2 C51/2 U29/14
N00081 = U71/11 R352/1 ;	N00146 = U46/5 R370/1 ;	C205/1 ;
N00082 = U71/10 R294/1 ;	N00147 = U46/3 R364/1 ;	N00199 = U51/11 U51/9 R161/1 R166/2
N00083 = R345/1 U143/4 U71/62 ;	N00148 = U55/2 R440/1 ;	;
N00084 = R211/2 C215/1 U71/53 ;	N00149 = U55/3 R438/1 ;	N00200 = R161/2 R162/1 ;
N00085 = U28/2 R394/2 ;	N00150 = U21/18 R372/1 ;	N00201 = R162/2 R163/1 ;
N00086 = U147/2 R350/2 ;	N00151 = U55/4 R439/1 ;	N00202 = R163/2 R164/1 ;
N00087 = U145/2 R352/2 ;	N00152 = U55/5 R437/1 ;	N00203 = U51/8 U51/3 R165/1 R167/2 ;
N00088 = R294/2 Q22/2 ;	N00153 = U21/16 R384/1 ;	N00204 = R165/2 R166/1 ;
N00089 = Q22/3 R349/1 ;	N00154 = U55/6 R444/1 ;	N00205 = U51/4 U51/2 R167/1 R168/2 ;
N00090 = R349/2 U146/1 ;	N00155 = U55/7 R442/1 ;	N00206 = U51/1 R282/2 R168/1 C51/1
N00091 = R269/2 U39/13 ;	N00156 = U21/14 R383/1 ;	U29/13 ;
N00092 = U15/8 U15/13 ;	N00157 = U55/8 R443/1 ;	N00207 = C31/1 R43/2 R10/1 U29/2 ;
N00093 = R73/2 Q3/2 ;	N00158 = U55/9 R441/1 ;	N00208 = C31/2 R10/2 U29/1 R47/1 ;
N00094 = Q3/3 D23/ANODE ;	N00159 = U21/12 R385/1 ;	N00209 = L4/1 C210/1 L2/2 C214/POS
N00095 = D23/CATHODE C80/1 R71/1	N00160 = U21/9 R401/1 ;	C59/1 C97/POS D10/CATHODE
;	N00161 = U21/7 R387/1 ;	U82/5 ;
N00096 = U1/22 U15/3 ;	N00162 = U21/5 R393/1 ;	N00210 = C35/1 R47/2 R53/1 ;
N00097 = U2/22 U16/3 ;	N00163 = U21/3 R386/1 ;	N00211 = C35/2 U29/8 R46/1 R54/2 ;
N00098 = U3/22 U17/3 ;	PGM0 = U7/39 U11/39 R231/2 ;	N00212 = C32/1 R46/2 R45/1 ;
N00099 = U40/3 X1/2 ;	PGM1 = U8/39 U12/39 R232/2 ;	N00213 = C32/2 U29/7 C204/1 R159/2 ;
N00100 = X1/1 U40/5 ;	PGM2 = U9/39 U13/39 R373/2 ;	SNDF24V = U29/4 L2/1 R169/2 C211/1
N00101 = R428/2 U56/11 ;	PGM3 = U10/39 U14/39 R388/2 ;	C11/POS ;
PSU2OVR = R431/1 U56/17 ;	N00168 = U12/2 U8/2 U11/2 U7/2	N00215 = C54/2 R51/2 D10/ANODE
N00103 = U27/7 U25/7 R304/2 ;	R212/2 U13/2 U9/2 U14/2	U82/4
N00104 = U25/6 R305/2 P35/1 ;	U10/2 ;	D9/CATHODE C165/POS R52/2 ;
N00105 = U35/2 C193/1 R236/1 ;	NROMCS0 = U11/20 U7/20 R424/2 ;	N00216 = R53/2 C49/1 U29/10 ;
N00106 = U35/5 C198/1 R276/1 ;	NROMCS1 = U8/20 U12/20 R418/2 ;	N00217 = R42/2 C12/1 U29/3 R1/2 ;
N00107 = U35/6 C195/1 R283/1 ;	NROMCS2 = U9/20 U13/20 R416/2 ;	N00218 = R45/2 C50/1 U29/5 ;
N00108 = U35/9 C200/1 R240/1 ;	NROMCS3 = U10/20 U14/20 R414/2 ;	N00219 = U29/9 R54/1 R55/2 ;
N00109 = U35/12 C196/1 R289/1 ;	N00173 = U11/1 U7/1 R466/1 ;	N00220 = C204/2 R282/1 ;
N00110 = U35/15 C201/1 R290/1 ;	N00174 = U12/1 U8/1 R469/1 ;	N00221 = U29/6 R159/1 R44/2 ;
N00111 = U35/16 C197/1 R291/1 ;	N00175 = U22/26 R424/1 ;	N00222 = C205/2 R321/2 U82/1 ;
N00112 = U35/19 C199/1 R295/1 ;	N00176 = U22/25 R418/1 ;	N00223 = C165/NEG R48/2 C177/1 L5/2
BANK0 = U65/16 U31/16 ;	N00177 = U22/24 R416/1 ;	;
BANK1 = U65/17 U31/19 ;	N00178 = U22/23 R414/1 ;	N00224 = R169/1 C61/1 R170/2 R1/1
RTC_DATA = U30/9 U65/2 ;	N00179 = U22/21 R388/1 ;	C12/2 C49/2 R55/1 C50/2
N00116 = U30/16 U65/3 ;	N00180 = U22/20 R373/1 ;	R44/1 R321/1 C53/POS ;
N00117 = U65/26 R461/1 ;	N00181 = U22/19 R232/1 ;	N00225 = U82/2 R51/1 R50/2 R303/1 ;
N00118 = U65/25 R462/1 ;	N00182 = U22/18 R231/1 ;	N00226 = R303/2 C54/1 ;
N00119 = U65/20 R457/1 ;	N00183 = U22/16 R452/2 ;	N00227 = R50/1 C102/POS ;
N00120 = U65/19 R459/1 ;	N00184 = P2/2 U22/13 ;	N00228 = R52/1 C57/1 ;
N00121 = U65/18 R460/1 ;	N00185 = L1/2 D11/CATHODE R41/2	PN1 = U85/1 R391/1 P7/1 ;
N00122 = R157/1 C501/1 U149/20 ;	C167/POS	PN2 = R471/2 R137/1 U85/2 P7/2 ;
N00123 = U149/23 C501/2 R156/2 ;	C45/1 R28/2 Q6/EMITTER R32/2	PN3 = R149/1 U85/3 P7/3 ;



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



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



BLUE = P22/A10 R40/2 ;	STMD5 = P22/A30 R290/2 ;	EA2 = P21/C26 R386/2 ;
DSR3 = P20/C11 P23/63 ;	STMST0 = P22/A32 R291/2 ;	EA3 = P21/A25 R393/2 ;
VSYNC = P22/B11 R27/2 C179/1 ;	STMST1 = P22/C32 R295/2 ;	EA4 = P21/C25 R387/2 ;
I3 = P20/A11 P23/65 ;	D0 = P1/B32 U49/10 U152/10 U10/19 U9/19 U8/19 U7/19 R196/1 ;	EA5 = P21/A24 R401/2 ;
HSYNC = P22/C12 R26/2 C180/1 ;	D1 = P1/C32 U49/9 U152/9 U10/18 U9/18 U8/18 U7/18 R195/1 ;	EA6 = P21/B24 R385/2 ;
SPEAKER = P22/A12 L5/1 ;	D2 = P1/B31 U49/8 U152/8 U10/17 U9/17 U8/17 U7/17 R194/1 ;	EA7 = P21/C24 R383/2 ;
KOUT = P1/C15 P22/B18 R149/2 ;	D3 = P1/C31 U49/7 U152/7 U10/16 U9/16 U8/16 U7/16 R193/1 ;	EA8 = P21/A23 R384/2 ;
NPROMOE2 = P1/C25 R322/1 ;	D4 = P1/A30 U49/5 U152/5 U10/15 U9/15 U8/15 U7/15 R192/1 ;	EA9 = P21/C23 R372/2 ;
NXENABLE = P1/A16 R402/1 U36/27 ;	D5 = P1/B30 U49/4 U152/4 U10/14 U9/14 U8/14 U7/14 R191/1 ;	EA10 = P21/A22 R364/2 ;
NTEST = P1/B14 R121/1 U85/5 P7/5 ;	D6 = P1/C30 U49/3 U152/3 U10/13 U9/13 U8/13 U7/13 R190/1 ;	EA11 = P21/B22 R370/2 ;
NREPLACE = P1/B13 U22/17 R465/1 ;	D7 = P1/B29 U49/2 U152/2 U10/12 U9/12 U8/12 U7/12 R189/1 ;	EA12 = P21/C22 R365/2 ;
NIL2 = P1/A11 P36/13 U85/133 R464/1 C212/1 ;	D8 = P1/C29 U49/31 U152/33 U10/10 U9/10 U8/10 U7/10 R188/1 ;	EA13 = P21/A21 R371/2 ;
NRBE = P1/C2 R377/2 ;	D9 = P1/A28 U49/32 U152/34 U10/9 U9/9 U8/9 U7/9 R187/1 ;	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 ;
NRBL = P1/B2 R379/2 ;	D10 = P1/B28 U49/33 U152/35 U10/8 U9/8 U8/8 U7/8 R186/1 ;	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 ;
NIORQ = P1/C3 R380/2 ;	D11 = P1/C28 U49/34 U152/36 U10/7 U9/7 U8/7 U7/7 R185/1 ;	LA4 = P1/A23 U3/10 U2/10 U1/10 U53/6 U21/15 U10/23 U9/23 U8/23 U7/23 U14/23 U13/23 U12/23 U11/23 R102/2 ;
NIOGT = P1/B3 R381/2 ;	D12 = P1/B27 U49/36 U152/38 U10/6 U9/6 U8/6 U7/6 R184/1 ;	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 ;
RNW = P1/C4 P21/A17 U55/1 R56/2 ;	D13 = P1/C27 U49/37 U152/39 U10/5 U9/5 U8/5 U7/5 R183/1 ;	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 ;
CLK8M = P1/B4 U72/4 U71/4 U46/8 U60/10 R248/2 ;	D14 = P1/A26 U49/38 U152/40 U10/4 U9/4 U8/4 U7/4 R182/1 ;	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 ;
NWBE = P1/A4 R375/2 ;	D15 = P1/B26 U49/39 U152/41 U10/3 U9/3 U8/3 U7/3 R181/1 ;	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 ;
NWBL = P1/C9 R378/2 ;	D16 = P1/B11 U48/10 U149/10 U14/19 U13/19 U12/19 U11/19 R180/1 ;	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 ;
NROMCS = P1/C12 R212/1 U22/2 R374/2 ;	D17 = P1/C11 U48/9 U149/9 U14/18 U13/18 U12/18 U11/18 R179/1 ;	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 ;
NWE = P1/B12 U1/29 U2/29 U3/29 R390/2 ;	D18 = P1/B10 U48/8 U149/8 U14/17 U13/17 U12/17 U11/17 R177/1 ;	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 ;
NRE = P1/A12 U1/24 U2/24 U3/24 R391/2 ;	D19 = P1/C10 U48/7 U149/7 U14/16 U13/16 U12/16 U11/16 R176/1 ;	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 ;
NRST = P1/C13 R138/1 U85/6 P7/6 ;	D20 = P1/A9 U48/5 U149/5 U14/15 U13/15 U12/15 U11/15 R174/1 ;	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 ;
ECLK8M = P21/C21 R288/2 ;	D21 = P1/B9 U48/4 U149/4 U14/14 U13/14 U12/14 U11/14 R172/1 ;	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 ;
NERESET = P21/A20 R268/2 ;	D22 = P1/A8 U48/3 U149/3 U14/13 U13/13 U12/13 U11/13 R171/1 ;	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
NAEN = P1/B15 U67/4 U68/4 R61/2 ;	D23 = P1/C8 U48/2 U149/2 U14/12 U13/12 U12/12 U11/12 R141/1 ;	
NEIOW = P21/B20 R148/2 ;	D24 = P1/A7 U48/31 U149/33 U14/10 U13/10 U12/10 U11/10 R140/1 ;	
NIOR = P1/C16 U24/2 U72/37 U71/37 U46/2 R60/2 ;	D25 = P1/B7 U48/32 U149/34 U14/9 U13/9 U12/9 U11/9 R139/1 ;	
NEIOR = P21/C20 R246/2 ;	D26 = P1/C7 U48/33 U149/35 U14/8 U13/8 U12/8 U11/8 R136/1 ;	
NIOW = P1/B16 U24/6 U66/4 U72/36 U71/36 U46/4 R57/2 ;	D27 = P1/A6 U48/34 U149/36 U14/7 U13/7 U12/7 U11/7 R133/1 ;	
NDACK = P21/C18 U55/19 R325/2 ;	D28 = P1/B6 U48/36 U149/38 U14/6 U13/6 U12/6 U11/6 R132/1 ;	
EMCS0 = P21/C4 R71/2 ;	D29 = P1/A5 U48/37 U149/39 U14/5 U13/5 U12/5 U11/5 R131/1 ;	
P24V = P1/A25 L15/2 C66/1 C95/POS C157/1 U45/9 C188/1 U52/7 U52/2 ;	D30 = P1/B5 U48/38 U149/40 U14/4 U13/4 U12/4 U11/4 R130/1 ;	
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 ;	D31 = P1/C5 U48/39 U149/41 U14/3 U13/3 U12/3 U11/3 R125/1 ;	
SPARE10 = 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 ;		
CVPO = 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 ;		



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

NETS

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 ;
NEILO = 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 ;

CCERROR = JP22/A5 P14/19 ;	ED2 = JP21/C30 J2/B20 ;	BACCLIT8 = J3/B16 P10/8 ;
SOLOPT = JP22/C6 P14/15 ;	ED3 = JP21/A29 J2/A20 ;	AL4 = J3/A21 P14/21 ;
232TXD6 = J3/B7 P8/12 ;	ED4 = JP21/C29 J2/B19 ;	AL5 = J3/A22 P14/22 ;
HOPON = JP22/C1 P7/4 ;	ED5 = JP21/A28 J2/A19 ;	VCC = J3/C1 J3/C6 J3/C15 J2/A2
232DTR6 = J3/B4 P8/22 ;	ED6 = JP21/B28 J2/B18 ;	J2/B2 J2/A22 J2/B22 ;
HOPTST = JP22/A1 P7/12 ;	ED7 = JP21/C28 J2/A18 ;	24V = JP21/B31 JP21/C32 JP21/A32
232RTS6 = J3/B8 P8/10 ;	PBS1 = J1/A2 P11/24 ;	J1/A32
HOPDIR = JP22/A29 P7/13 ;	PBS2 = J1/B2 P11/23 ;	J1/B32 JP22/C13 C3/1 C1/1
232RXD6 = J3/A8 P8/11 ;	PBS3 = J1/A3 P11/22 ;	C2/1 P16/2 P17/11 P17/10
SOLDIV = JP22/B2 P14/9 ;	PBS4 = J1/B3 P11/21 ;	P17/12 P13/13 P15/5 P15/6
232DSR6 = J3/A5 P8/23 ;	PBS5 = J1/A4 P11/20 ;	P15/11 P15/12 P14/1 P14/13
CCINH = JP22/A28 P14/6 ;	PBS6 = J1/B4 P11/19 ;	P14/3 P7/11 P7/17 P10/10
232CTS6 = J3/A9 P8/9 ;	PBS7 = J1/A5 P11/18 ;	P12/13 P11/1 P11/13 P2/1
JPBELL = JP22/C2 P13/4 ;	PBS8 = J1/B5 P11/17 ;	P2/13 P2/14 P2/2 P2/15
232DCD6 = J3/B9 P8/8 ;	PBS9 = J1/A6 P11/16 ;	P2/3 P2/16 P2/4 J2/A9
SPEAKER = JP22/A12 P5/1 ;	PBS10 = J1/B6 P11/15 ;	J2/B9 J2/A16 J2/B16 ;
232TXD7 = J3/B10 P8/6 ;	PBS11 = J1/A7 P12/22 ;	GND = JP22/B1 JP22/B3 JP22/B5
SPEAKER2 = JP22/A13 P5/3 ;	PBS12 = J1/B7 P12/21 ;	JP22/B7
232DTR7 = J3/B1 P8/16 ;	PBS13 = J1/A8 P12/20 ;	JP22/A9 JP22/B12 JP22/B19
SPKRGND = JP22/B13 P5/4 P5/2 ;	PBS14 = J1/B8 P12/19 ;	JP22/B21
232RTS7 = J3/B11 P8/4 ;	SPARES1 = J1/A9 P12/18 ;	JP22/B23 JP22/B25 JP22/B27
232RXD7 = J3/A11 P8/5 ;	SPARES2 = J1/B9 P12/17 ;	JP22/B29
RS232TX = JP22/A7 P4/14 ;	PBL1 = J1/A10 P11/2 ;	JP22/B31 JP21/B1 JP21/B3
232DSR7 = J3/A2 P8/17 ;	PBL2 = J1/B10 P11/4 ;	JP21/B5
RS232RX = JP22/A8 P4/7 ;	PBL3 = J1/A11 P11/5 ;	JP21/B7 JP21/B9 JP21/B11
232CTS7 = J3/A12 P8/3 ;	PBL4 = J1/B11 P11/6 ;	JP21/B13
KOUT = JP22/B18 P1/2 ;	PBL5 = J1/A12 P11/7 ;	JP21/B15 JP21/B17 JP21/B19
232DCD7 = J3/B12 P8/2 ;	PBL6 = J1/B12 P11/8 ;	JP21/B21
KIN = JP22/C18 P1/1 ;	PBL7 = J1/A13 P11/9 ;	JP21/B23 JP21/B25 JP21/B27
NPFAIL = JP22/C26 P17/14 ;	PBL8 = J1/B13 P11/10 ;	JP21/B29
SEC_NC = J3/A28 P2/17 ;	PBL9 = J1/A14 P11/11 ;	JP21/C31 JP21/A31 JP21/B32
SEC_NO = J3/B28 P2/18 ;	PBL10 = J1/B14 P11/12 ;	J1/A1
RED = JP22/B9 P4/4 ;	PBL11 = J1/A15 P12/15 ;	J1/B1 J1/A23 J1/B23 J3/C2
SEC_COM = J3/A29 P2/19 ;	PBL12 = J1/B15 P12/16 ;	J3/C7 J3/C8 J3/C16 C1/2
GREEN = JP22/C10 P4/12 ;	PBL13 = J1/A16 P12/1 ;	CHASSIS_GND/1 C3/2 C2/2 P16/3
BLUE = JP22/A10 P4/6 ;	PBL14 = J1/B16 P12/14 ;	P17/3 P17/4 P17/5 P17/7
VSYNC = JP22/B11 P4/9 ;	DRVSP1 = J1/A17 P12/3 ;	C8/2 C7/2 P19/1 P13/10
DDOR_NC = J3/A24 P9/12 ;	DRVSP2 = J1/B17 P12/2 ;	P13/11 P13/21 P13/22 P13/23
HSYNC = JP22/C12 P4/1 ;	HM1 = J1/A24 P2/5 ;	P14/11 P14/12 P14/23 P14/24
DDOR_NO = J3/B24 P9/10 ;	HM2 = J1/B24 P2/6 ;	P15/3 P15/4 P15/9 P15/10
DDOR_COM = J3/A25 P9/9 ;	HM3 = J1/A25 P2/7 ;	P7/14 P7/20 P7/7 P10/14
GNDBLUE = JP22/A11 JP22/C9	HM4 = J1/B25 P2/8 ;	P12/10 P2/12 P2/24 P6/6
JP22/C11 JP22/B10	HM5 = J1/A26 P2/9 ;	P4/13 P3/4 P1/3 P5/8
P4/11 P4/8 P4/3 P4/5 ;	HM6 = J1/B26 P2/10 ;	P5/9 P6/9 J2/B1 J2/B8
GDOR_NC = J3/A26 P9/8 ;	SPAREIO0 = J1/A18 P12/5 ;	J2/A17 J2/B17 J2/A23 J2/B23 ;
GDOR_NO = J3/B26 P9/7 ;	SPAREIO1 = J1/B18 P12/4 ;	N12VI = JP20/B1 JP20/B5 JP20/B9
DIGRED = JP22/C19 P6/7 ;	SPAREIO2 = J1/A19 P12/7 ;	J3/C18 ;
GDOR_COM = J3/A27 P9/1 ;	SPAREIO3 = J1/B19 P12/6 ;	P12VI = JP20/B3 JP20/B7 JP20/B11
DIGGREEN = JP22/A19 P6/1 ;	SPAREIO4 = J1/A20 P12/9 ;	J3/B3
DIGBLUE = JP22/C20 P6/8 ;	SPAREIO5 = J1/B20 P12/8 ;	J3/B6 J3/C12 J3/C17 P23/12
DIGCSYNC = JP22/A18 P6/3 ;	LTL1 = J1/A27 P2/20 ;	P8/13 P8/19 ;
EA2 = JP21/C26 J2/B15 ;	LTL2 = J1/B27 P2/21 ;	GNDISOL = JP20/B2 JP20/B6 JP20/B10
EA3 = JP21/A25 J2/A15 ;	LTL3 = J1/A28 P2/22 ;	J3/A7
EA4 = JP21/C25 J2/B14 ;	LTL4 = J1/B28 P2/23 ;	J3/A10 P23/24 P13/18 P7/10
EA5 = JP21/A24 J2/A14 ;	AL1 = J1/A29 P14/18 ;	P8/1 P8/7 ;
EA6 = JP21/B24 J2/B13 ;	AL2 = J1/B29 P14/17 ;	L12VDC = JP22/A24 J3/C26 ;
EA7 = JP21/C24 J2/A13 ;	AL3 = J1/A30 P14/16 ;	L5VDC = JP22/B14 JP22/A15 J3/C27
EA8 = JP21/A23 J2/B12 ;	BACCLIT1 = J3/A17 P10/1 ;	J3/C28 ;
EA9 = JP21/C23 J2/A12 ;	BACCLIT2 = J3/B17 P10/2 ;	LGND = JP22/C14 JP22/A14 JP22/B15
EA10 = JP21/A22 J2/B11 ;	BACCLIT3 = J3/A18 P10/3 ;	JP22/C16
EA11 = JP21/B22 J2/A11 ;	BACCLIT4 = J3/B18 P10/4 ;	JP22/A16 JP22/B17 J3/C29 J3/C30
EA12 = JP21/C22 J2/B10 ;	BACCLIT5 = J3/A19 P10/5 ;	J3/C31 J3/C32 ;
ED0 = JP21/A30 J2/B21 ;	BACCLIT6 = J3/B19 P10/6 ;	
ED1 = JP21/B30 J2/A21 ;	BACCLIT7 = J3/A20 P10/7 ;	



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
- C24, % 0.1UF
- C25, % 0.1UF
- C26, % 0.1UF
- C27, % 0.1UF
- C28, % 0.1UF
- C29, % 0.1UF
- C30, % 0.1UF
- C31, % 0.1UF
- C32, % 0.1UF
- C33, % 0.1UF
- C34, % 0.1UF
- C36, % 0.1UF
- C37, % 0.1UF
- C48, % 0.1UF
- C49, % 0.1UF
- C52, % 0.1UF
- C53, % 0.1UF
- C55, % 0.1UF
- C59, % 0.1UF
- C60, % 0.1UF
- C61, % 0.1UF
- C62, % 0.1UF
- C63, % 0.1UF
- C64, % 0.1UF
- C82, % 0.1UF
- C83, % 0.1UF
- C84, % 0.1UF
- C85, % 0.1UF

- C86, % 0.1UF
- C87, % 0.1UF
- C89, % 0.1UF
- C90, % 0.1UF
- C91, % 0.1UF
- C92, % 0.1UF
- C93, % 0.1UF
- C95, % 0.1UF
- C96, % 0.1UF
- C97, % 0.1UF
- C98, % 0.1UF
- C99, % 0.1UF
- C100, % 0.1UF
- C101, % 0.1UF
- C102, % 0.1UF
- C103, % 0.1UF
- C105, % 0.1UF
- C106, % 0.1UF
- C107, % 0.1UF
- C108, % 0.1UF
- C109, % 0.1UF
- C110, % 0.1UF
- C111, % 0.1UF
- C112, % 0.1UF
- C113, % 0.1UF
- C114, % 0.1UF
- C115, % 0.1UF
- C116, % 0.1UF
- C117, % 0.1UF
- C118, % 0.1UF
- C119, % 0.1UF
- C120, % 0.1UF
- C121, % 0.1UF
- C122, % 0.1UF
- C123, % 0.1UF
- C124, % 0.1UF
- C125, % 0.1UF
- C126, % 0.1UF
- C127, % 0.1UF

- C128, % 0.1UF
- C129, % 0.1UF
- C130, % 0.1UF
- C131, % 0.1UF
- C132, % 0.1UF
- C133, % 0.1UF
- C134, % 0.1UF
- C137, % 0.1UF
- C138, % 0.1UF
- C139, % 0.1UF
- C140, % 0.1UF
- C141; % 0.1UF
- = C104; % 1000UF
- = 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
- = C4, % 100PF
- C5, % 100PF
- C8, % 100PF
- C9, % 100PF
- C10, % 100PF
- C11, % 100PF
- C12, % 100PF
- C13, % 100PF
- C14, % 100PF
- C15, % 100PF
- C16, % 100PF

1000UF
100K

100PF



C17, % 100PF	R48, % 1K	220UH = L1; % 220UH
C18, % 100PF	R67, % 1K	270R = RN1, % 270R
C19, % 100PF	R68, % 1K	RN2; % 270R
C20, % 100PF	R69, % 1K	2K4 = R15, % 2K4
C21, % 100PF	R70, % 1K	R16, % 2K4
C22, % 100PF	R71, % 1K	R17, % 2K4
C23, % 100PF	R78, % 1K	R41, % 2K4
C35, % 100PF	R83, % 1K	R42, % 2K4
C39, % 100PF	R84, % 1K	R43, % 2K4
C40, % 100PF	R88, % 1K	R49, % 2K4
C41, % 100PF	R91, % 1K	R50, % 2K4
C42, % 100PF	R94, % 1K	R51, % 2K4
C43, % 100PF	R95, % 1K	R54, % 2K4
C44, % 100PF	R112, % 1K	R55, % 2K4
C45, % 100PF	R122, % 1K	R64, % 2K4
C50, % 100PF	R123, % 1K	R65, % 2K4
C51, % 100PF	R128, % 1K	R66, % 2K4
C57, % 100PF	R129, % 1K	R72, % 2K4
C58; % 100PF	R135, % 1K	R73, % 2K4
100R = R19, % 100R	R136, % 1K	R74, % 2K4
R24, % 100R	R137, % 1K	R81, % 2K4
R25, % 100R	R138, % 1K	R82, % 2K4
R29, % 100R	R139, % 1K	R86, % 2K4
R31, % 100R	R140, % 1K	R87, % 2K4
R32, % 100R	R141, % 1K	R89, % 2K4
R76, % 100R	R148, % 1K	R90, % 2K4
R77, % 100R	R149, % 1K	R108, % 2K4
R85, % 100R	R156, % 1K	R109, % 2K4
R117, % 100R	R157, % 1K	R118, % 2K4
R180, % 100R	R158, % 1K	R119, % 2K4
R184, % 100R	R159, % 1K	R133, % 2K4
R190; % 100R	R160, % 1K	R134, % 2K4
100UF = C46, % 100UF	R163, % 1K	R154, % 2K4
C88, % 100UF	R164, % 1K	R155; % 2K4
C135; % 100UF	R169, % 1K	39K = R150, % 39K
10K = RN5, % 10K	R170, % 1K	R151, % 39K
R20, % 10K	R185; % 1K	R152, % 39K
R21, % 10K	1K/ .5W = R33, % 1K/ .5W	R153, % 39K
R22, % 10K	R34, % 1K/ .5W	R161, % 39K
R23, % 10K	R35, % 1K/ .5W	R162; % 39K
R28, % 10K	R36, % 1K/ .5W	3K = R130; % 3K
R146, % 10K	R37, % 1K/ .5W	41612A = J3; % 41612A
R147; % 10K	R38, % 1K/ .5W	470R = R75, % 470R
10UF = C38, % 10UF	R39, % 1K/ .5W	R92, % 470R
C54, % 10UF	R40, % 1K/ .5W	R93, % 470R
C65; % 10UF	R56, % 1K/ .5W	R97, % 470R
150R = R116; % 150R	R57, % 1K/ .5W	R99, % 470R
16C452 = U5, % 16C452	R58, % 1K/ .5W	R110, % 470R
U14; % 16C452	R59, % 1K/ .5W	R111, % 470R
1K = R1, % 1K	R60, % 1K/ .5W	R120, % 470R
R2, % 1K	R61, % 1K/ .5W	R121, % 470R
R3, % 1K	R62, % 1K/ .5W	R125, % 470R
R4, % 1K	R63; % 1K/ .5W	R127, % 470R
R5, % 1K	1N4004 = D1, % 1N4004	R143, % 470R
R6, % 1K	D2; % 1N4004	R145, % 470R
R7, % 1K	1N5819 = D3, % 1N5819	R166, % 470R
R8, % 1K	D4; % 1N5819	R168, % 470R
R9, % 1K	1R = R114, % 1R	R174, % 470R
R10, % 1K	R115; % 1R	R187, % 470R
R11, % 1K	= U31, % 20V8	R189; % 470R
R12, % 1K	U32; % 20V8	47NF = C66, % 47NF
R13, % 1K	= R18, % 220K	C67, % 47NF
R14, % 1K	R26, % 220K	C68, % 47NF
R44, % 1K	R27, % 220K	C69, % 47NF
R45, % 1K	R30; % 220K	C70, % 47NF
R46, % 1K	220UF = C47, % 220UF	C71, % 47NF
R47, % 1K	C136; % 220UF	C72, % 47NF



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



R117/1 ;	N00316 = ISO5/ANODE R111/2 ;	PBL2 = J1/B10 U11/3 R89/1 ;
N00260 = U19/9 R132/1 ;	N00317 = R135/2 ISO10/COLLECTOR	PBL3 = J1/A11 U11/6 R64/1 ;
N00261 = Q14/EMITTER R116/1 U13/7	U14/28 ;	PBL4 = J1/B11 U11/8 R108/1 ;
R115/1	N00318 = R136/2 ISO9/COLLECTOR	PBL5 = J1/A12 U12/1 R42/1 ;
R114/1 ;	U14/31 ;	PBL6 = J1/B12 U12/3 R90/1 ;
N00262 = Q14/COLLECTOR	N00319 = R157/2 ISO16/COLLECTOR	PBL7 = J1/A13 U12/6 R65/1 ;
D4/CATHODE L1/1 ;	U14/29 ;	PBL8 = J1/B13 U12/8 R109/1 ;
N00263 = L1/2 U13/1 D3/ANODE ;	N00320 = R156/2 ISO15/COLLECTOR	PBL9 = J1/A14 U20/1 R118/1 ;
N00264 = Q14/BASE R116/2 R113/1 ;	U14/41 ;	PBL10 = J1/B14 U20/3 R43/1 ;
INH = U18/15 R191/2	N00321 = ISO7/ANODE R121/2 ;	PBL11 = J1/A15 U20/6 R66/1 ;
Q20/COLLECTOR U10/15	N00322 = ISO8/ANODE R120/2 ;	PBL12 = J1/B15 U20/8 R133/1 ;
U9/15 U19/15 ;	N00323 = ISO6/ANODE R110/2 ;	PBL13 = J1/A16 U21/1 R119/1 ;
N00266 = R29/2 C32/1 R30/1 U19/1 ;	N00324 = R138/2 ISO12/COLLECTOR	PBL14 = J1/B16 U21/3 R134/1 ;
N00267 = R113/2 U13/8 ;	U14/13 ;	DRVSP1 = J1/A17 U21/6 ;
N00268 = F1/4 C56/1 C55/1 R115/2	N00325 = R139/2 ISO11/COLLECTOR	DRVSP2 = J1/B17 U21/8 ;
R114/2 U13/6 C88/1 ;	U14/5 ;	SPAREIO0 = J1/A18 R67/2 ;
N00269 = U13/3 C94/1 ;	N00326 = R148/2 ISO14/COLLECTOR	SPAREIO1 = J1/B18 R44/2 ;
N00270 = U13/5 R112/1 R130/1 ;	U14/8 ;	SPAREIO2 = J1/A19 R68/2 ;
N00271 = U9/9 R100/1 ;	N00327 = R149/2 ISO13/COLLECTOR	SPAREIO3 = J1/B19 R45/2 ;
N00272 = R24/2 C29/1 R27/1 U9/1 ;	U14/62 ;	SPAREIO4 = J1/A20 R69/2 ;
N00273 = U10/9 R101/1 ;	SPRTS = J1/A21 R70/2 ;	SPAREIO5 = J1/B20 R46/2 ;
N00274 = R25/2 C30/1 R26/1 U10/1 ;	SPTS = J1/B21 R47/2 ;	HM1 = J1/A24 U27/1 R153/1 ;
N00275 = U41/8 BT1/+ ;	SPRXD = J1/A22 R71/2 ;	HM2 = J1/B24 U27/3 R152/1 ;
N00276 = U41/7 Q20/BASE ;	SPTXD = J1/B22 R48/2 ;	HM3 = J1/A25 U27/6 R161/1 ;
N00277 = U41/4 R190/1 ;	HOPCOIN = J1/B30 R31/1 ;	HM4 = J1/B25 U27/8 R162/1 ;
N00278 = U18/9 R131/1 ;	HOPHIGH = J1/A31 R32/1 ;	HM5 = J1/A26 U28/1 R150/1 ;
N00279 = R19/2 C24/1 R18/1 U18/1 ;	DOPTIN = J1/B31 C31/1 R28/2 U25/6 ;	HM6 = J1/B26 U28/3 R151/1 ;
INTP = U31/10 U5/59 R177/1 ;	EMIKP2 = J2/A26 ISO1/COLLECTOR	LTL1 = J1/A27 U29/1 R49/1 ;
INTB = U24/13 U31/9 SLK1/2 R179/1 ;	D1/CATHODE ;	LTL2 = J1/B27 U29/3 R72/1 ;
INTA = U24/11 U31/8 R178/1 U5/45 ;	EMIKN2 = J2/B26 ISO1/EMITTER	LTL3 = J1/A28 U29/6 R50/1 ;
INT2A = U24/15 U32/9 U14/45 R182/1	D1/ANODE ;	LTL4 = J1/B28 U29/8 R155/1 ;
;	TXDA+ = J2/A31 R79/1 ;	AL1 = J1/A29 U30/1 R73/1 ;
INT2B = U24/17 U32/10 U14/60 R183/1	TXDA- = J2/B31 R52/1 ;	AL2 = J1/B29 U30/3 R74/1 ;
;	RXDA+ = J2/A32 R80/2 ;	AL3 = J1/A30 U30/6 R51/1 ;
INT2P = U32/11 U14/59 R181/1 ;	RXDA- = J2/B32 R53/2 ;	EA2 = J2/B15 U5/35 U14/35 ;
MSEC1 = U31/6 U26/6 ;	EMIKP1 = J2/A30 ISO2/COLLECTOR	EA3 = J2/A15 U5/34 U14/34 ;
MSEC2 = U31/7 U26/11 ;	D2/CATHODE ;	EA4 = J2/B14 U40/14 U40/2 U32/1
SIO2A_CS = U32/15 U14/32 ;	EMIKN1 = J2/B30 ISO2/EMITTER	U5/33 U14/33 ;
SIO2B_CS = U32/16 U14/3 ;	D2/ANODE ;	EA5 = J2/A14 U40/13 U40/3 U32/2 ;
PARP_CS = U32/17 U14/38 ;	LDOR_COM = J2/B3 R29/1 ;	EA6 = J2/B13 U31/1 U32/3 ;
SECR0 = U25/8 R132/2 ;	LDOR_NO = J2/A4 R23/1 ;	EA7 = J2/A13 U31/2 U32/4 ;
SECR1 = U25/11 R100/2 ;	NEIL0 = J2/A5 U32/20 ;	EA8 = J2/B12 U31/3 U32/5 ;
SECR2 = U25/13 R101/2 ;	NDACK = J2/B5 U32/14 U31/23 ;	EA9 = J2/A12 U31/4 U32/6 ;
SECR3 = U25/15 R131/2 ;	IRQDMON = J2/A6 U5/60 SLK1/1 ;	EA10 = J2/B11 U31/5 U32/7 ;
N00295 = U7/11 U40/12 ;	NEIOR = J2/B6 U32/23 U31/11 U5/37	ED0 = J2/B21 U16/18 U17/3 U22/3
N00296 = U22/11 U40/11 ;	U14/37 ;	U7/3 U24/2 U25/9 U37/18
N00297 = U17/1 U17/19 U40/5 ;	NEIOW = J2/A7 U31/14 U5/36 U14/36 ;	U36/18 U39/3 U38/3 U5/14
N00298 = U16/1 U16/19 U40/4 ;	NERESSET = J2/B7 U7/1 U22/1 U39/1	U14/14 ;
N00299 = R75/2 U5/24 ;	U38/1 U5/39 U14/39 ;	ED1 = J2/A21 U16/16 U17/5 U22/4
N00300 = ISO17/ANODE R187/1 ;	ECLK8M = J2/A8 U5/4 U14/4 ;	U7/4 U24/4 U25/7 U37/16
N00301 = ISO18/ANODE R189/1 ;	PBS1 = J1/A2 R56/1 ;	U36/16 U39/4 U38/4 U5/15
N00302 = R185/2 ISO19/COLLECTOR	PBS2 = J1/B2 R33/1 ;	U14/15 ;
U5/41 ;	PBS3 = J1/A3 R57/1 ;	ED2 = J2/B20 U16/14 U17/7 U22/7
N00303 = U31/16 U5/32 ;	PBS4 = J1/B3 R34/1 ;	U7/7 U24/6 U25/5 U37/14
N00304 = U31/17 U5/3 ;	PBS5 = J1/A4 R58/1 ;	U36/14 U39/7 U38/7 U5/16
N00305 = U31/18 U5/38 ;	PBS6 = J1/B4 R35/1 ;	U14/16 ;
N00306 = U31/20 U18/2 U10/2 U9/2	PBS7 = J1/A5 R59/1 ;	ED3 = J2/A20 U16/12 U17/9 U22/8
U19/2 ;	PBS8 = J1/B5 R36/1 ;	U7/8 U24/8 U25/3 U37/12
N00307 = U31/21 U5/63 ;	PBS9 = J1/A6 R60/1 ;	U36/12 U39/8 U38/8 U5/17
N00308 = U40/10 U38/11 ;	PBS10 = J1/B6 R37/1 ;	U14/17 ;
N00309 = U40/9 U39/11 ;	PBS11 = J1/A7 R61/1 ;	ED4 = J2/B19 U16/9 U17/12 U22/13
N00310 = U24/18 U19/10 ;	PBS12 = J1/B7 R38/1 ;	U7/13 U24/9 U25/18 U37/9
N00311 = U24/16 U9/10 ;	PBS13 = J1/A8 R62/1 ;	U36/9 U39/13 U38/13 U5/18
N00312 = U24/14 U10/10 ;	PBS14 = J1/B8 R39/1 ;	U14/18 ;
N00313 = U24/12 U18/10 ;	SPARES1 = J1/A9 R63/1 ;	ED5 = J2/A19 U16/7 U17/14 U22/14
N00314 = ISO3/ANODE R93/2 ;	SPARESW2 = J1/B9 R40/1 ;	U7/14 U24/7 U25/16 U37/7
N00315 = ISO4/ANODE R92/2 ;	PBL1 = J1/A10 U11/1 R41/1 ;	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	C93/1 C92/1 C118/1	R141/1 ;
F1/2	Q16/EMITTER	VBAT = C96/1 R20/2 C25/1 U18/16
C56/2 C55/2 U13/4 C94/2	Q15/EMITTER U35/16 C119/1	R191/1 U41/1 C63/1 R22/2
U13/2 C104/2 D4/ANODE ;	R95/1	C27/1 U10/16 C64/1 R21/2
P5VI = U23/16 C109/1 C108/1	U2/OUT C36/1 C46/1	C26/1 U9/16 C95/1 R23/2
Q11/EMITTER	Q2/EMITTER	C28/1 U19/16 ;
Q10/EMITTER Q12/EMITTER	Q3/EMITTER C61/1 U8/16 C62/1	
Q13/EMITTER U15/16	R94/1 R164/1 R123/1 R122/1	

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	2N2907A	= Q2, % 2N2907A
	C2, % .1UF	Q10;	% 2N2907A
	C3, % .1UF	330R	= R15; % 330R
	C4, % .1UF	470R	= R7, % 470R
	C5, % .1UF	R16,	% 470R
	C6, % .1UF	R31;	% 470R
	C8, % .1UF	4K7	= R3, % 4K7
	C9; % .1UF	R4,	% 4K7
100PF	= C7, % 100PF	R5,	% 4K7
	C10, % 100PF	R6,	% 4K7
	C11; % 100PF	R8,	% 4K7
100R	= R14, % 100R	R9,	% 4K7
	R25, % 100R	R17,	% 4K7
	R28; % 100R	R19,	% 4K7
10K	= R1, % 10K	R22,	% 4K7
	R2, % 10K	R34,	% 4K7
	R26, % 10K	R35,	% 4K7
	R37; % 10K	R39,	% 4K7
150K	= R30; % 150K	R40;	% 4K7
1K	= R10, % 1K	72P EDGE	= J1; % 72P EDGE
	R13, % 1K	BAS16	= D1, % BAS16
	R18, % 1K	D2;	% BAS16
	R20, % 1K	BC847	= Q1, % BC847
	R21, % 1K	Q3,	% BC847
	R27, % 1K	Q4,	% BC847
	R32, % 1K	Q5,	% BC847
	R36, % 1K	Q6,	% BC847
	R38, % 1K	Q7,	% BC847
	R41; % 1K	Q8,	% BC847
20K	= R24, % 20K	Q9;	% BC847
	R29; % 20K	LM78L05ACM	= U3; %
	= R23, % 270R	LM78L05ACM	
	R33; % 270R	MC145406	= U1, % MC145406
2K2	= R11, % 2K2	U2;	% MC145406
	R12; % 2K2	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 ;	CFG29 = J1/36 R33/2 Q8/COLLECTOR ;	CFG8 = R13/1 J1/12 ;
N00009 = Q9/BASE R35/2 ;	CFG9 = R3/1 J1/17 J1/20 J1/16 J1/13 C3/1 U2/1 R5/2	CTS2 = J1/37 U1/4 ;
N00010 = R34/2 TP26/1 Q8/BASE ;	R7/1 R4/2 J1/48 J1/24	CFG32 = J1/44 R10/2 ;
N00011 = TP3/1 R24/2 Q6/BASE ;	U3/8 C6/1 R6/1 C1/1	CFG10 = R11/1 J1/14 ;
N00012 = R17/2 Q5/BASE ;	U1/1 ;	I1 = R27/2 J1/15 ;
N00013 = TP10/1 C11/1 R28/1 Q7/COLLECTOR ;	CFG2 = J1/1 ;	DTR2 = J1/45 U1/5 ;
N00014 = TP13/1 R29/2 Q7/BASE ;	CFG40 = R2/2 Q1/EMITTER Q3/EMITTER J1/70	CFG12 = R12/1 J1/18 ;
N00015 = Q10/COLLECTOR TP38/1 R23/1 ;	J1/51 J1/56 J1/58 C4/2	RTS1 = R25/2 J1/19 ;
N00016 = R22/2 TP37/1 Q10/BASE ;	U2/9 C9/2 R15/1 Q4/EMITTER	DSR2 = J1/39 U1/6 ;
N00017 = TP9/1 C7/1 R14/1 Q4/COLLECTOR ;	C7/2 C3/2 Q7/EMITTER C11/2	CFG34 = J1/49 R18/2 ;
N00018 = U2/15 R22/1 TP36/1 ;	J1/38 J1/34 J1/25 R30/1	DTR1 = R28/2 J1/21 ;
N00019 = TP8/1 R13/2 Q4/BASE R15/2 ;	Q6/EMITTER Q5/EMITTER Q8/EMITTER C10/2	CFG14 = R32/1 R31/1 J1/22 ;
N00020 = U2/13 TP35/1 R20/1 ;	Q9/EMITTER C8/2 C2/2 U1/9	SOUT2 = J1/35 U1/7 ;
N00021 = U2/11 TP33/1 R21/1 ;	U3/7 U3/6 U3/2 U3/3	-12VI = J1/52 J1/26 C8/1 U1/8 C9/1 U2/8 ;
N00022 = TP5/1 R12/2 D1/1 ;	C5/2 J1/72 J1/50 J1/28	CFG18 = R16/2 J1/29 ;
N00023 = R32/2 R31/2 TP21/1 D2/1 ;	C6/2 J1/2 C1/2 ;	CFG17 = R7/2 J1/30 ;
N00024 = TP1/1 R11/2 Q3/COLLECTOR ;	CFG4 = R24/1 J1/3 ;	CFG16 = R30/2 J1/31 ;
N00025 = TP7/1 R1/2 R3/2 Q1/COLLECTOR ;	CFG1 = J1/4 ;	I2 = J1/41 R38/2 R35/1 ;
N00026 = TP2/1 Q3/BASE R1/1 ;	CFG19 = J1/27 R8/2 U1/14 ;	O2 = J1/47 R17/1 R16/1 ;
N00027 = R26/1 Q1/BASE TP6/1 R2/1 ;	CFG21 = J1/40 R19/2 U1/12 ;	SIN3 = U2/2 J1/53 ;
CFG35 = J1/61 J1/64 C4/1 U2/16 R40/1 R39/1 R41/1 Q10/EMITTER	SIN1 = D2/2 J1/5 ;	CFG23 = R39/2 U2/14 J1/54 ;
R36/1 J1/46 J1/42 J1/32	SIN2 = J1/33 R6/2 U1/2 ;	SOUT3 = U2/7 J1/55 ;
R38/1 C2/1 U3/1 C5/1	CFG3 = R4/1 J1/6 ;	CFG25 = R40/2 U2/12 J1/57 ;
U1/16 R8/1 R37/1 R19/1 Q2/EMITTER ;	SOUT1 = R14/2 J1/7 ;	CTS3 = U2/4 J1/59 ;
	CFG6 = R29/1 J1/8 ;	CFG39 = J1/68 R23/2 ;
	CTS1 = R27/1 R26/2 J1/9 ;	CFG27 = R41/2 U2/10 J1/60 ;
	CFG5 = R5/1 J1/10 ;	CFG36 = R20/2 J1/62 ;
	RTS2 = J1/43 U1/3 ;	DSR3 = U2/6 J1/63 ;
	DSR1 = D1/2 J1/11 ;	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

% PULSE MECHANICAL METER BOARD - 410361

Revised: October 21, 1996

% ARISTOCRAT LEISURE INDUSTRIES

%

%

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 ;

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 RAD3220 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	IOCODE	11	IOCODE.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

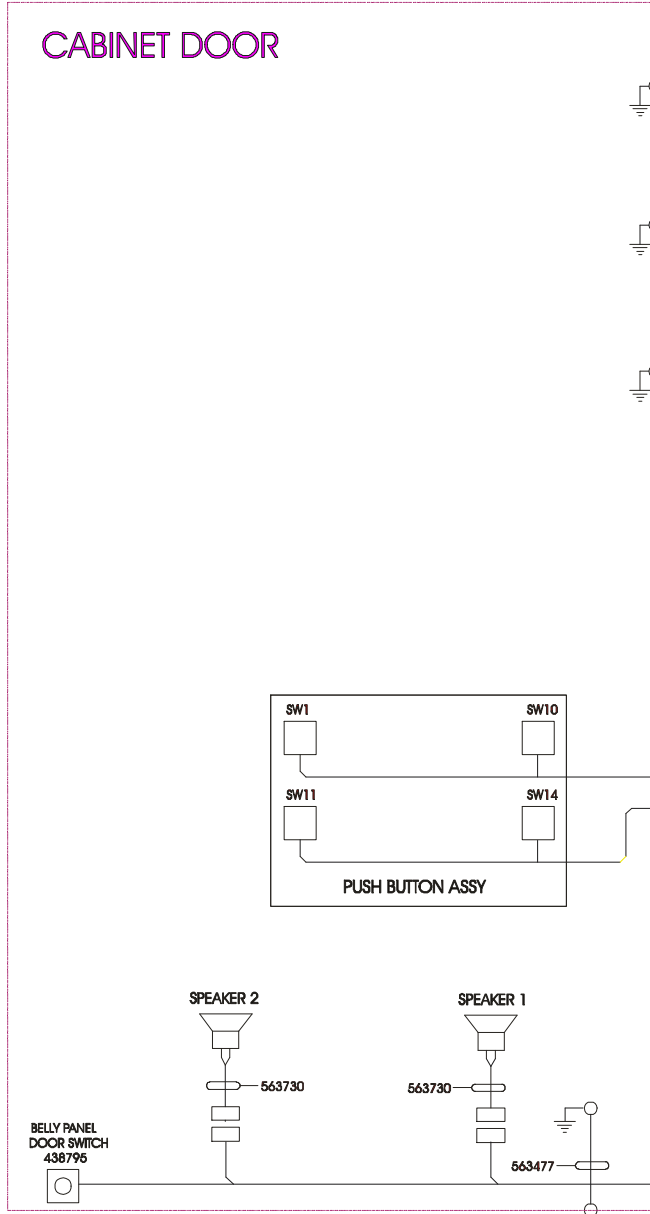
Circuit Diagrams

LOOM	BUTTON ARRANGEMENT	ASSY No
SMALL P/BUTTON	10 P/BUTTON	566765
SMALL PUSHBUTTON	4 P/BUTTON	566766
LARGE P/BUTTON	10 P/BUTTON	565213
LARGE P/BUTTON	4 P/BUTTON	565214

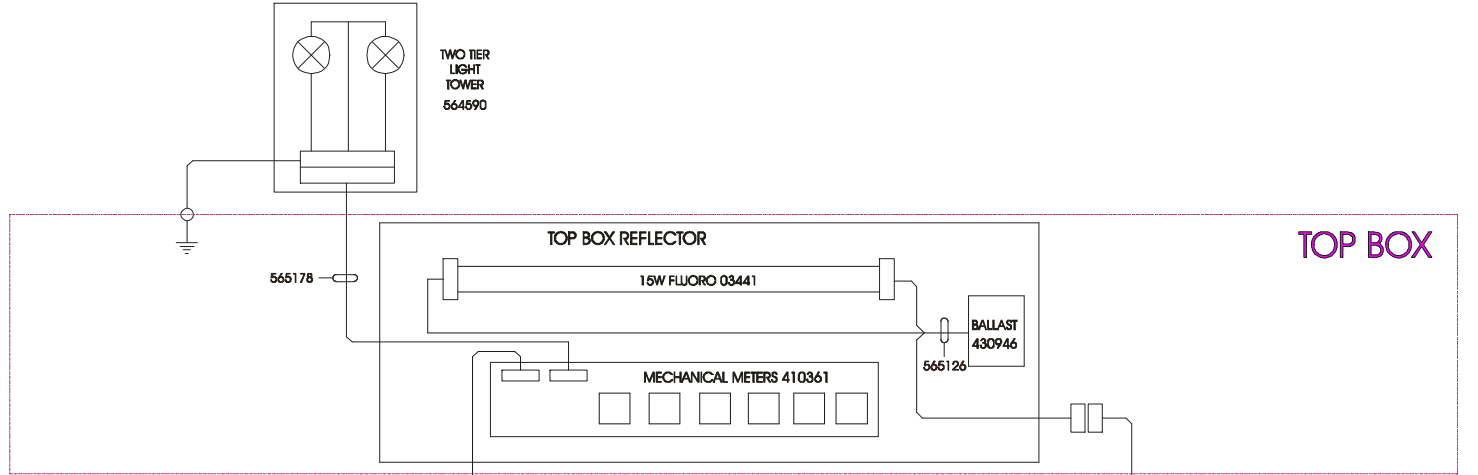
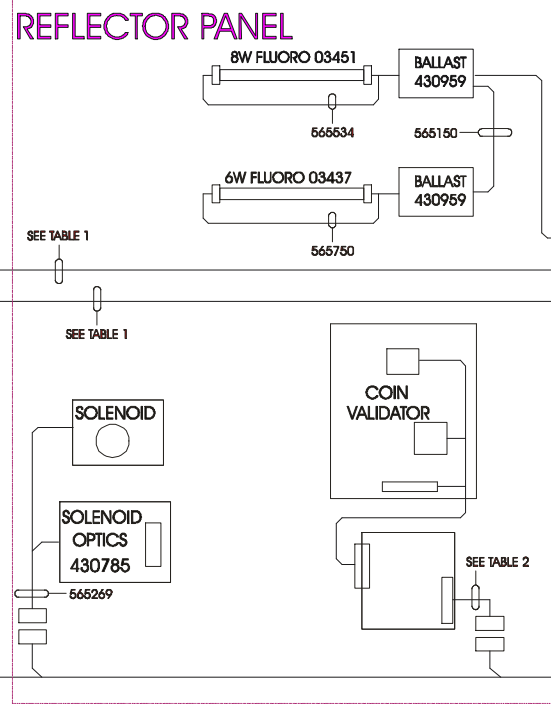
VALIDATOR	LOOM
CC62 564495	566348
CONDOR	568407



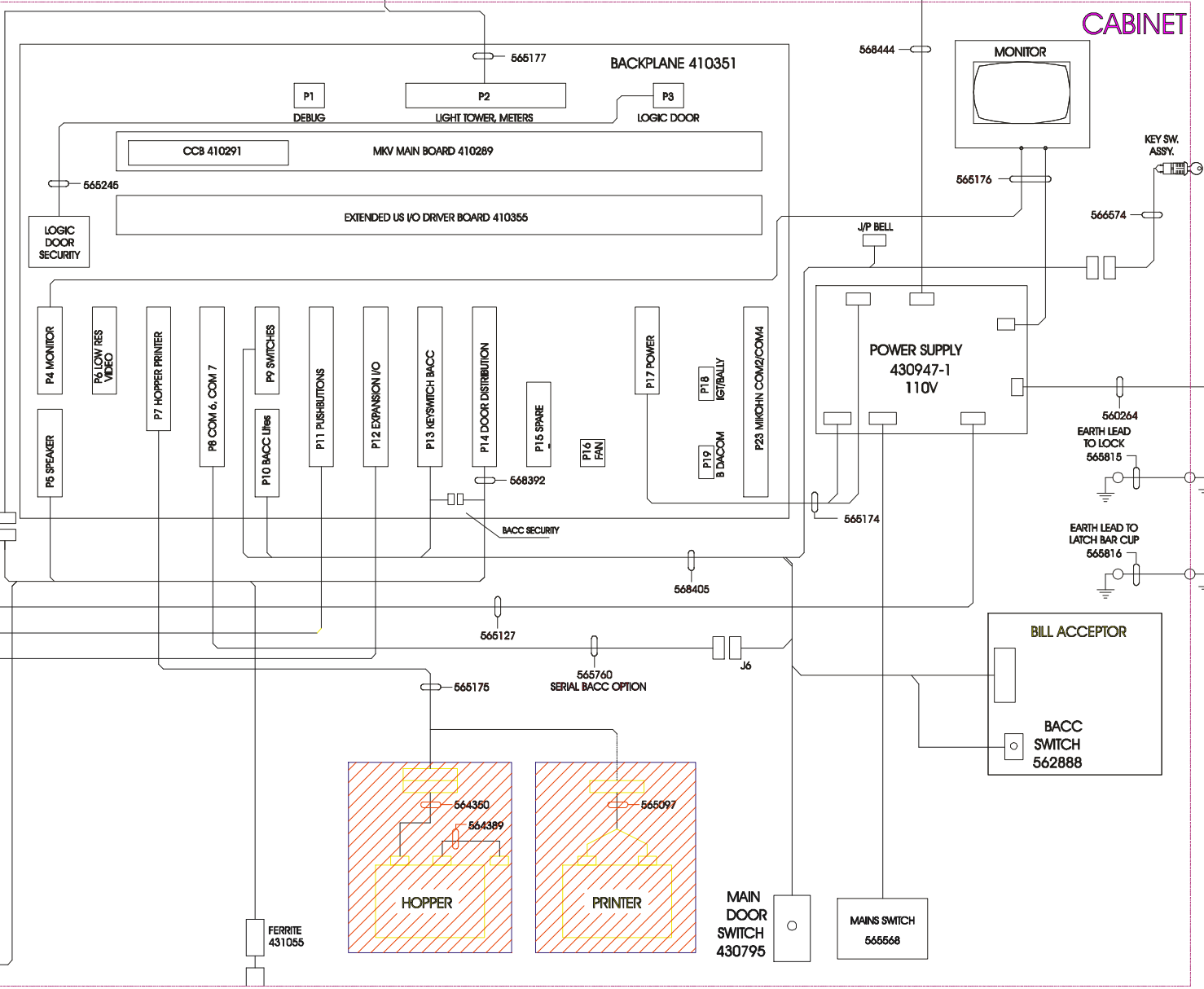
CABINET DOOR



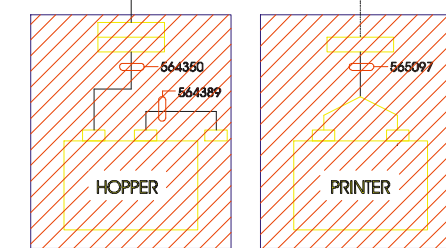
REFLECTOR PANEL



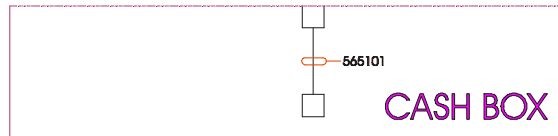
TOP BOX



CABINET



CASH BOX



WD-566773 SHEET 1 OF 1

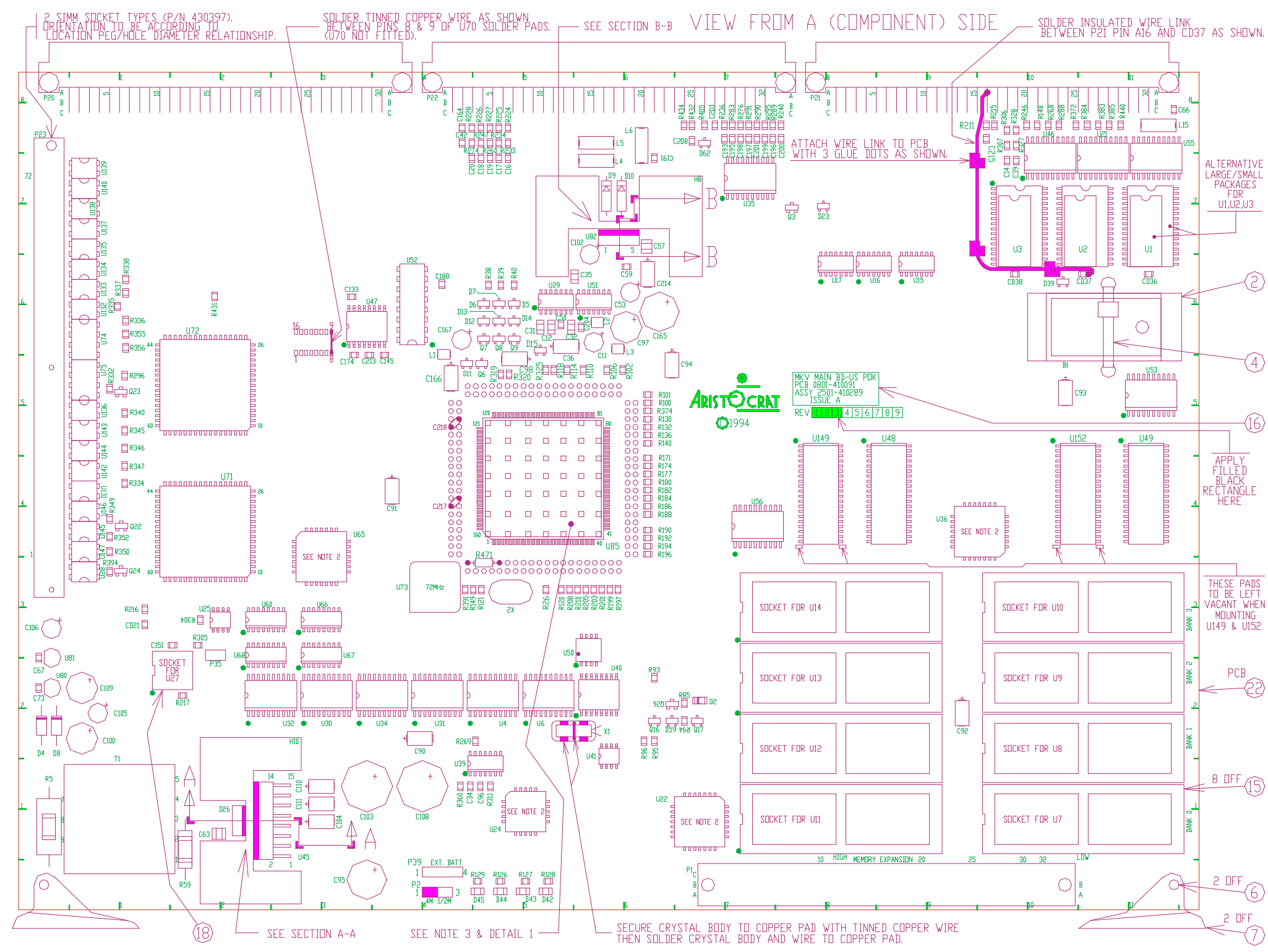
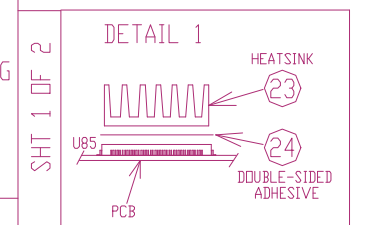
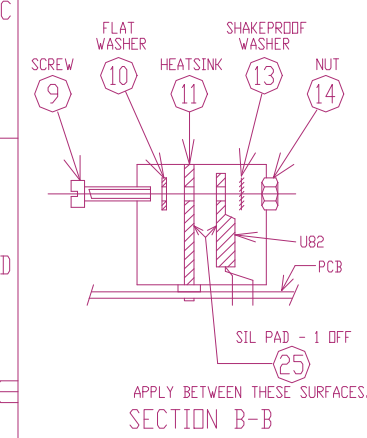
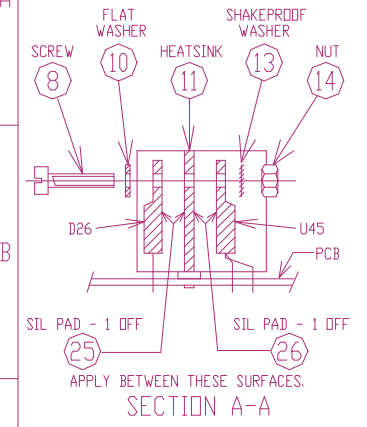
WD-566773 SHEET 1 OF 1

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

<p>ARISTOCRAT LEISURE INDUSTRIES PTY LTD</p> <p>148 DUNDAS ST. W. MELB. VIC. 3000 AUSTRALIA TEL: 03 9412 1111 FAX: 03 9412 1112 PO BOX 188 ROSEBERY VIC 3146 AUSTRALIA TELEPHONE: 01 2 9491400 FACSIMILE: 01 2 9491540</p>										<p>A1</p>	
<p>MVP - USA</p> <p>ASSEMBLY</p> <p>MACHINE WIRING DIAGRAM</p>										<p>DRAWING ISSUE C</p>	
<p>SCALE: NA TOLERANCES: NA DIMENSIONS IN MILLIMETRES DRAWING GENERATED USING AUTOCAD-R13</p>										<p>PART NUMBER ISS REV</p>	
<p>08 02 566773 C NA</p>										<p>ISS</p>	

NOTES FOR FINAL ASSEMBLY

- COMMS CONFIGURATION BOARDS MAY BE INSERTED FROM THE LEFT OR RIGHT SIDE OF CONNECTOR P23 DEPENDING ON WHICH TYPE OF SIMM SOCKET IS FITTED TO PCB ASSEMBLY.
- ADHESIVE PAPER LABEL TO BE AFFIXED TO DEVICE PRINTED WITH THE FOLLOWING INFORMATION:-
-PROGRAMMED PART NUMBER AND PART ISSUE
-COMPONENT REFERENCE DESIGNATOR
ABOVE INFORMATION TO BE TAKEN FROM ASSOCIATED BILL OF MATERIALS
- 1)- APPLY ITEM 24 TO TOP SURFACE OF U85 FIRST WITHOUT BULGES OR WRINKLES.
2)- APPLY ITEM 23 TO ITEM 24 WITH FIRM PRESSURE. (SEE DETAIL 1)



ARISTOCRAT
1994

MKV MAIN BD-US POKR
PCB 0801-410091
ASSY 2501-410289
ISSUE A
REV 4151671819

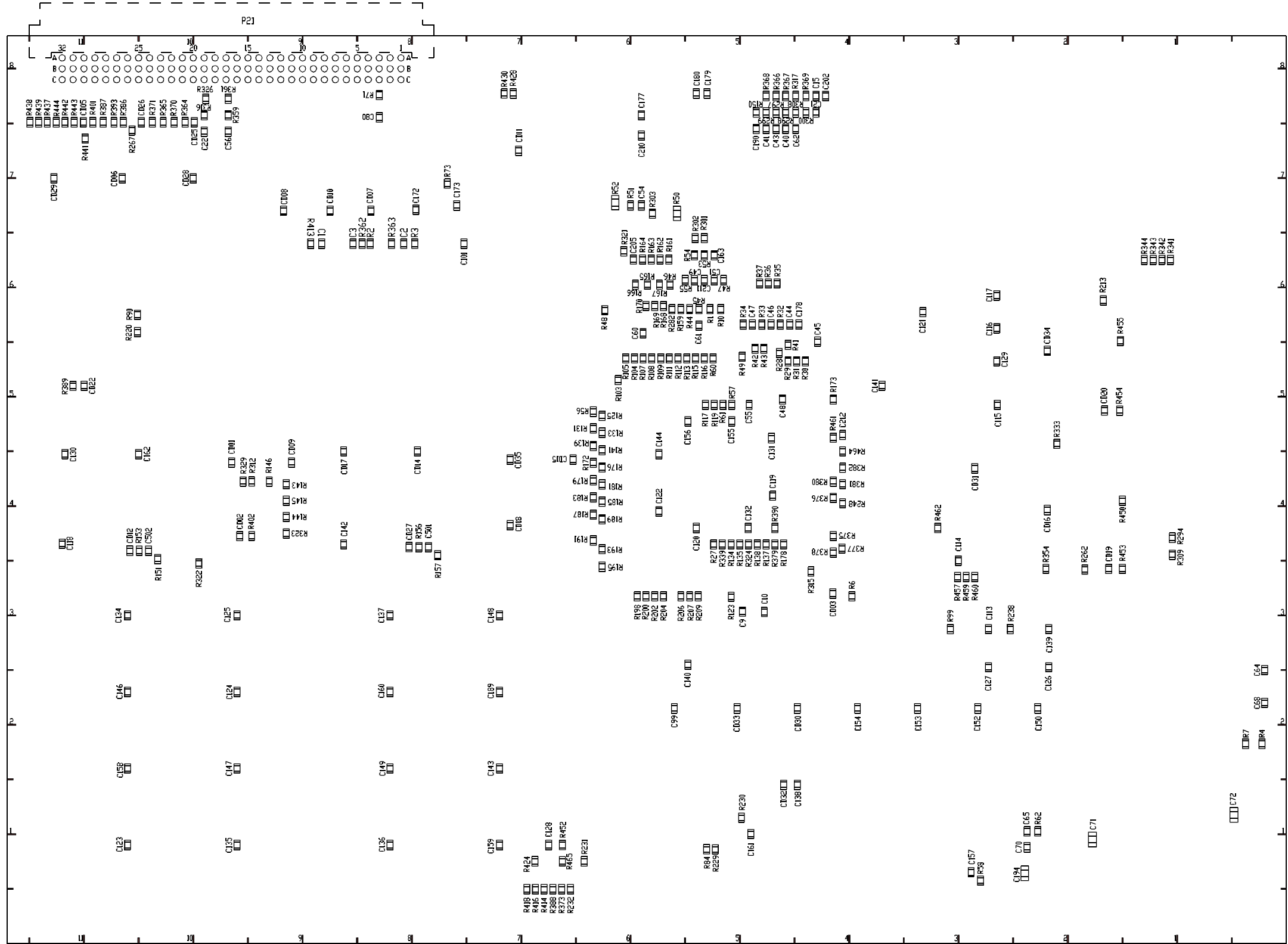
SECURE CRYSTAL BODY TO COPPER PAD WITH TINNED COPPER WIRE THEN SOLDER CRYSTAL BODY AND WIRE TO COPPER PAD.

DO NOT MANUALLY MODIFY 'IF IN DOUBT ASK'

ARISTOCRAT LEISURE INDUSTRIES PTY LTD				DRAWING ISSUE E	
THIS DRAWING IS THE PROPERTY OF THE CO. & CANNOT BE COPIED OR REPRODUCED WITHOUT PERMISSION. PLEASE REPORT ANY ERRORS OR OMISSIONS TO THE DRAWING OFFICE. DO NOT SCALE DRAWING.				SCALE: DO NOT SCALE TOLERANCES: N/A	
DRAWING OFFICE: 4 WAVERLEY RD, BENTLEY VIC 3207 AUSTRALIA TELEPHONE: 03 938331 FACSIMILE: 03 938340				DIMENSIONS IN MILLIMETERS DRAWING GENERATED USING P-CAD VERS. 8.5	
JOB ASSY PART MKV MAIN BOARD - US POKER				PART NUMBER ISS REV	
ASSEMBLY DETAIL A (COMPONENT) SIDE				25101 410289 A 4	

1	REV. 1	DATE
2	REV. 2	DATE
3	REV. 3	DATE
4	REV. 4	DATE
5	REV. 5	DATE

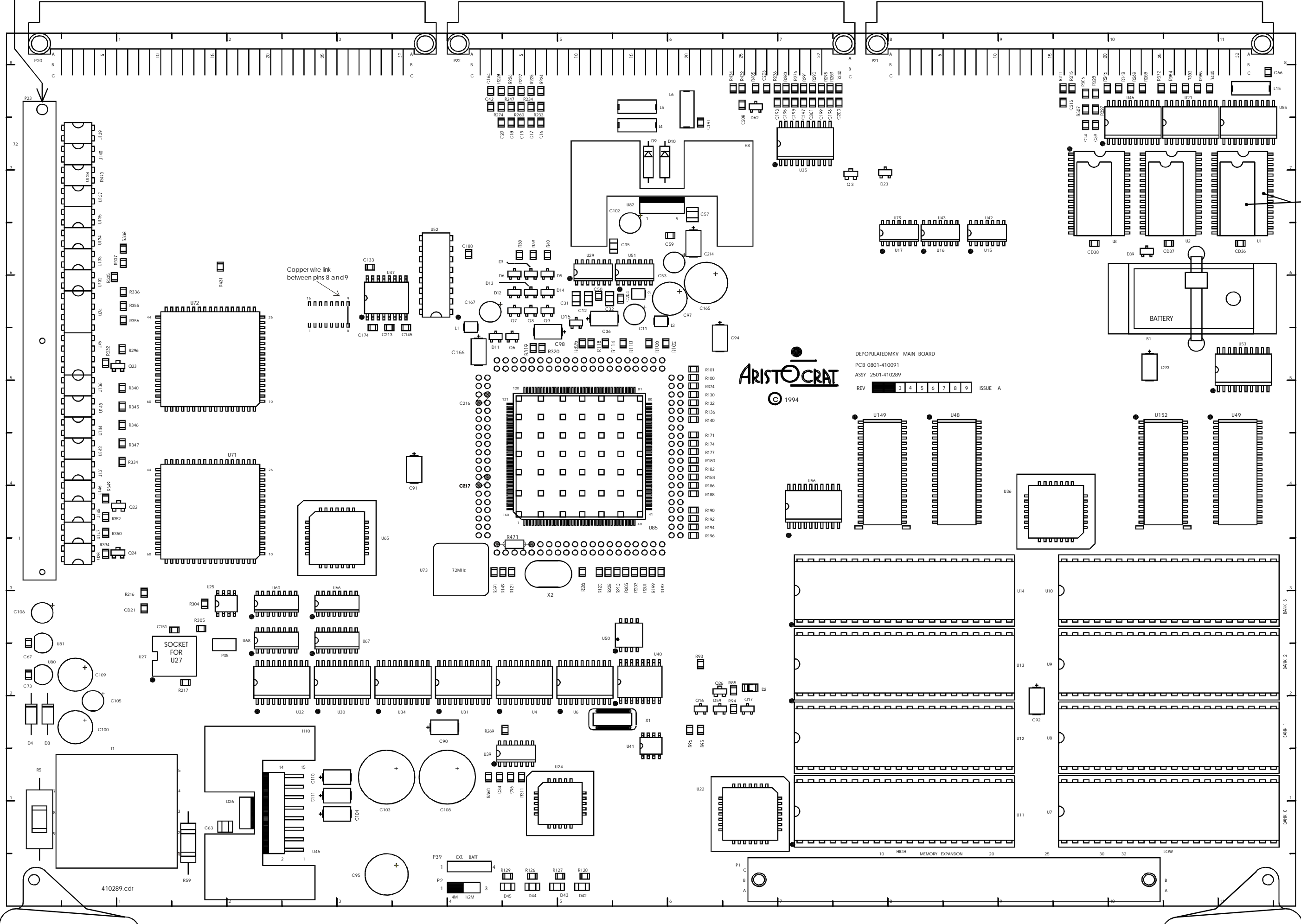
VIEW FROM B (SOLDER) SIDE



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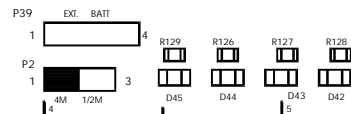
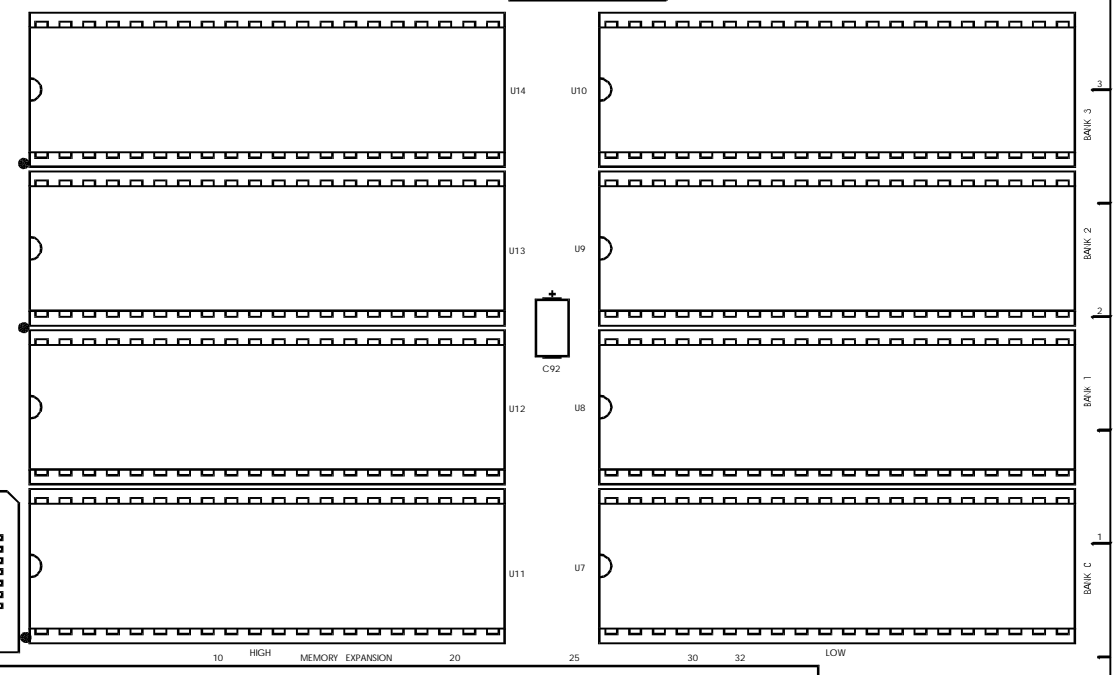
ARISTOCRAT LEISURE INDUSTRIES PTY LTD										A1							
E	VRP LINE VAL IN SUPPLY	41922	7610	RFB	AL	TP	6/1/98	ONE DRAWING IS THE PROPERTY OF THE CO. A CORRECT COPY OF INFORMATION WITHOUT PERMISSION PLEASE REPORT ANY ERRORS OF OMISSION TO THE DRAWING OFFICE - NO NET SCALE DRAWING.				DRAWING ISSUE		E			
D	R333 & R354 VALUE CHANGE	41922	7444	RFB	RS	KL	11/11/97					SCALE		DO NOT SCALE	TOLERANCES	N/A	
C	R222, R314, R342, R389 DELETED; C209, R269, R216 ADDED; HEATSINK ADDED TO U85; WIRE LINK ADDED TO U75 EQUIPMENT	3046	5852.2	RFB	LS	JPR	13/09/96	DRAWING OFFICE: 100/1000 MAIL ADDRESS: 75 BUNN STREET, SYDNEY NSW 1510 TELEPHONE: 41 2 692023 FACSIMILE: 41 2 34240				DIMENSIONS		IN MILLIMETERS	CONV. FROM USCS	85	
B	ADD RIVETS TO P128, P21, P2	3046	4844.2	RFB	TK	SA	5/3/96	JOB: MKV				PART NUMBER		25 01	410289	ISS	REV
A	INTRODUCTION	3046	4844.2	RFB	TK	SA	5/3/96	ASSY: MAIN BOARD - US POKER				PART NUMBER		25 01	410289	A	4
REV. 5	RETAILS	PROJ #	ECCO #	BRN	CHK	APP	DATE	PART: ASSEMBLY DETAIL B (SOLDER) SIDE				PART NUMBER		25 01	410289	A	4

2 SIMM SOCKET TYPES (P/N 430397).
 ORIENTATION TO BE ACCORDING TO
 LOCATION PEG/HOLE DIAMETER RELATIONSHIP

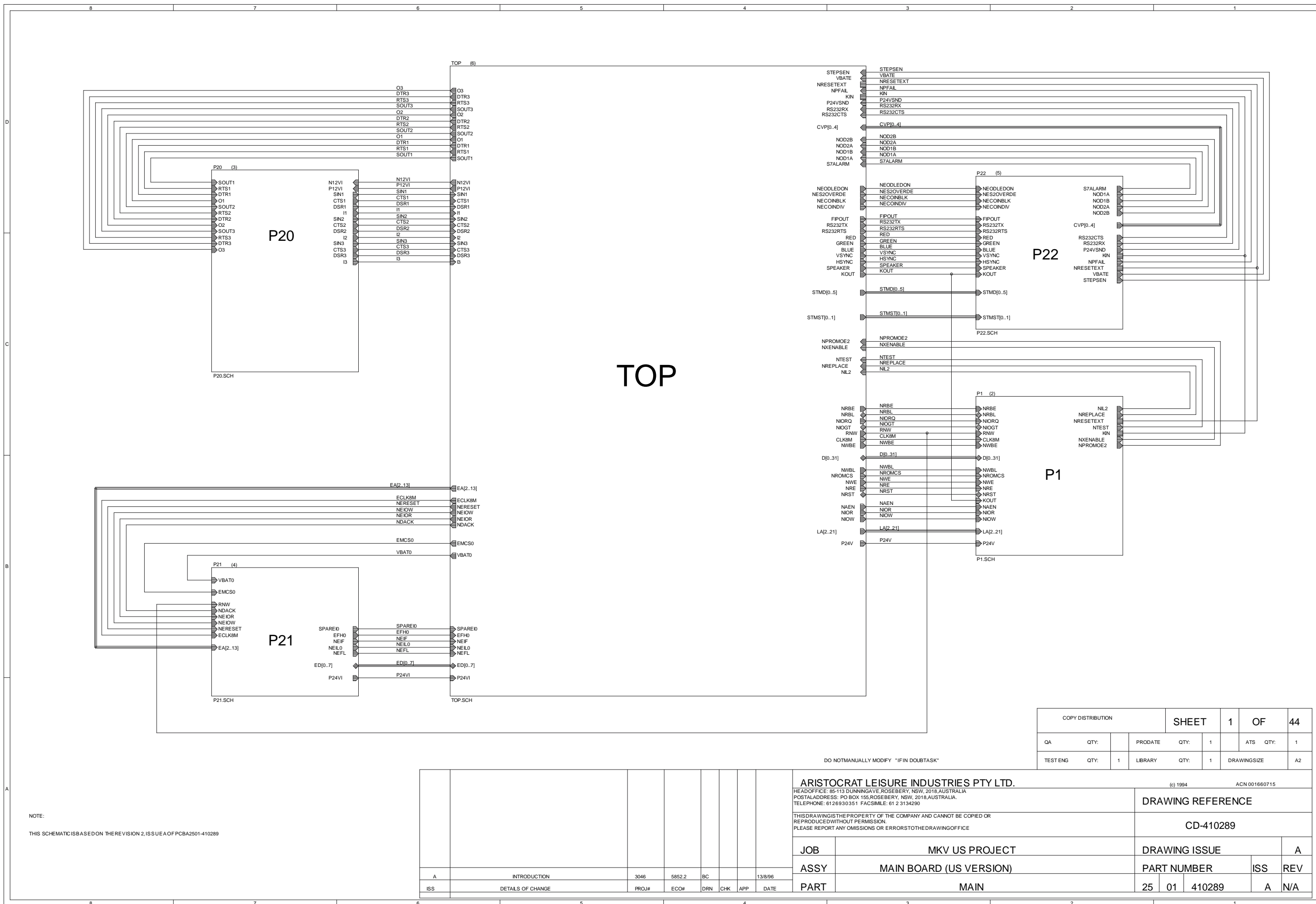


DEPOPULATED MKV MAIN BOARD
 PCB 0801-410091
 ASSY 2501-410289
 REV 3 4 5 6 7 8 9 ISSUE A

ALTERNATIVE
 LARGE/SMALL
 PACKAGES FOR
 U1, U2, U3



410289.cdr



TOP

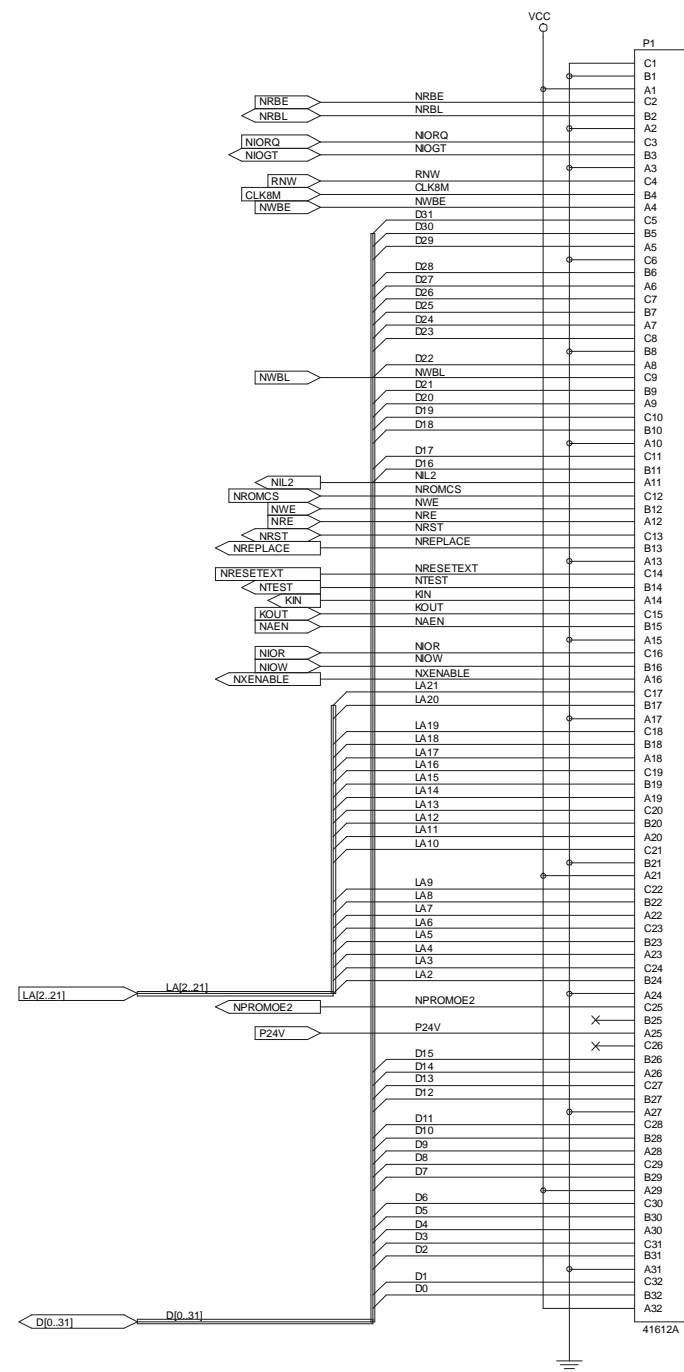
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QA	QTY:	PRODATE	QTY:	1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE	A2	

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JOB MKV US PROJECT		DRAWING ISSUE A			
ASSY MAIN BOARD (US VERSION)		PART NUMBER 25 01 410289		ISS A	
PART MAIN				REV N/A	

NOTE:
THIS SCHEMATIC IS BASED ON THE REVISION 2, ISSUE A OF PCBA2501-410289

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

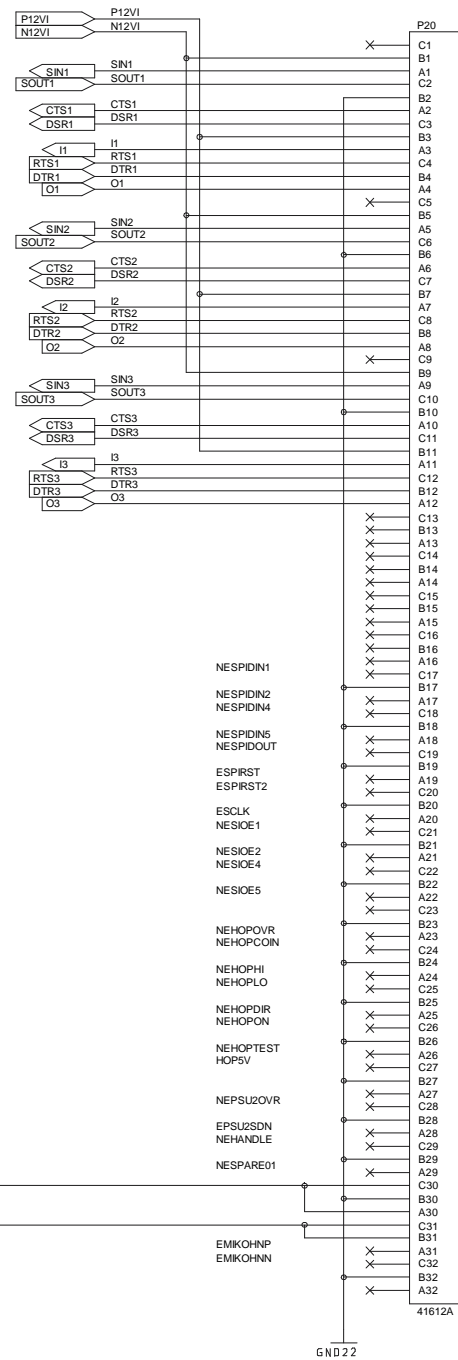


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QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB			MKV US PROJECT				PART NUMBER	
ASSY			MAIN BOARD (US VERSION)				ISS REV	
PART			P1				25 01 410289 A N/A	
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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE	



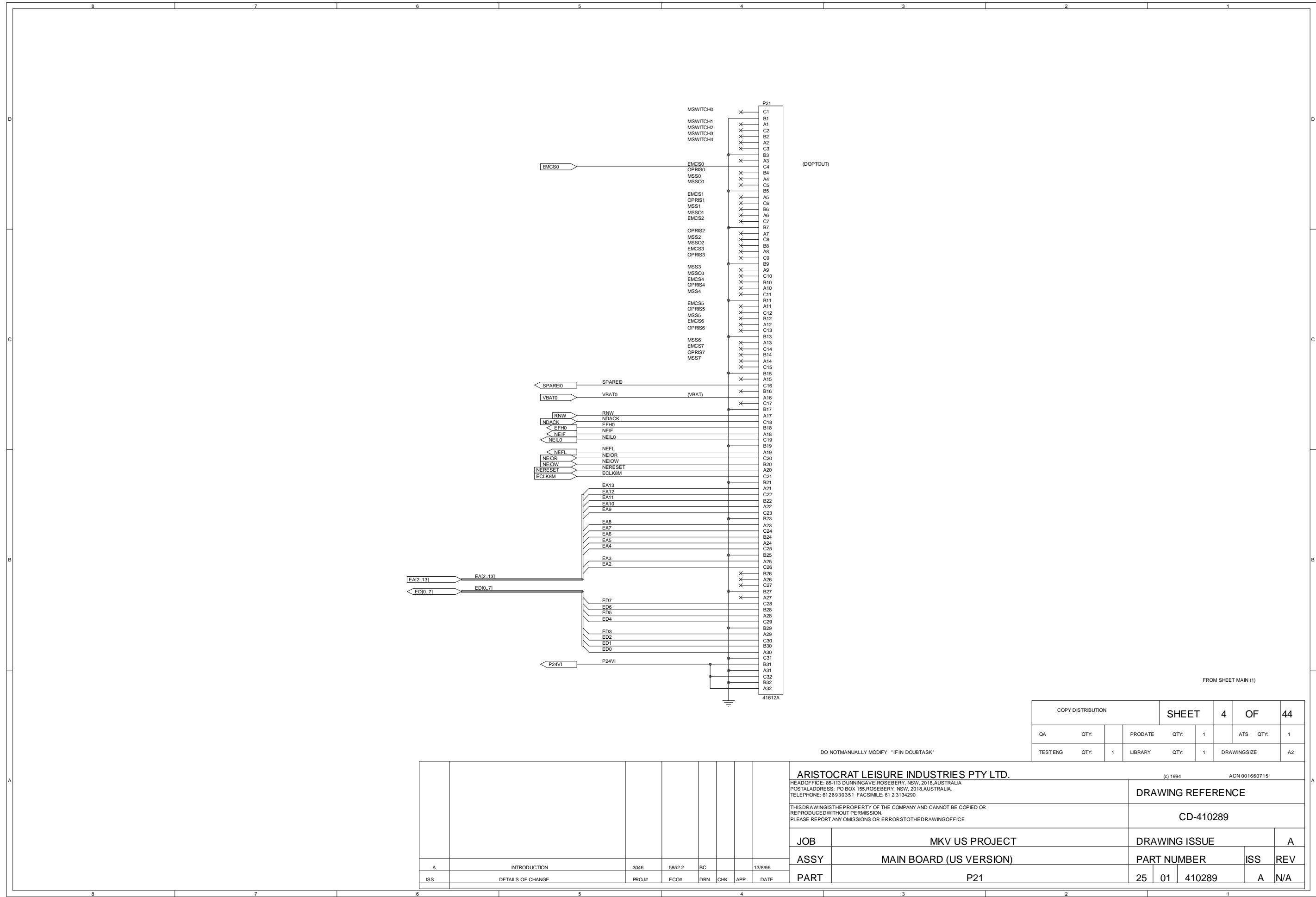
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A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

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JOB	MKV US PROJECT			DRAWING ISSUE		A	
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PART	P20			25	01	410289	A N/A



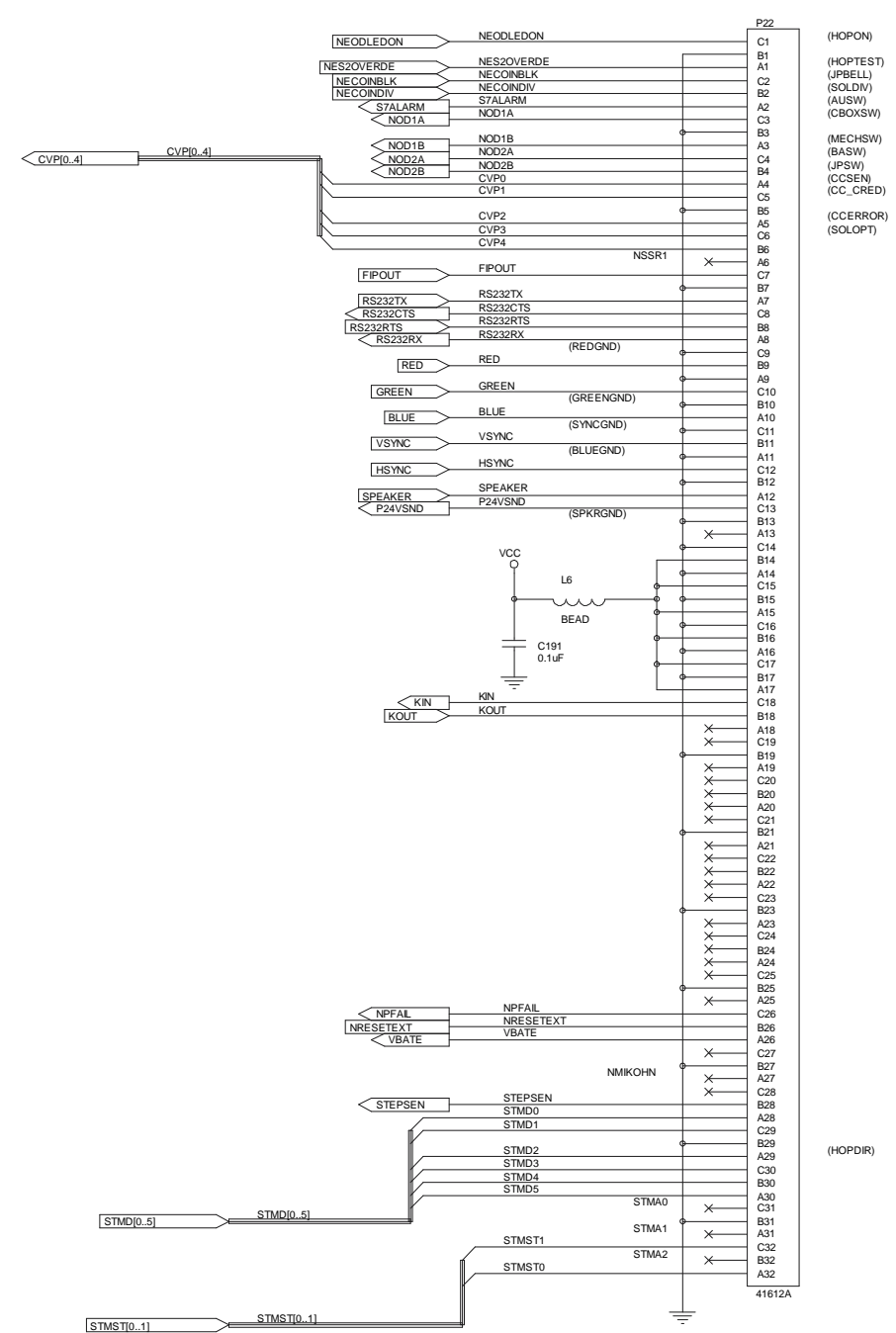
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JOB			MKV US PROJECT				PART NUMBER	
ASSY			MAIN BOARD (US VERSION)				ISS	
PART			P21				REV	
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A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



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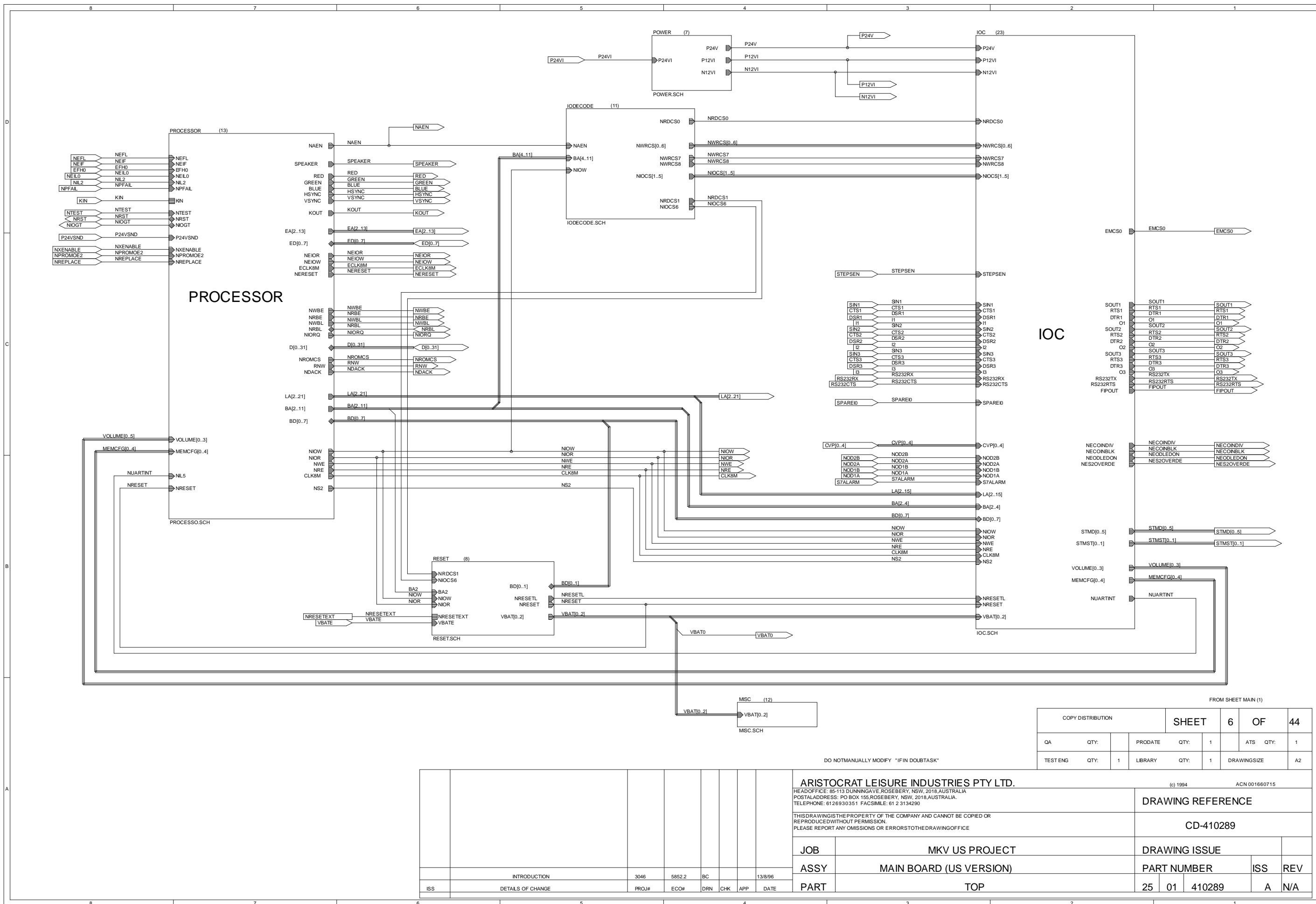
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JOB		MKV US PROJECT				DRAWING ISSUE		A	
ASSY		MAIN BOARD (US VERSION)				PART NUMBER		ISS	REV
PART		P22				25	01	410289	A N/A
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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE		



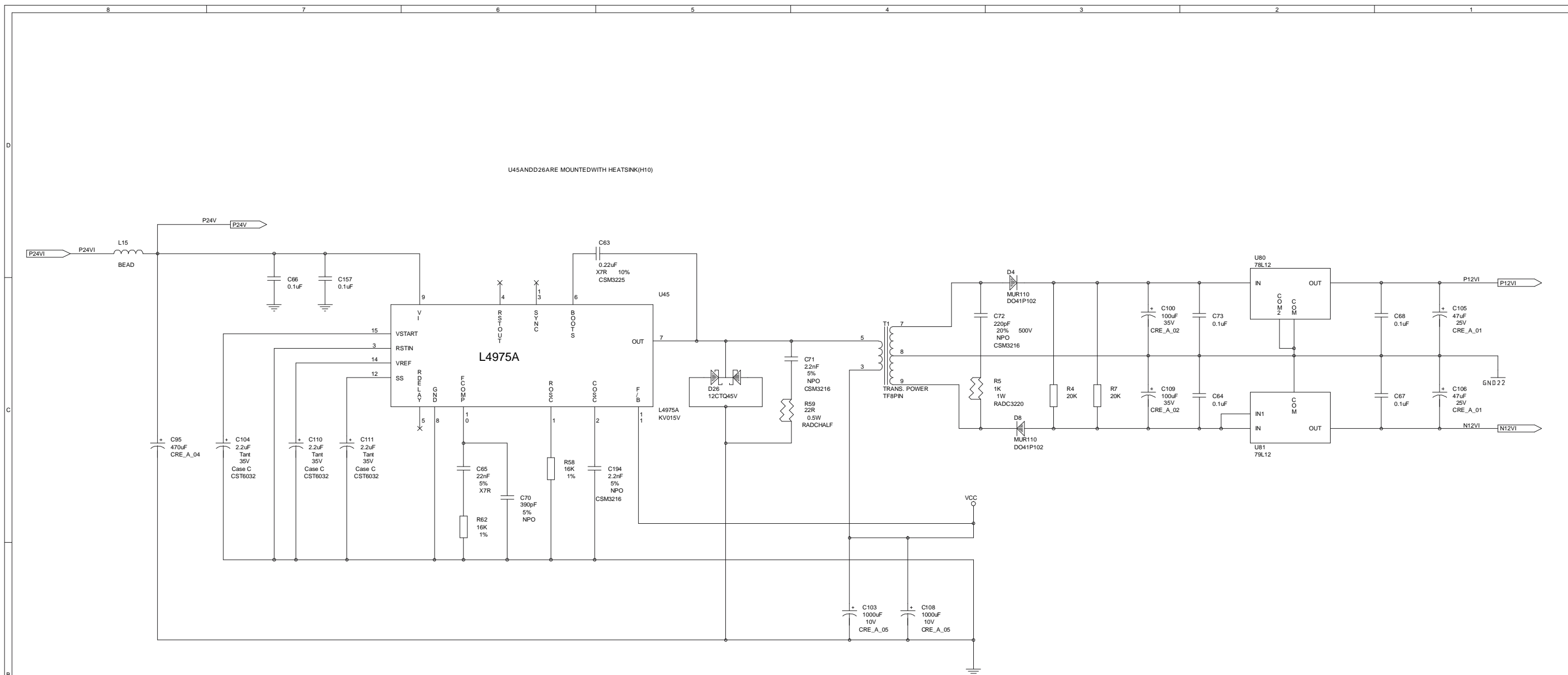
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JOB MKV US PROJECT				ISS			
ASSY MAIN BOARD (US VERSION)				REV			
PART TOP				25 01 410289 A N/A			

INTRODUCTION	3046	5852.2	BC		13/8/96
DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

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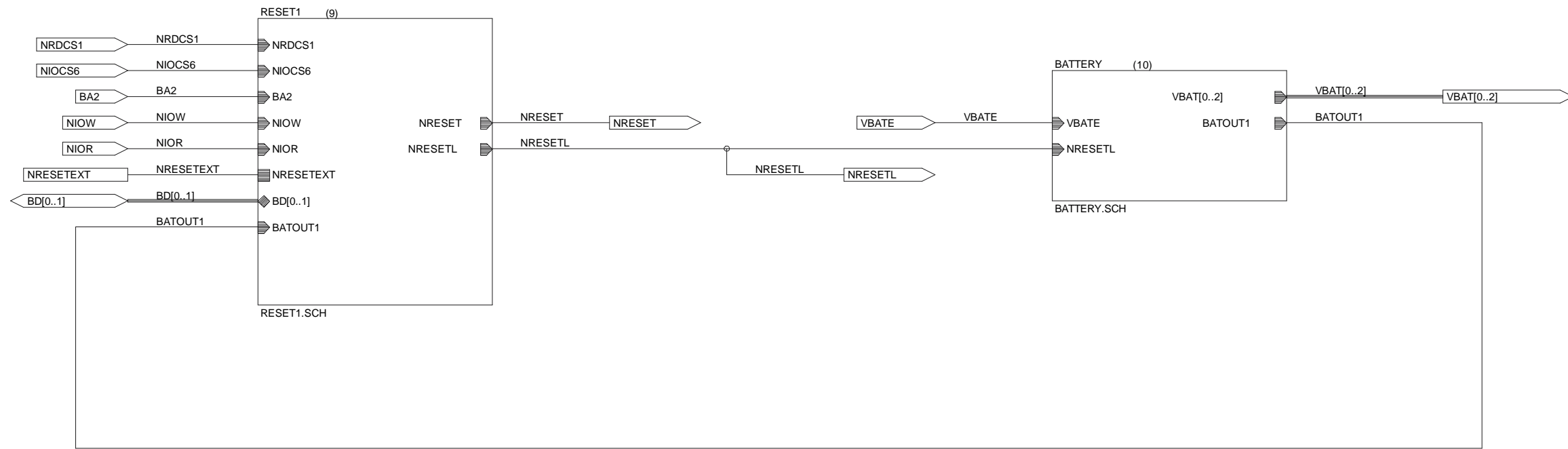
U45 AND D26 ARE MOUNTED WITH HEATSINK (H10)

FROM SHEET TOP (6)

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JOB							MKV US PROJECT		PART NUMBER		
ASSY							MAIN BOARD (US VERSION)		25 01 410289		
PART							POWER		A N/A		
A	INTRODUCTION	3046	5852.2	BC		13/8/96					
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE				



FROM SHEET TOP (6)

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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A3

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DRAWING REFERENCE

CD-410289

JOB MKV US PROJECT

DRAWING ISSUE

A

ASSY MAIN BOARD (US VERSION)

PART NUMBER

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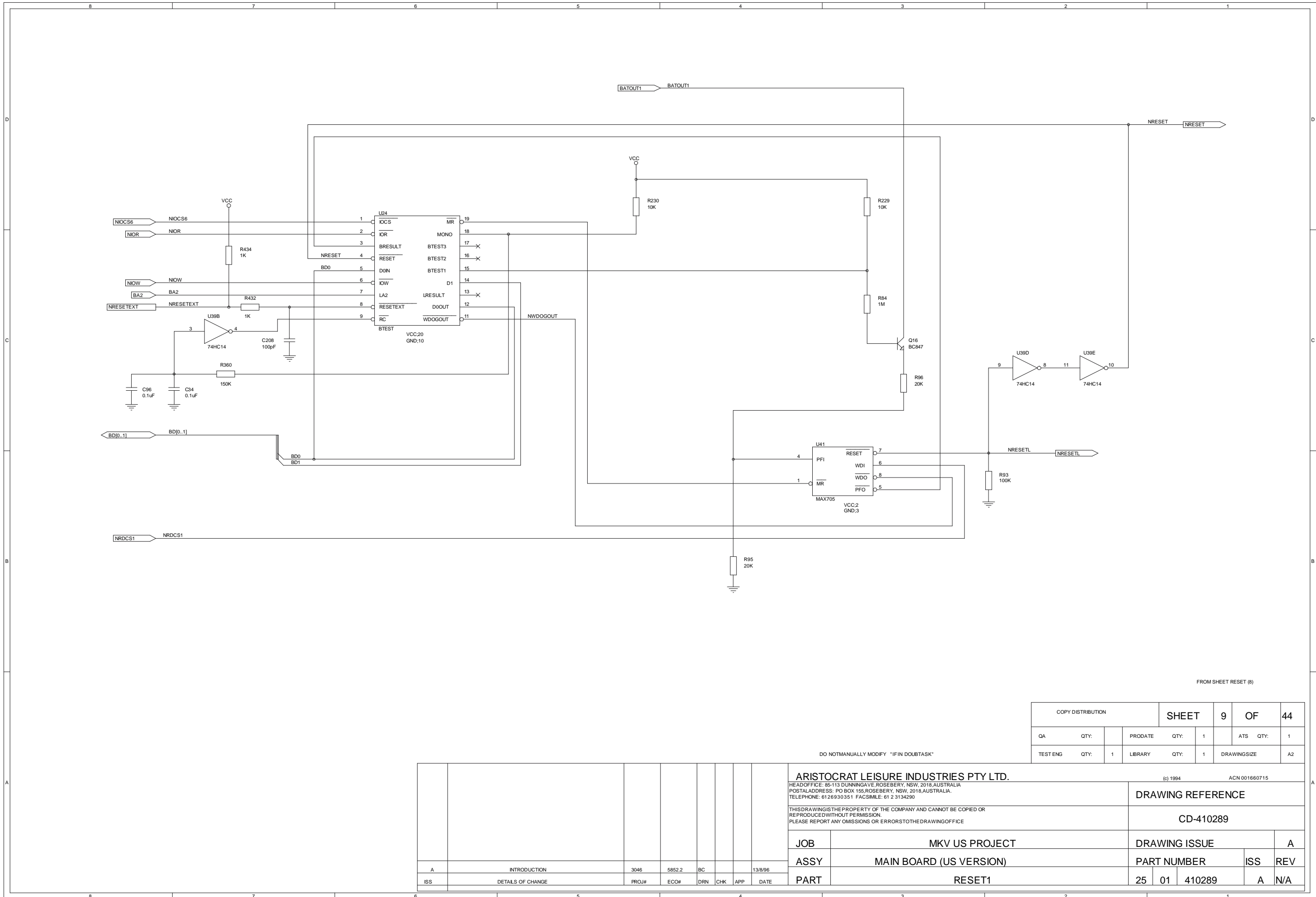
PART RESET

25 01 410289

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A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEET RESET (8)

COPY DISTRIBUTION				SHEET	9	OF	44
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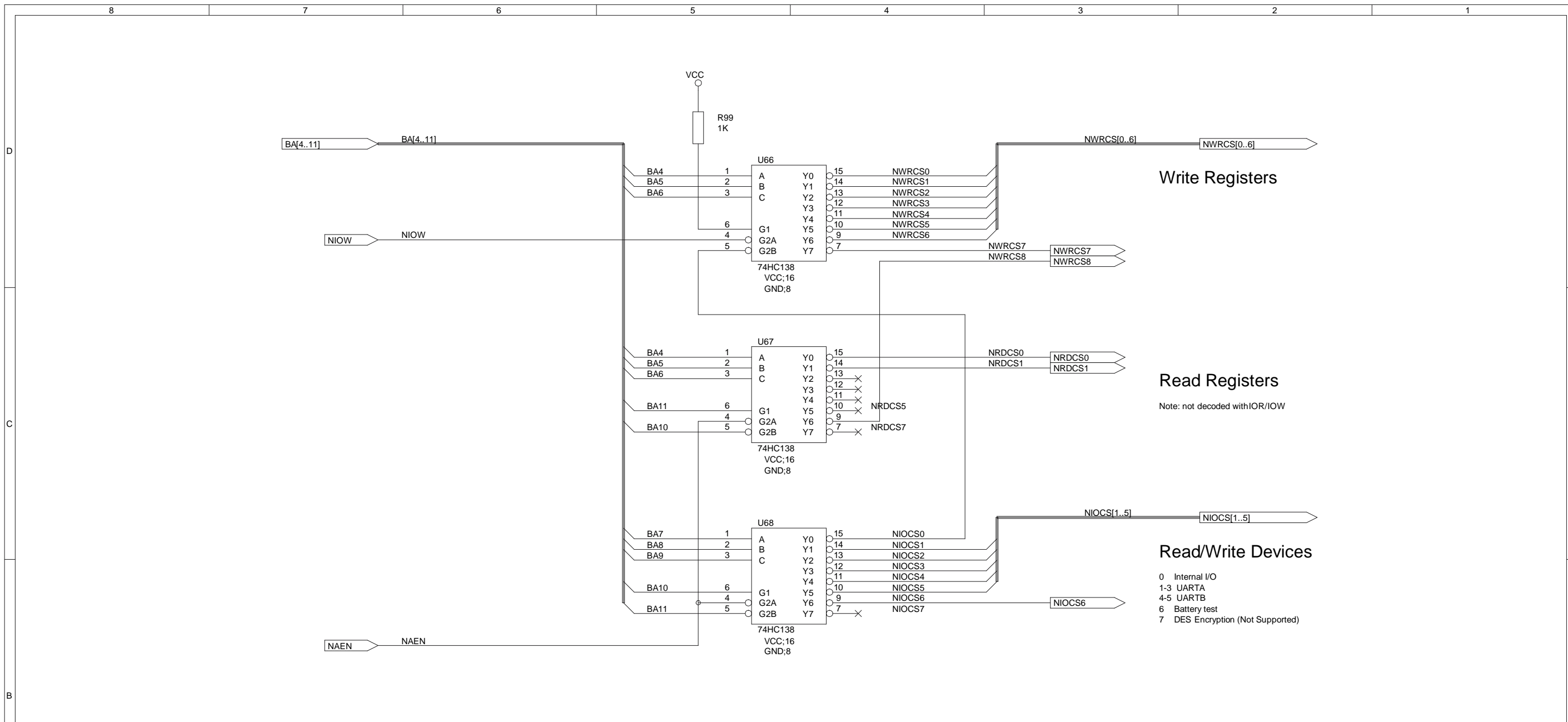
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DRAWING REFERENCE				CD-410289			
JOB				MKV US PROJECT			
ASSY				MAIN BOARD (US VERSION)			
PART				RESET1			
DRAWING ISSUE		PART NUMBER		ISS		REV	
25 01		410289		A		N/A	

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

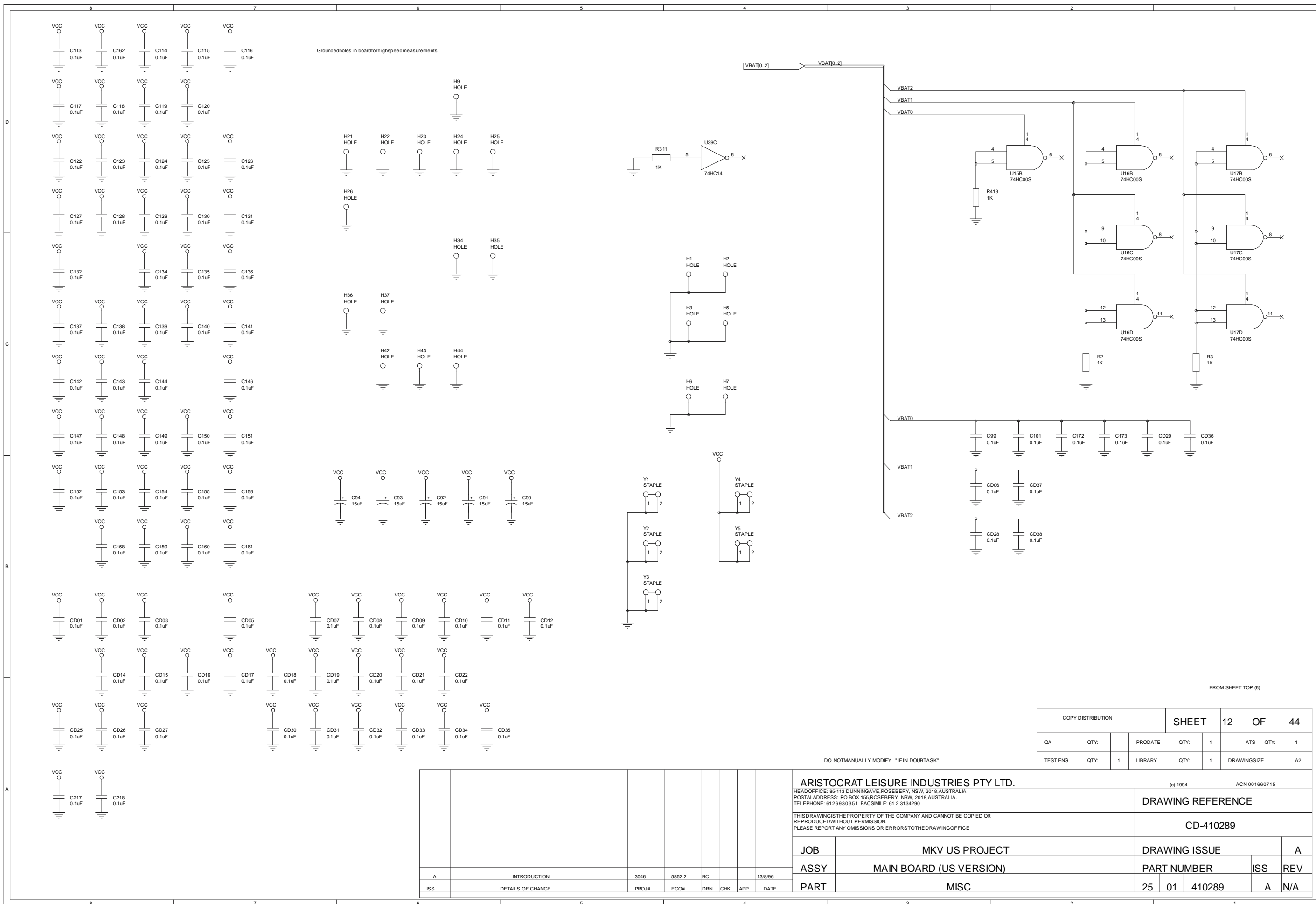


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TEST ENG	QTY:	1	LIBRARY	QTY:	1
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<p>JOB MKV US PROJECT</p>								<p>DRAWING ISSUE A</p>				
<p>ASSY MAIN BOARD (US VERSION)</p>								<p>PART NUMBER</p>		ISS	REV	
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A	INTRODUCTION	3046	5852.2	BC			13/8/96					
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					



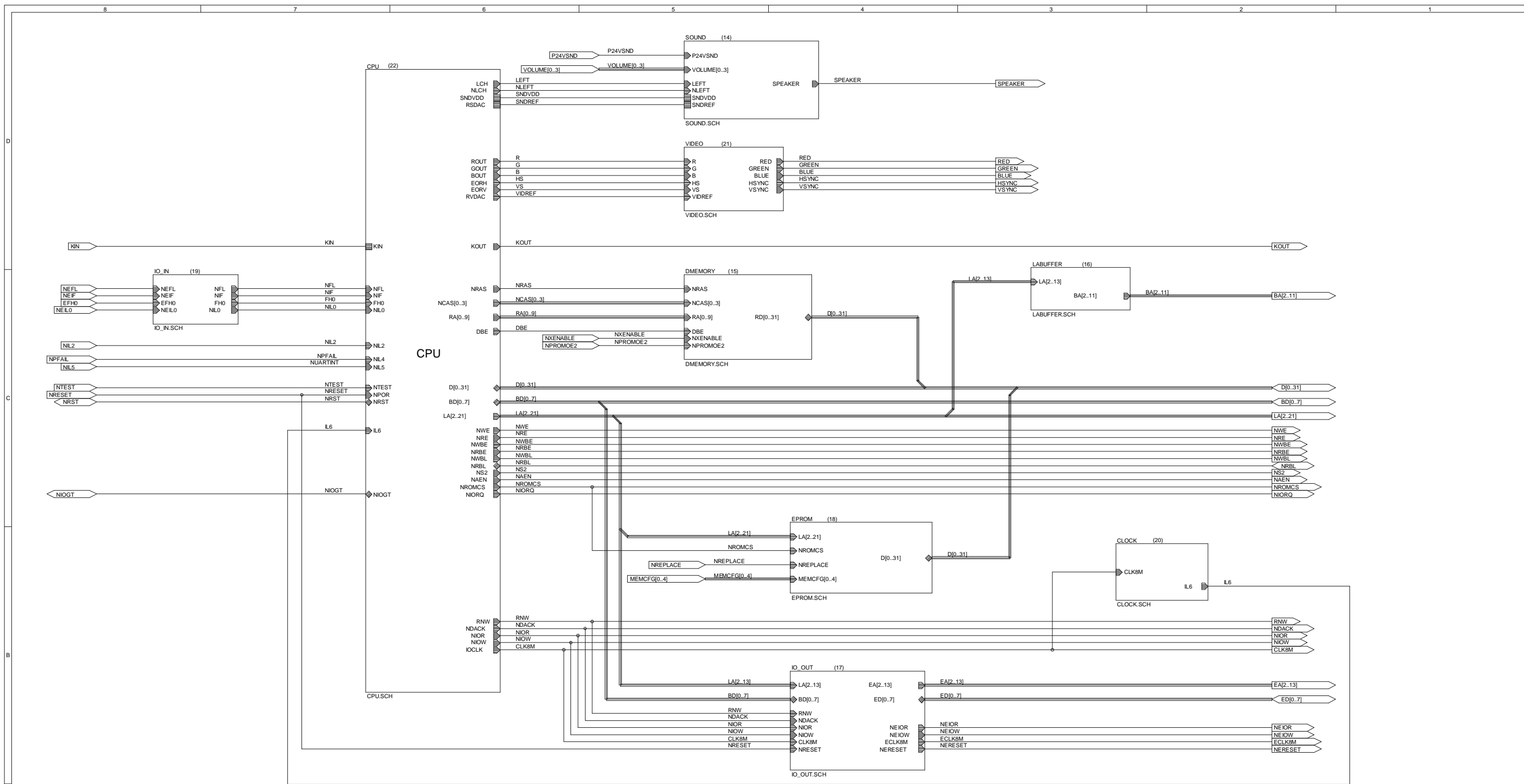
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QA	QTY: 1	PRODATE	QTY: 1
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		CD-410289	
JOB	MKV US PROJECT	DRAWING ISSUE	
ASSY	MAIN BOARD (US VERSION)	PART NUMBER	ISS REV
PART	MISC	25 01 410289	A N/A

A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

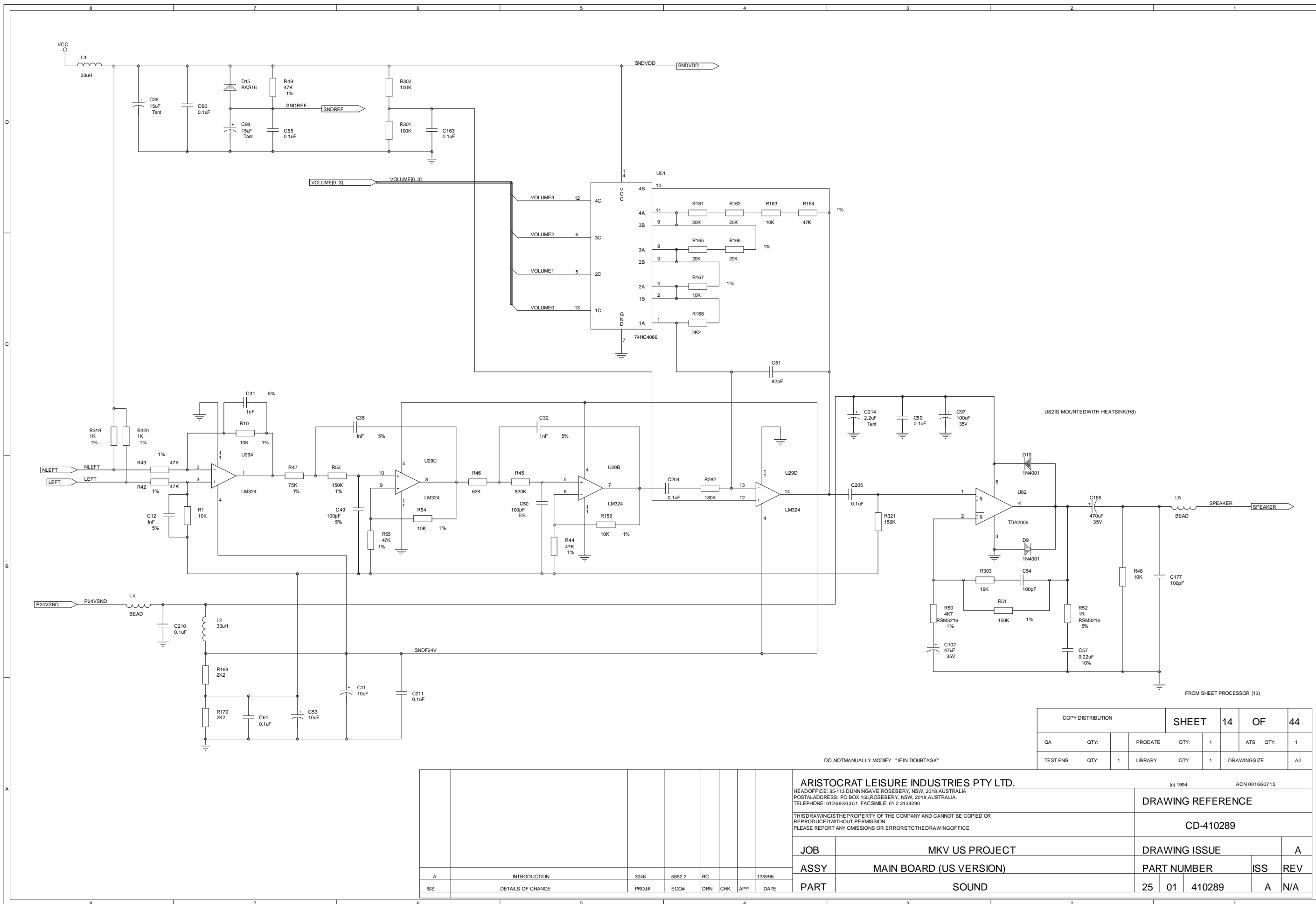


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							PART		PROCESSOR		
A	INTRODUCTION	3046	5852.2	BC			13/8/96	PART NUMBER	ISS	REV	
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE	25 01 410289	A	N/A	



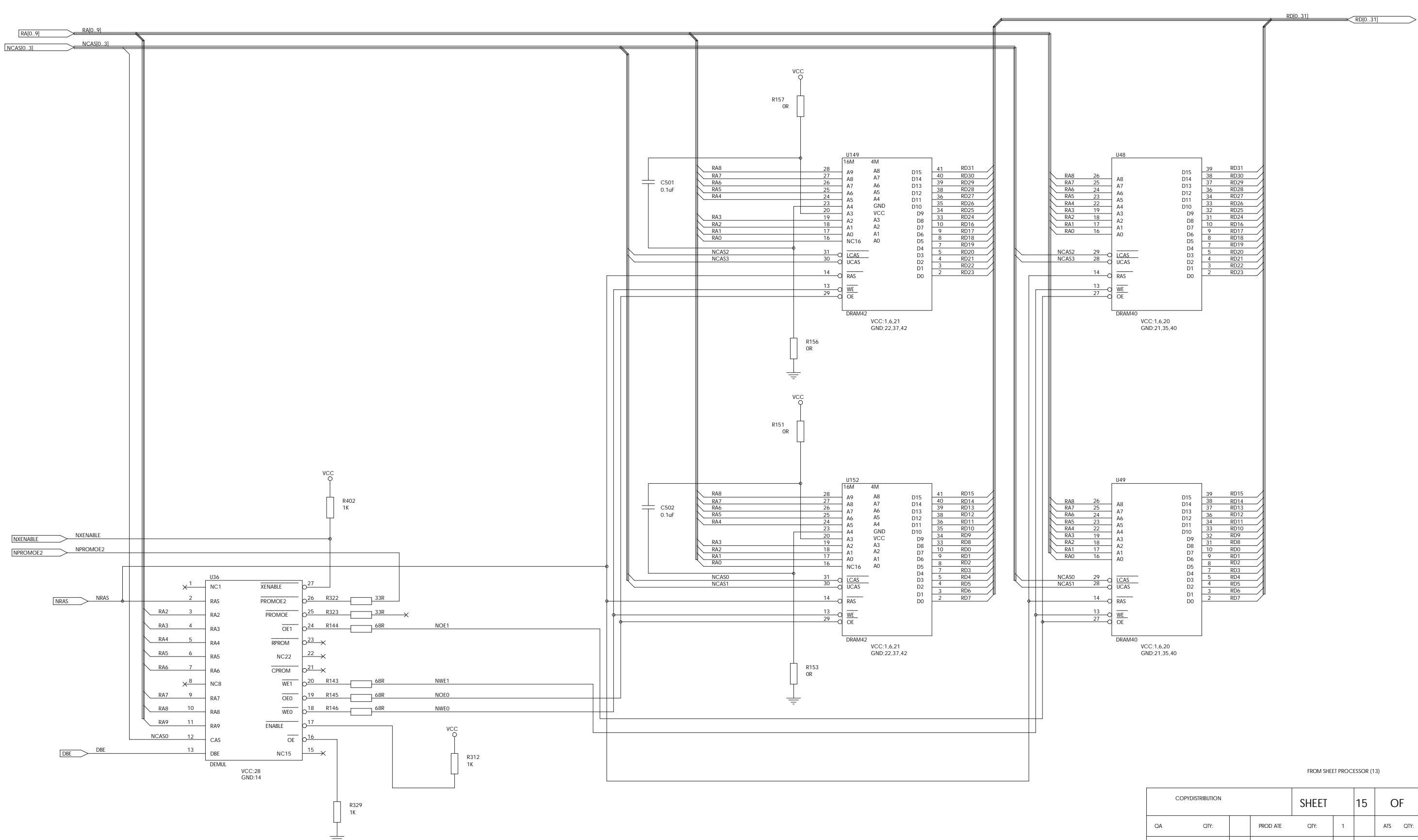
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JOB MKV US PROJECT				DRAWING ISSUE A	
ASSY MAIN BOARD (US VERSION)				PART NUMBER ISS REV	
PART SOUND				25 01 410289 A N/A	

A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

FROM SHEET PROCESSOR (13)



FROM SHEET PROCESSOR (13)

COPY/DISTRIBUTION		SHEET	15	OF	44
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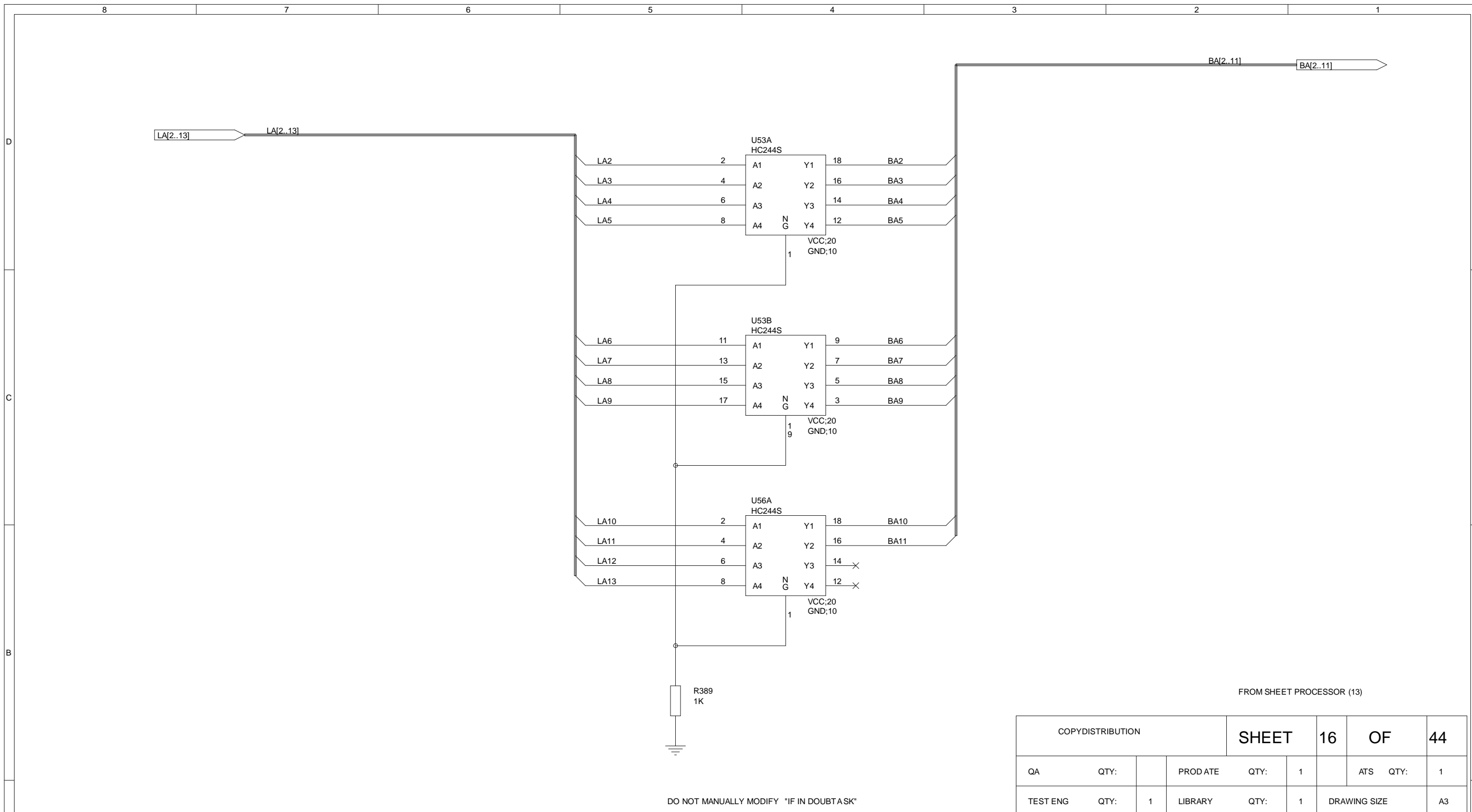
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JOB	MKV US PROJECT	DRAWING ISSUE		A
ASSY	MAIN BOARD (US VERSION)	PART NUMBER	ISS	REV
PART	DMEMORY	25 01 410289	A	N/A

A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

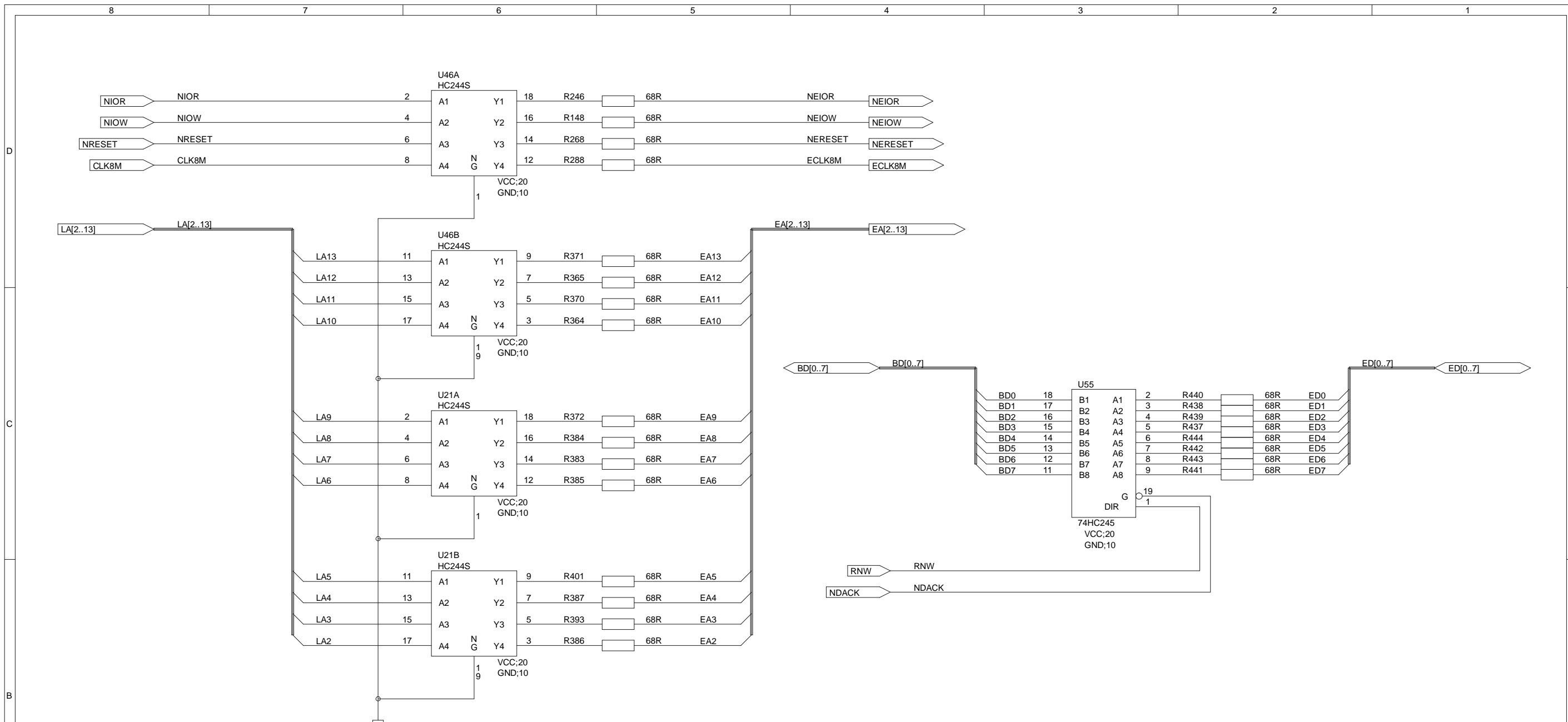


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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

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								ARISTOCRAT LEISURE INDUSTRIES PTY LTD. HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA POSTAL ADDRESS: POBOX155, ROSEBERY, NSW, 2018, AUSTRALIA. TELEPHONE: 6 12 693 0351 FACSIMILE: 61 2 313 4290				(c) 1994 ACN 001 660 715			
								DRAWING REFERENCE							
								CD-410289							
								JOB				MKV US PROJECT			
								ASSY				MAIN BOARD (US VERSION)			
								PART				LABUFFER			
A		INTRODUCTION		3046	5852.2	BC				DRAWING ISSUE				A	
ISS		DETAILS OF CHANGE		PROJ#	ECO#	DRN	CHK	APP	DATE	PART NUMBER		ISS	REV		
										25	01	410289	A	N/A	



FROM SHEET PROCESSOR (13)

COPYDISTRIBUTION				SHEET	17	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

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 POSTAL ADDRESS: POBOX155, ROSEBERY, NSW, 2018, AUSTRALIA.
 TELEPHONE: 61 2 693 0351 FACSIMILE: 61 2 313 4290

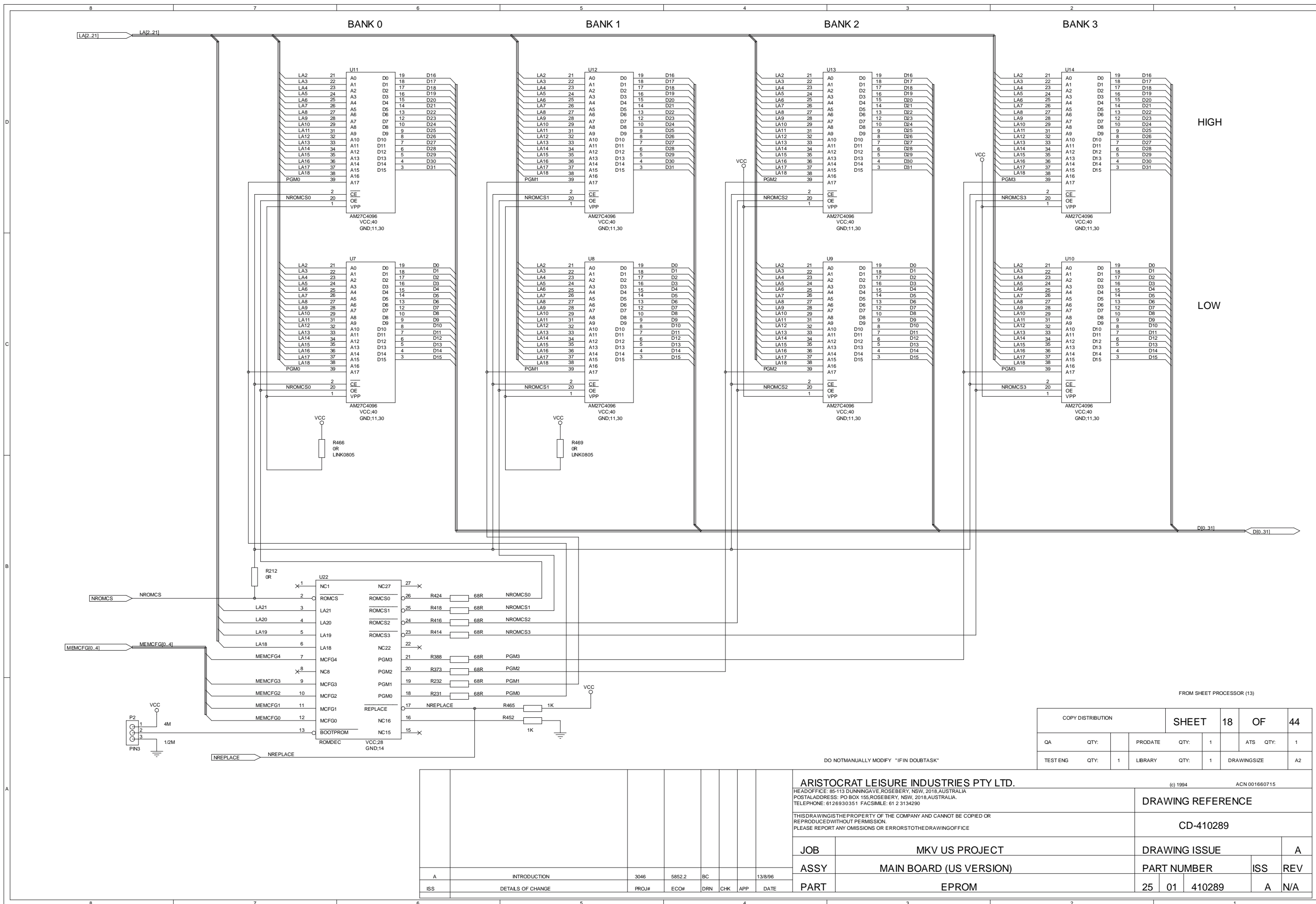
(c) 1994 ACN 001 660 715

DRAWING REFERENCE

CD-410289

JOB	MKV US PROJECT				DRAWING ISSUE		A		
ASSY	MAIN BOARD (US VERSION)				PART NUMBER		ISS REV		
PART	IO_OUT				25	01	410289	A	N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEET PROCESSOR (13)

COPY DISTRIBUTION		SHEET 18 OF 44	
QA	QTY: 1	PRODATE	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1
		DRAWINGSIZE	A2

ARISTOCRAT LEISURE INDUSTRIES PTY LTD. (c) 1994 ACN 001660715

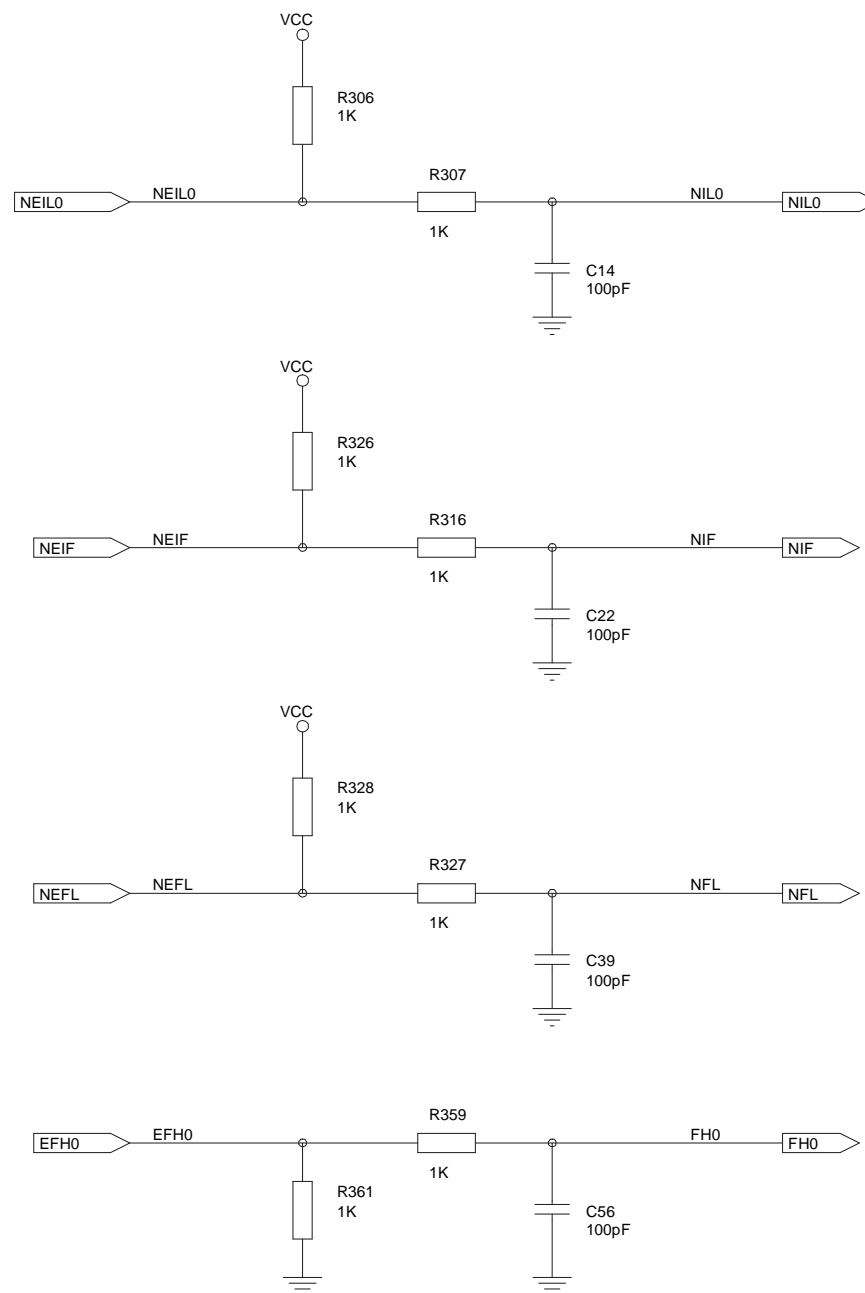
HEAD OFFICE: 85-113 DUNNINGAVE, ROSEBERY, NSW, 2018, AUSTRALIA
 POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
 TELEPHONE: 6126930351 FACSIMILE: 61 2 3134290

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DRAWING REFERENCE		CD-410289	
DRAWING ISSUE		A	
PART NUMBER		ISS	REV
25	01	410289	A N/A

A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"



FROM SHEET PROCESSOR (13)

COPYDISTRIBUTION				SHEET	19	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

DO NOT MANUALLY MODIFY "IF IN DOUBT ASK"

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 TELEPHONE: 6 1 2 693 0351 FACSIMILE: 61 2 313 4290

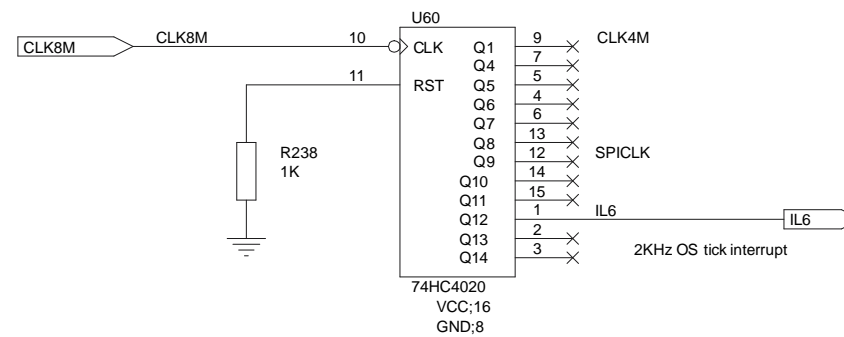
(c) 1994 ACN 001 660 715

DRAWING REFERENCE

CD-410289

JOB	MKV US PROJECT	DRAWING ISSUE			A
ASSY	MAIN BOARD (US VERSION)	PART NUMBER		ISS	REV
PART	IO_IN	25	01	410289	A N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEET PROCESSOR (13)

COPYDISTRIBUTION				SHEET	20	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

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 TELEPHONE: 6 12 693 0351 FACSIMILE: 61 2 313 4290

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CD-410289

JOB MKV US PROJECT

DRAWING ISSUE

A

ASSY MAIN BOARD (US VERSION)

PART NUMBER

ISS

REV

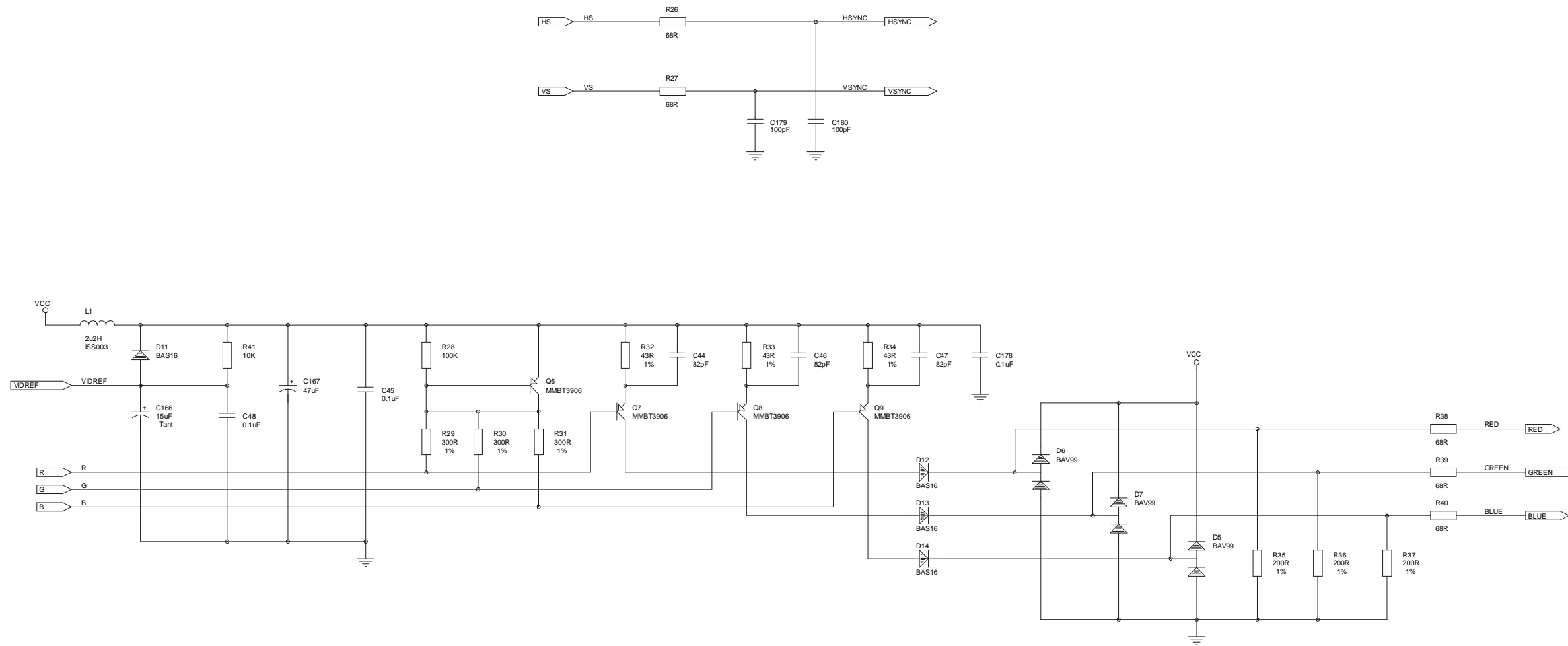
PART CLOCK

25 01 410289

A

N/A

A	INTRODUCTION	3046	5852.2	BC				13/8/96	
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE		

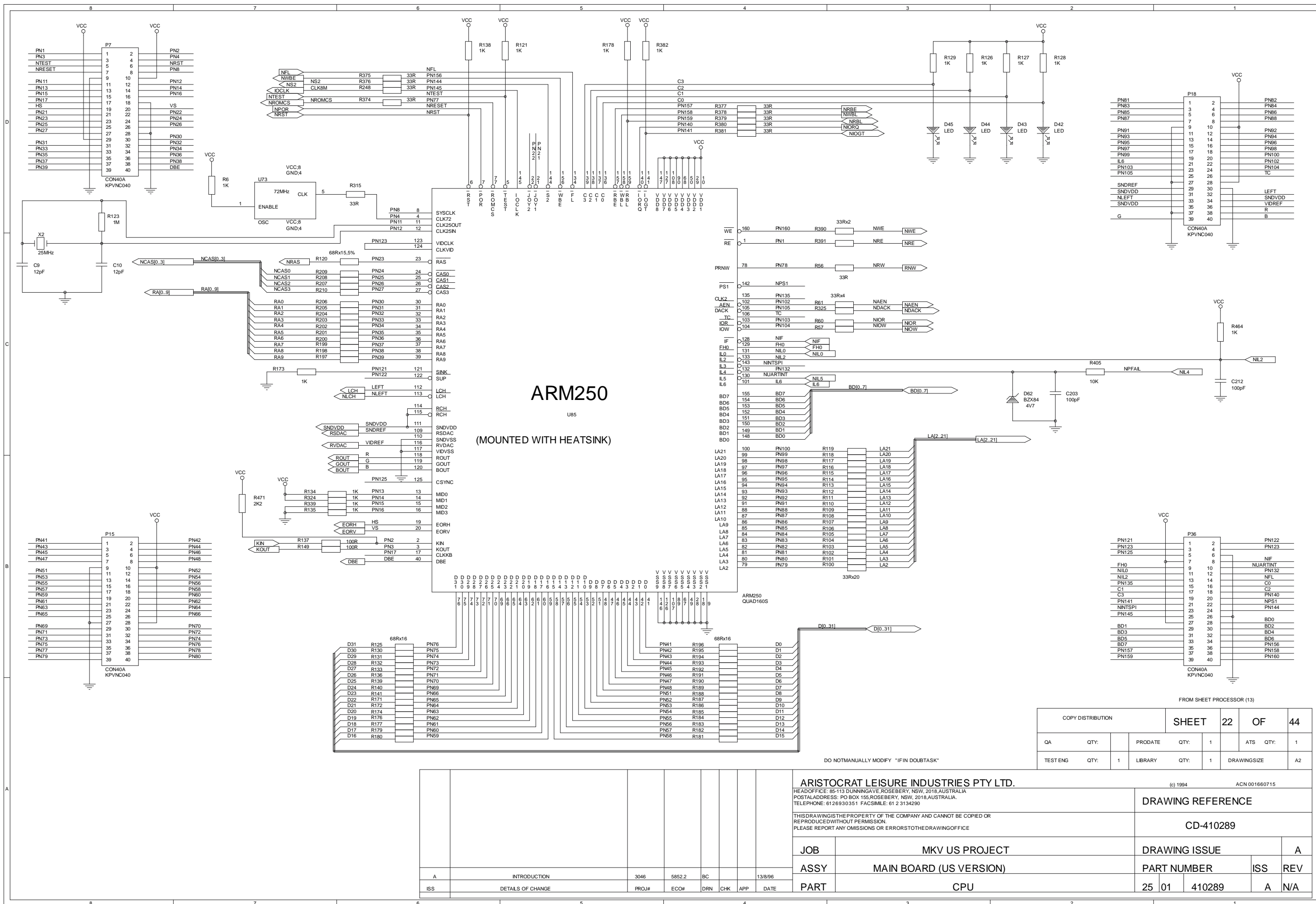


FROM SHEET PROCESSOR (13)

COPY DISTRIBUTION		SHEET	21	OF	44		
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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA							CD-410289						
TELEPHONE: 6126930351 FACSIMILE: 61 2 3134290							DRAWING ISSUE						
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JOB							MKV US PROJECT						
ASSY							MAIN BOARD (US VERSION)						
PART							VIDEO						
PART							25 01		410289		A N/A		
A	INTRODUCTION	3046	5852.2	BC			13/8/96						
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE						



COPY DISTRIBUTION		SHEET 22 OF 44	
QA	QTY: 1	PRODATE	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1
		ATS	QTY: 1
		DRAWINGSIZE	A2

ARISTOCRAT LEISURE INDUSTRIES PTY LTD.
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 POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
 TELEPHONE: 6126930351 FACSIMILE: 61 2 3134290

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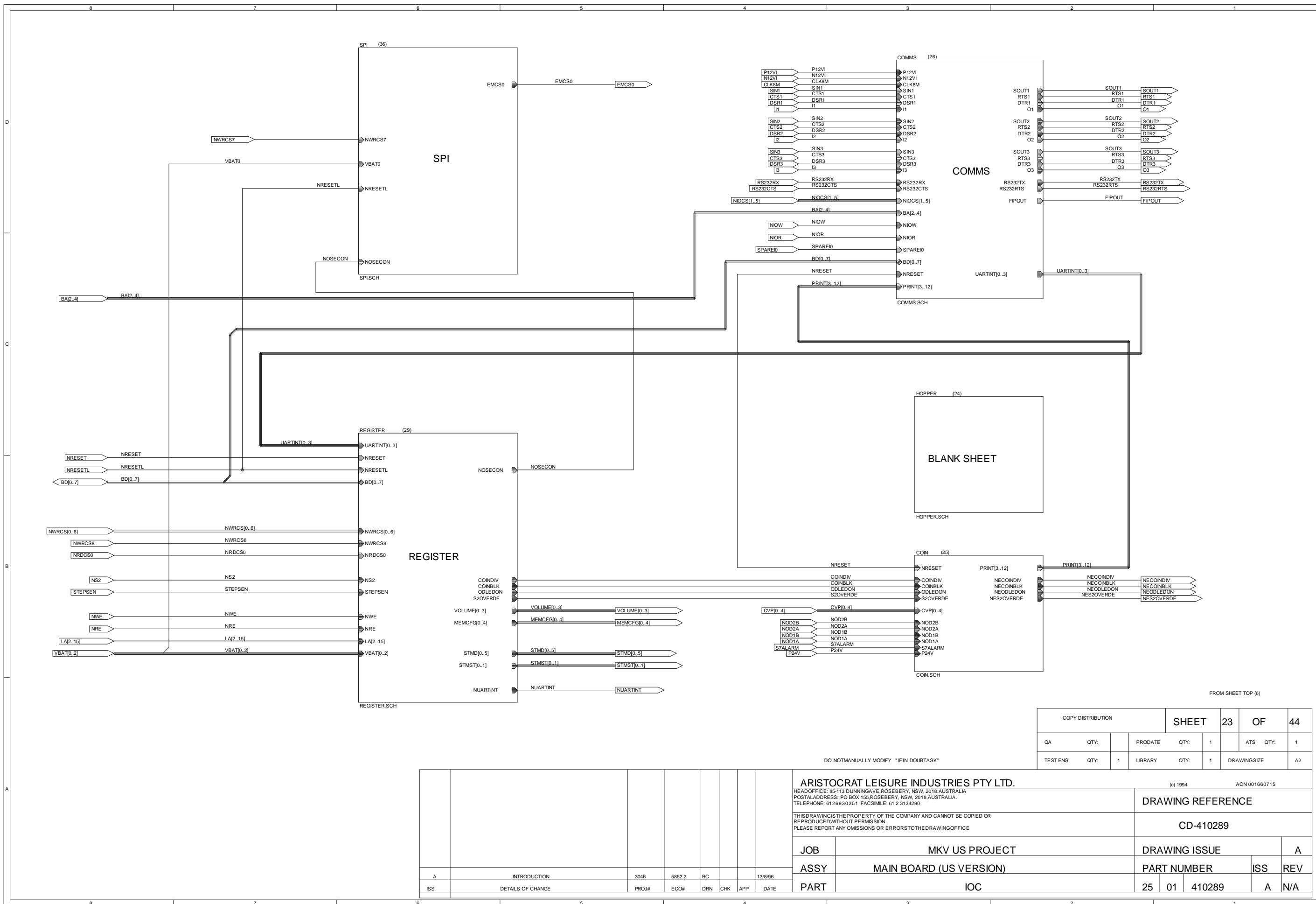
DRAWING REFERENCE

CD-410289

JOB	MKV US PROJECT
ASSY	MAIN BOARD (US VERSION)
PART	CPU

DRAWING ISSUE		A	
PART NUMBER		ISS	REV
25 01	410289	A	N/A

A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP



FROM SHEET TOP (B)

COPY DISTRIBUTION		SHEET	23	OF	44
QA	QTY:	PRODATE	QTY:	1	ATS QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE	A2

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DRAWING REFERENCE				CD-410289	
JOB				MKV US PROJECT	
ASSY				MAIN BOARD (US VERSION)	
DRAWING ISSUE				A	
PART				IOC	
PART NUMBER		ISS		REV	
25 01 410289		A		N/A	

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

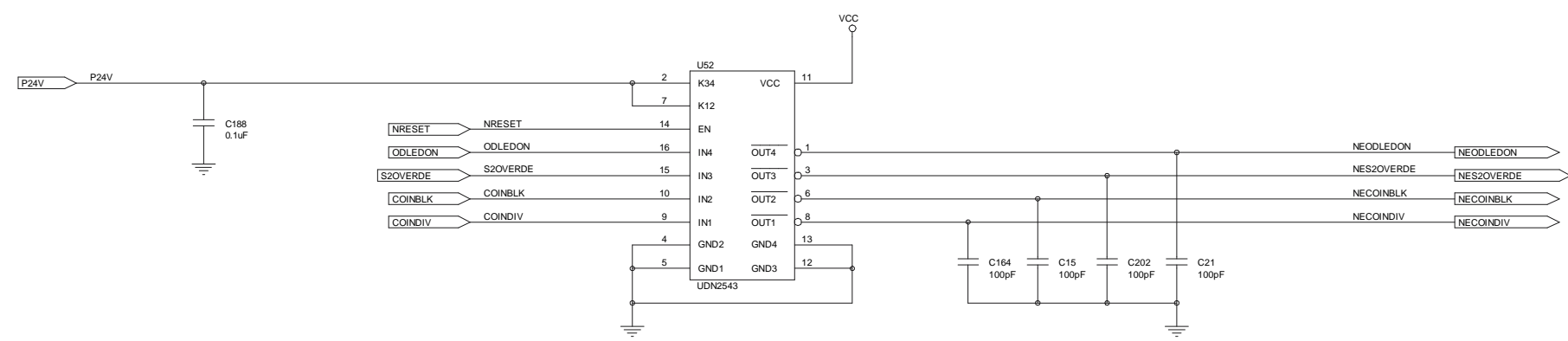
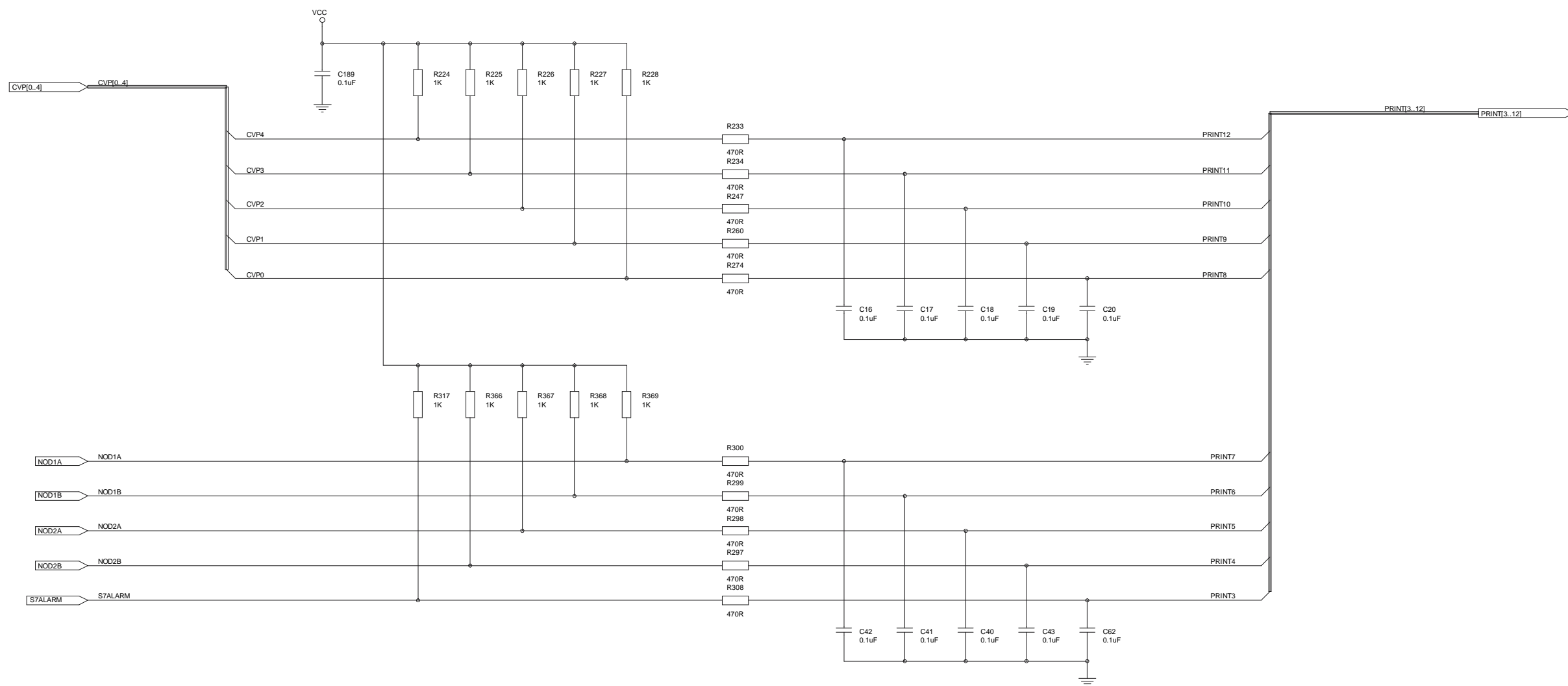
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FROM SHEET IOC(23)

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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB		MKV US PROJECT						DRAWING ISSUE		A		
ASSY		MAIN BOARD (US VERSION)						PART NUMBER		ISS	REV	
PART		HOPPER						25	01	410289	A	N/A
A	INTRODUCTION	3046	5852.2	BC						13/8/96		
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					

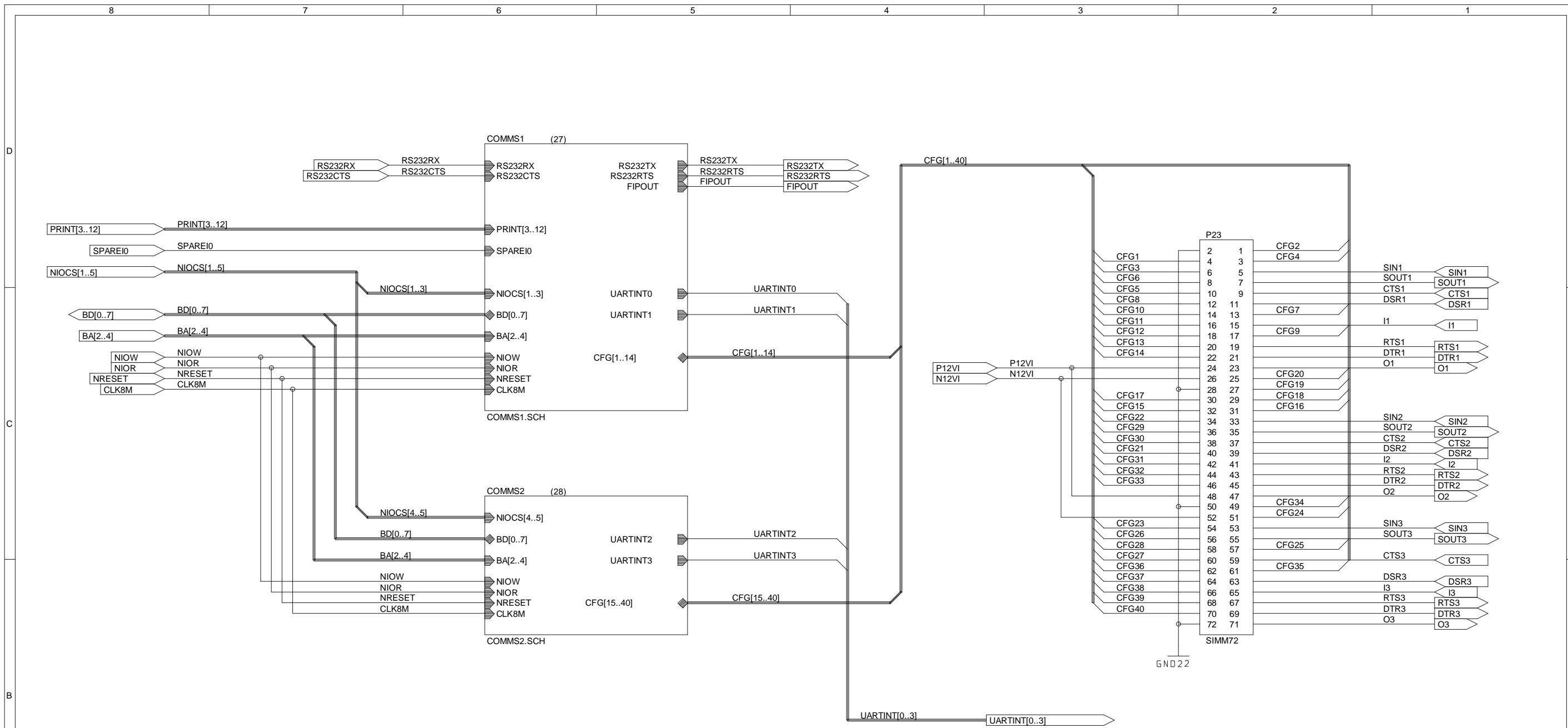


FROM SHEET IOC (23)

COPY DISTRIBUTION				SHEET	25	OF	44
QA	QTY:	PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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JOB				MKV US PROJECT		DRAWING ISSUE	
ASSY				MAIN BOARD (US VERSION)		A	
PART				COIN		PART NUMBER	
A				INTRODUCTION		ISS	
ISS				DETAILS OF CHANGE		REV	
3046		5852.2		BC		13/8/96	
PROJ#	ECO#	DRN	CHK	APP	DATE	25	01
410289		A		N/A			

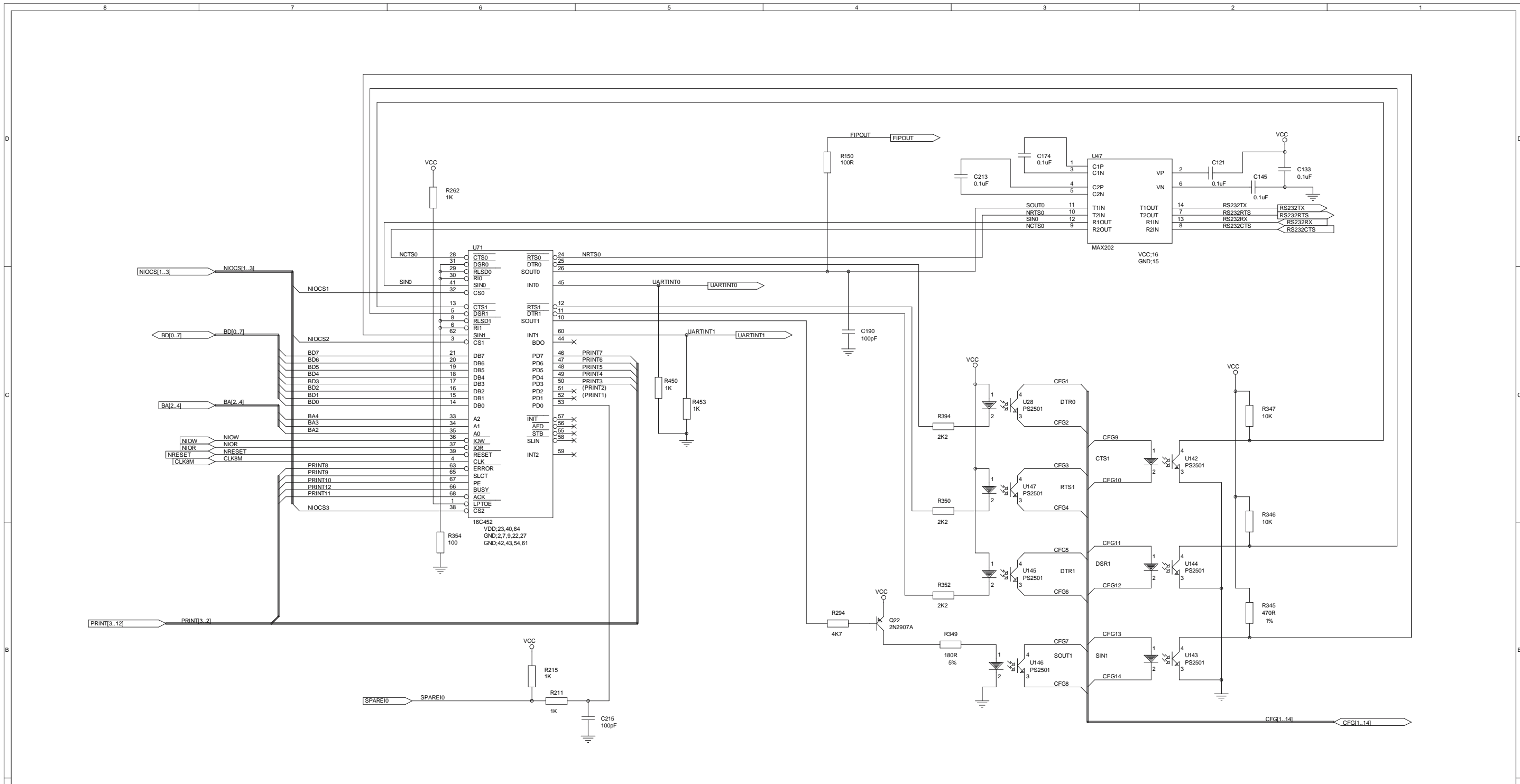


FROM SHEET IOC (23)

COPYDISTRIBUTION				SHEET	26	OF	44
QA	QTY:		PRODATE	QTY:	1	ATS	QTY: 1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE A3	

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				JOB MKV US PROJECT				DRAWING ISSUE A							
				ASSY MAIN BOARD (US VERSION)				PART NUMBER		ISS		REV			
				PART COMMS				25 01		410289		A N/A			
A	INTRODUCTION			3046	5852.2	BC			13/8/96						
ISS	DETAILS OF CHANGE			PROJ#	ECO#	DRN	CHK	APP	DATE						



FROM SHEETCOMMS(26)

COPYDISTRIBUTION		SHEET	27	OF	44
QA	QTY: 1	PRODATE	QTY: 1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWING SIZE	A2

DONOTMANUALLYMODIFY "IF IN DOUBT ASK"

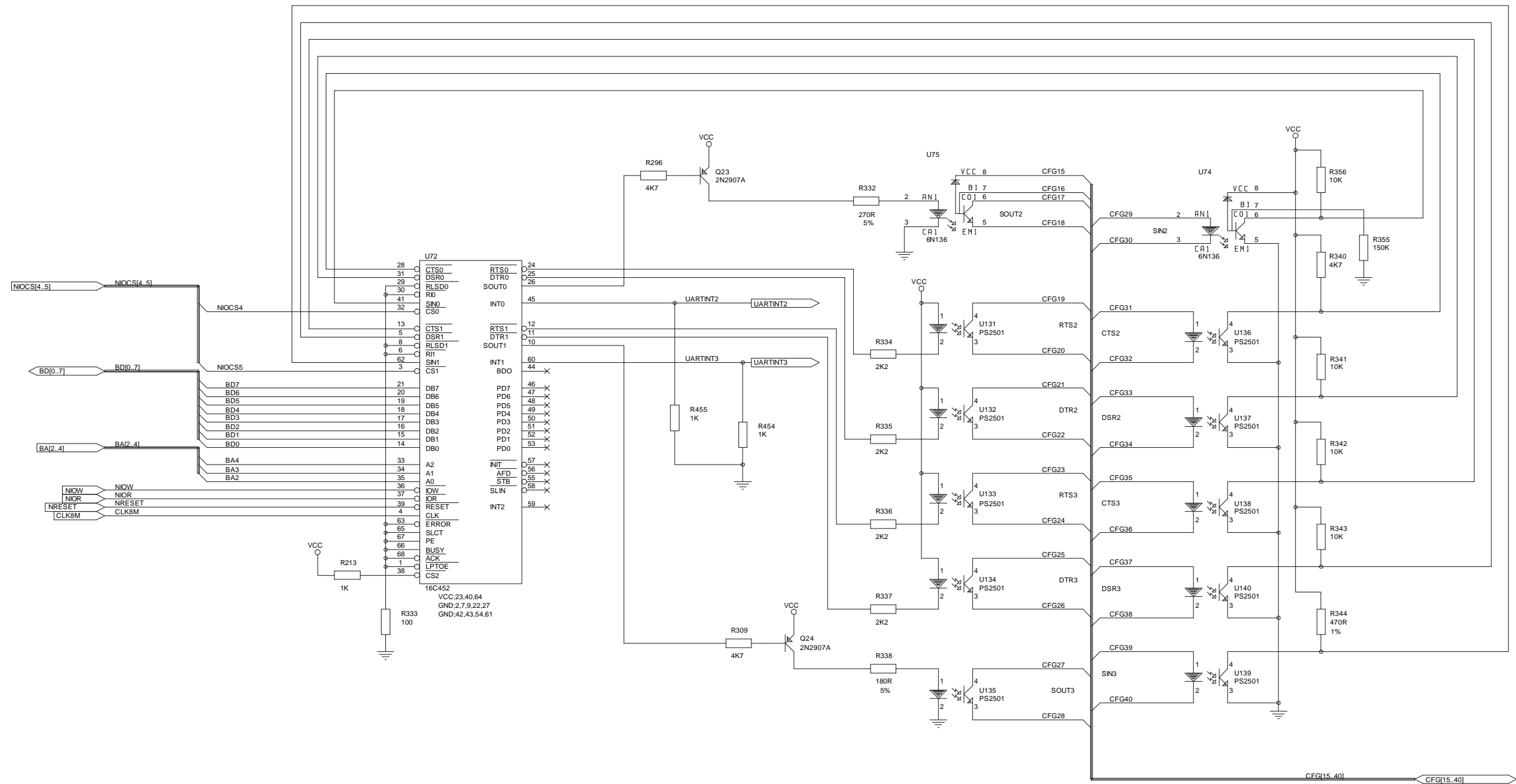
ARISTOCRAT LEISURE INDUSTRIES PTY LTD.
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 POSTALADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA.
 TELEPHONE: 61 2 69 30 35 1 FACSIMILE: 61 2 313 4290

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DRAWING REFERENCE
CD-410289

JOB	MKV US PROJECT	DRAWING ISSUE	B
ASSY	MAIN BOARD (US VERSION)	PART NUMBER	ISS REV
PART	COMMS1	25 01 410289	A N/A

	PROJ#	ECO#	DRN	CHK	APP	DATE
B	R354valuechanged	41923	7444	RS	RS	KL 11/11/97
A	INTRODUCTION	3046	5852.2	BC		13/8/96
ISS	DETAILS OF CHANGE					



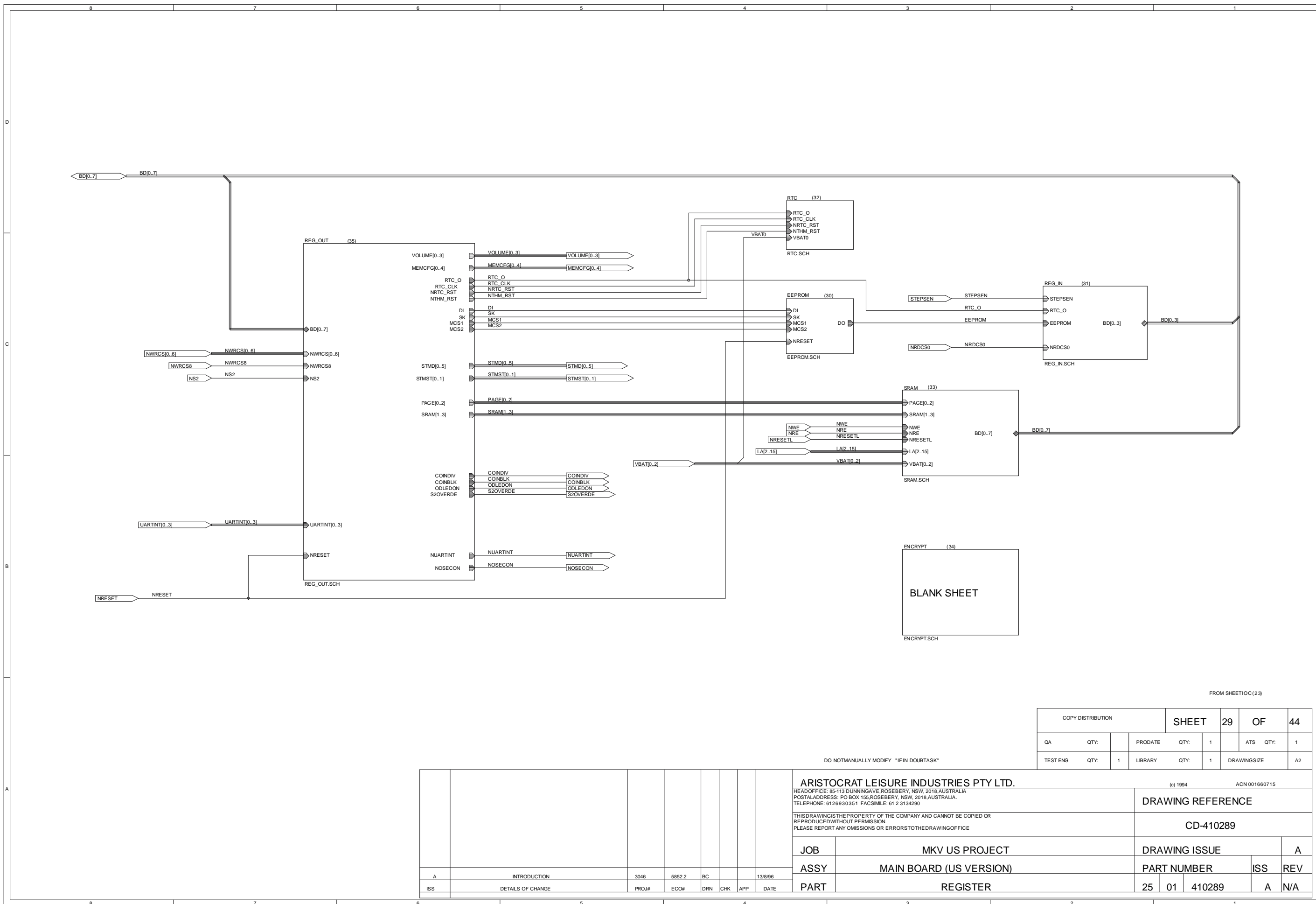
FROM SHEET COMMS(26)

COPY/DISTRIBUTION				SHEET	28	OF	44
QA	QTY:	PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A2

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							DRAWING REFERENCE				
							CD-410289				
							DRAWING ISSUE			B	
							PART NUMBER			ISS	REV
							25	01	410289	A	N/A

B	R333 value changed	41923	7444	RS	RS	KL	11/11/97
A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

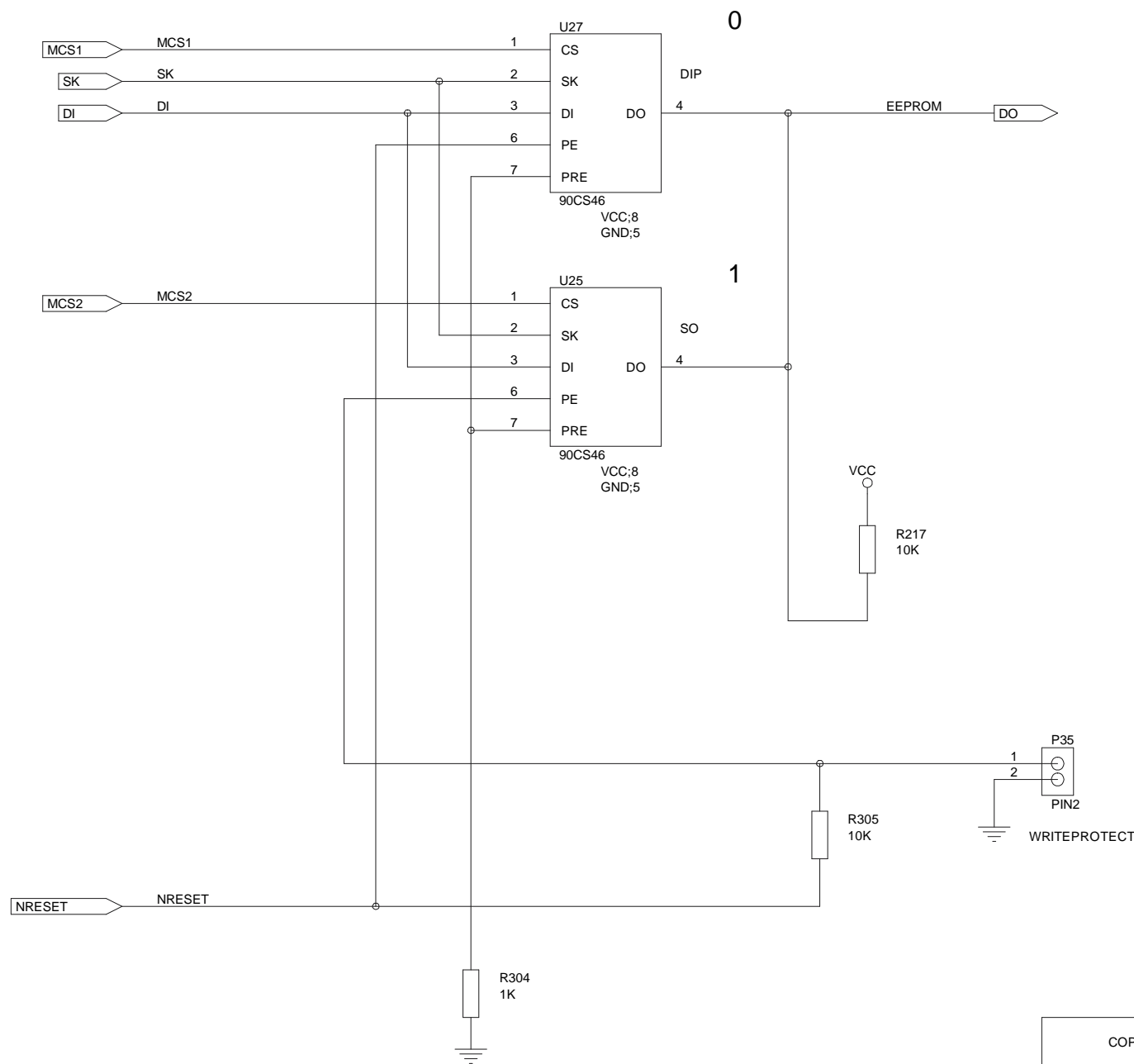


FROM SHEETIOC(23)

COPY DISTRIBUTION				SHEET	29	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB				MKV US PROJECT				DRAWING ISSUE		A		
ASSY				MAIN BOARD (US VERSION)				PART NUMBER		ISS	REV	
PART				REGISTER				25	01	410289	A	N/A
A	INTRODUCTION	3046	5852.2	BC						13/8/96		
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					



FROM SHEET REGISTER (29)

COPYDISTRIBUTION				SHEET	30	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A3	

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 TELEPHONE: 6 12 693 0351 FACSIMILE: 61 2 313 4290

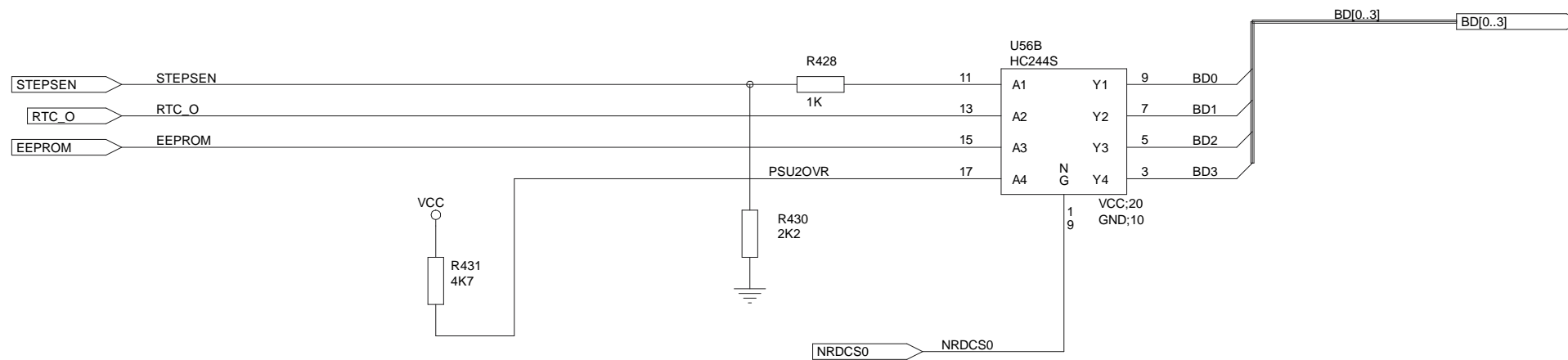
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DRAWING REFERENCE

CD-410289

JOB	MKV US PROJECT				DRAWING ISSUE		A
ASSY	MAIN BOARD (US VERSION)				PART NUMBER		ISS REV
PART	EEPROM				25 01	410289	A N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEET REGISTER (20)

COPYDISTRIBUTION				SHEET	31	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

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DRAWING REFERENCE

CD-410289

JOB MKV US PROJECT

DRAWING ISSUE

A

ASSY MAIN BOARD (US VERSION)

PART NUMBER

ISS

REV

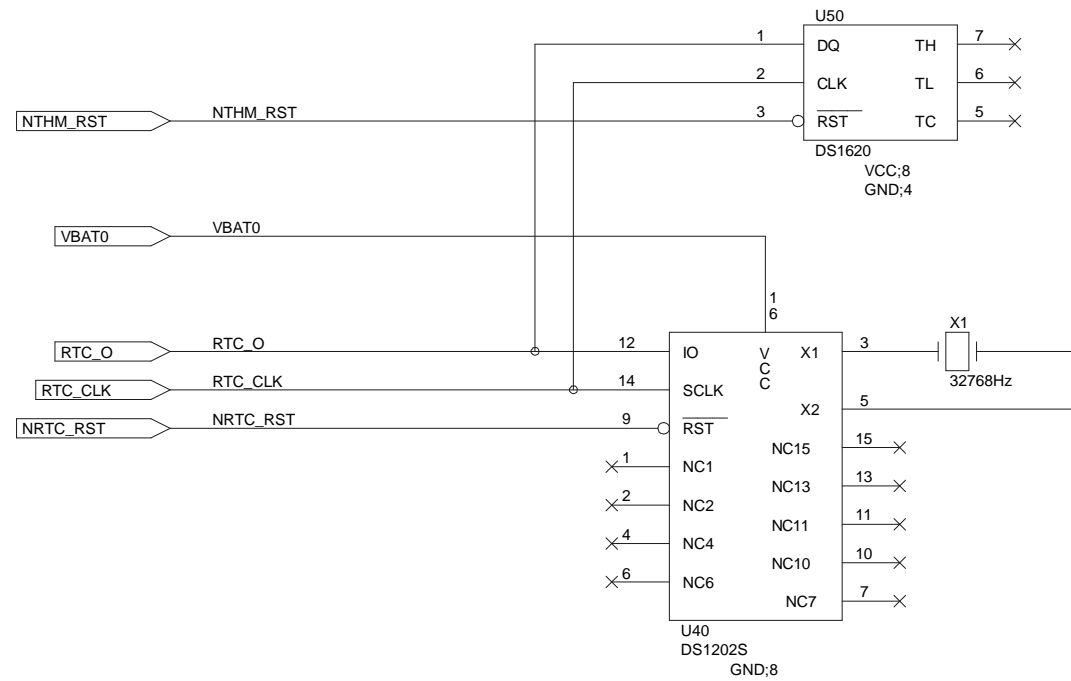
PART REG_IN

25 01 410289

A

N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96	
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE	



FROM SHEET REGISTER (29)

COPYDISTRIBUTION				SHEET	32	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A3

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 TELEPHONE: 6 12 693 0351 FACSIMILE: 61 2 313 4290

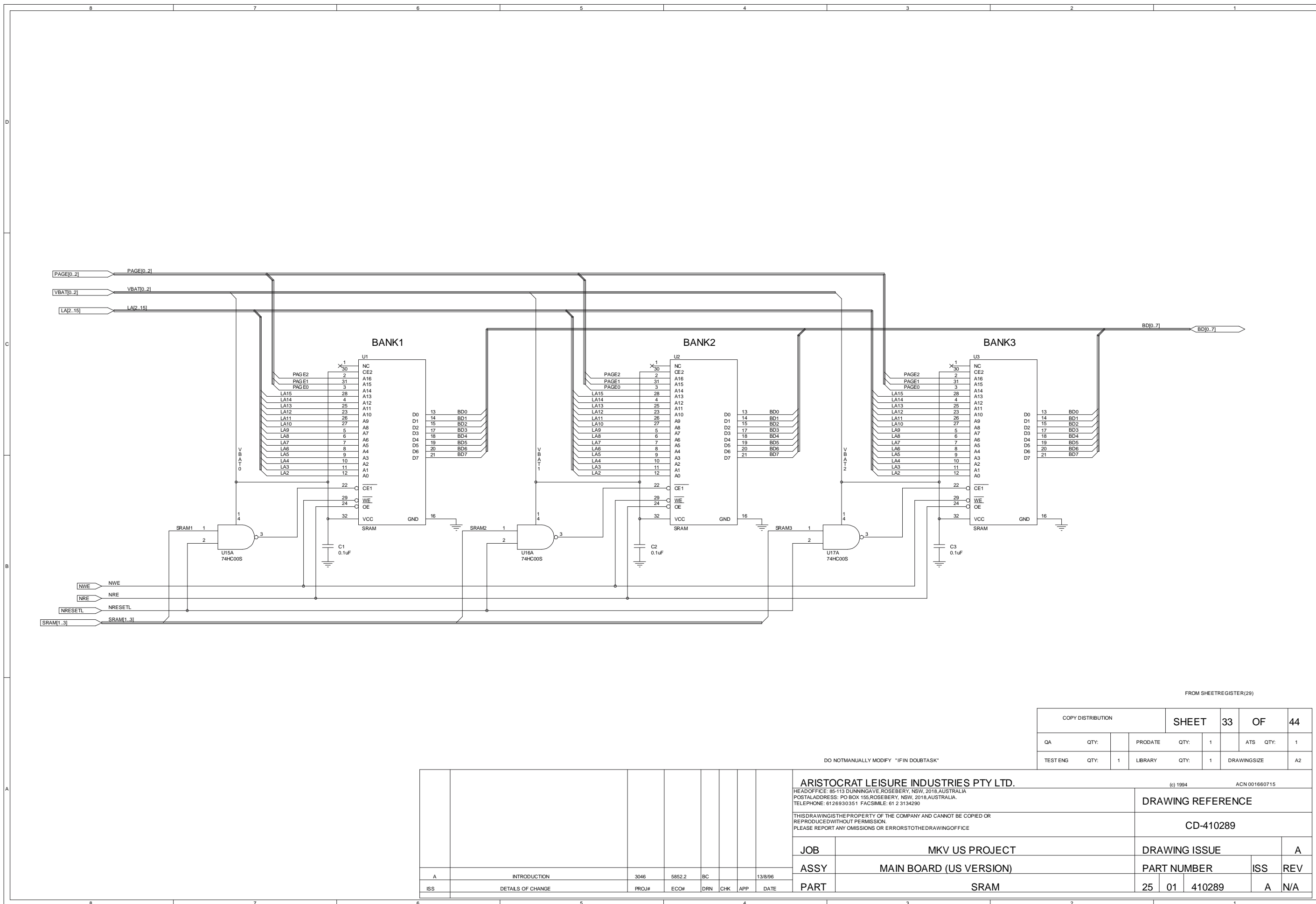
(c) 1994 ACN 001 660 715

DRAWING REFERENCE

CD-410289

JOB	MKV US PROJECT				DRAWING ISSUE		A		
ASSY	MAIN BOARD (US VERSION)				PART NUMBER		ISS REV		
PART	RTC				25	01	410289	A	N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEETREGISTER(29)

COPY DISTRIBUTION		SHEET 33 OF 44	
QA	QTY: 1	PRODATE	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1
		DRAWINGSIZE	A2

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JOB	MKV US PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD (US VERSION)	PART NUMBER	ISS REV
PART	SRAM	25 01 410289	A N/A

A	INTRODUCTION	3046	5852.2	BC			13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

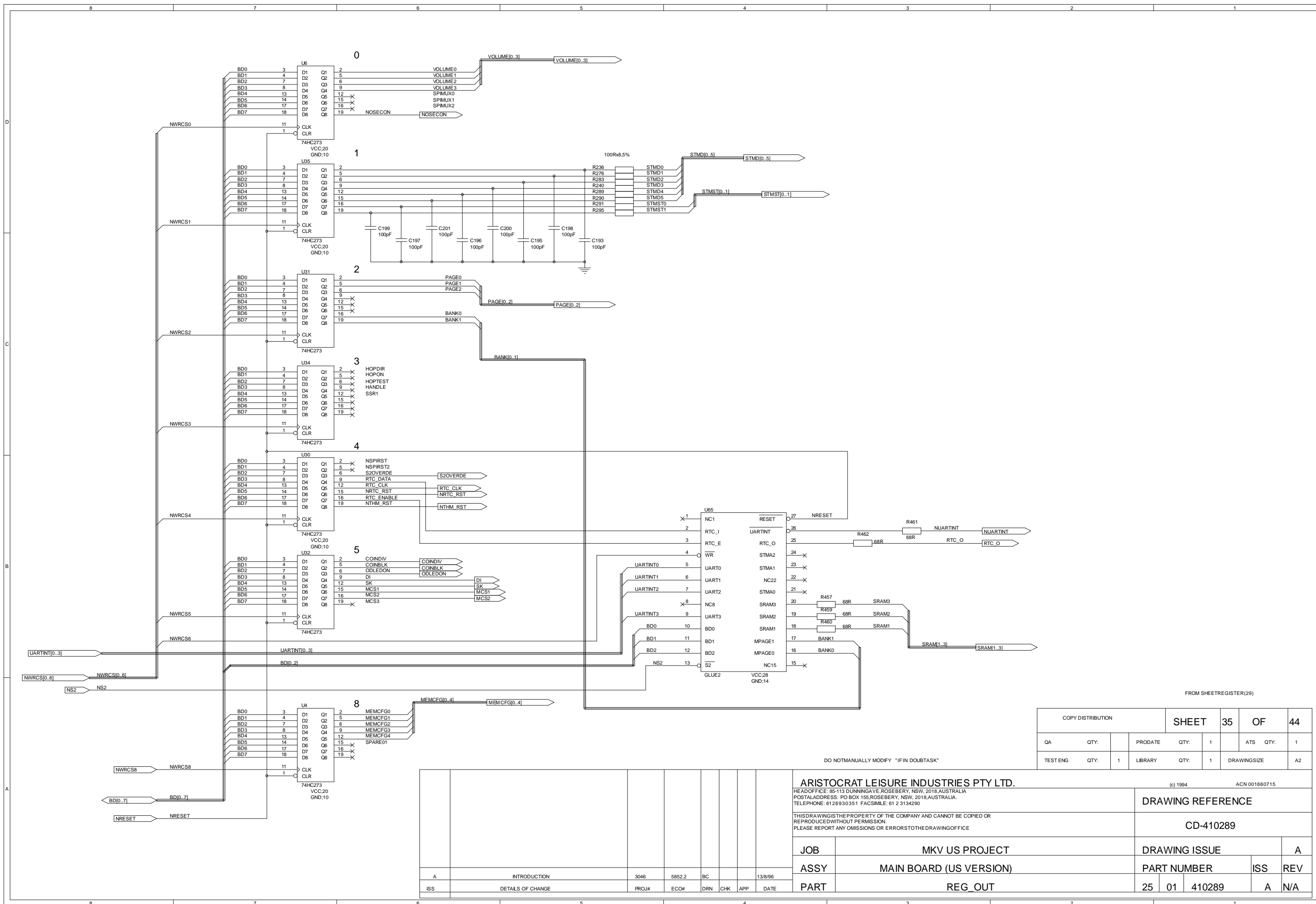
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FROM SHEET REGISTER (29)

COPY DISTRIBUTION		SHEET	34	OF	44		
QA	QTY:	PRODATE	QTY:	1	ATS QTY:	1	
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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							JOB			MKV US PROJECT		DRAWING ISSUE		A		
							ASSY			MAIN BOARD (US VERSION)		PART NUMBER		ISS	REV	
							PART			ENCRYPT		25	01	410289	A	N/A
A	INTRODUCTION		3046	5852.2	BC											
ISS	DETAILS OF CHANGE		PROJ#	ECO#	DRN	CHK	APP	DATE								



FROM SHEET REGISTER(29)

COPY DISTRIBUTION		SHEET	35	OF	44		
QA	QTY:	PRODATE	QTY:	1	ATS QTY:	1	
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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 TELEPHONE: 6126830351 FACSIMILE: 61 2 3134290

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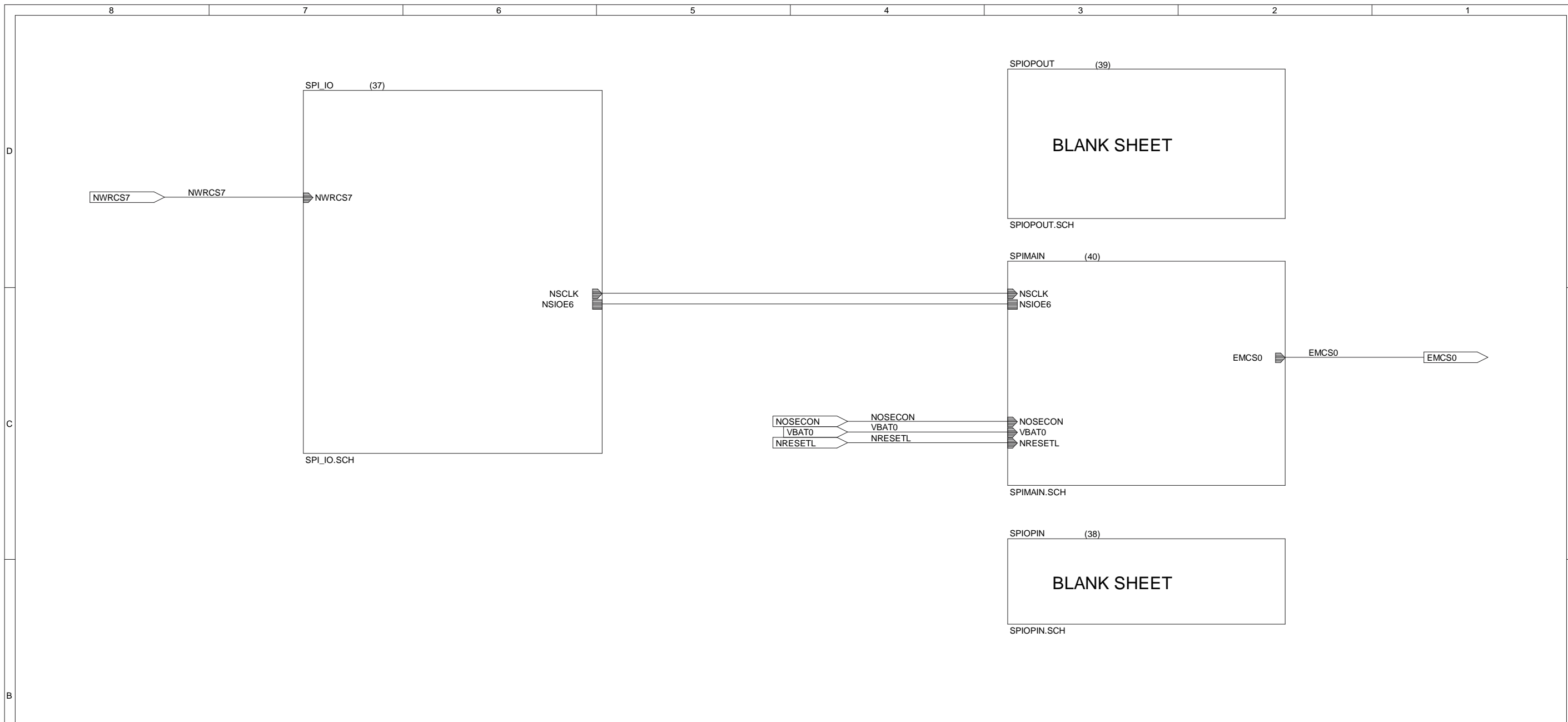
DRAWING REFERENCE

CD-410289

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JOB	MKV US PROJECT	DRAWING ISSUE	A
ASSY	MAIN BOARD (US VERSION)	PART NUMBER	ISS REV
PART	REG_OUT	25 01 410289	A N/A

A	INTRODUCTION	3046	5852.2	BC		13/8/96	
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE



FROM SHEET IOC (23)

COPYDISTRIBUTION				SHEET	36	OF	44
QA	QTY:		PRODATE	QTY:	1	ATS	QTY: 1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE A3	

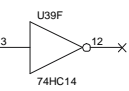
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								ARISTOCRAT LEISURE INDUSTRIES PTY LTD.				(c) 1994 ACN 001 660 715					
								HEAD OFFICE: 85-113 DUNNING AVE, ROSEBERY, NSW, 2018, AUSTRALIA POSTAL ADDRESS: POBOX155, ROSEBERY, NSW, 2018, AUSTRALIA. TELEPHONE: 6 12 693 0351 FACSIMILE: 61 2 313 4290									
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								JOB				MKV US PROJECT					
								ASSY				MAIN BOARD (US VERSION)					
								PART				SPI					
								DRAWING REFERENCE				CD-410289					
								DRAWING ISSUE				A					
								PART NUMBER				ISS REV					
								25 01 410289				A N/A					
A	INTRODUCTION							3046	5852.2	BC			13/8/96				
ISS	DETAILS OF CHANGE							PROJ#	ECO#	DRN	CHK	APP	DATE				

NWRCS7



R269
470R



U39F
74HC14

13

12

VCC

R216
1K



NSCLK



NSIOE6



ITIS GROUNDED BY LINK AT U70 PIN 8 AND 9.

FROM SHEET SPI (36)

COPY DISTRIBUTION				SHEET	37	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB		MKV US PROJECT						PART NUMBER		ISS	REV
ASSY		MAIN BOARD (US VERSION)						25 01		410289	A N/A
PART		SPI_IO									
INTRODUCTION	3046	5852	BC				30/7/96				
DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					

THIS SHEET IS INTENDED TO BE BLANK

FROM SHEET SPI (36)

COPY DISTRIBUTION				SHEET	38	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB								MKV US PROJECT		DRAWING ISSUE		A		
ASSY								MAIN BOARD (US VERSION)		PART NUMBER		ISS	REV	
PART								SPIOPIN		25	01	410289	A	N/A
A	INTRODUCTION	3046	5852.2	BC				13/8/96						
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE							

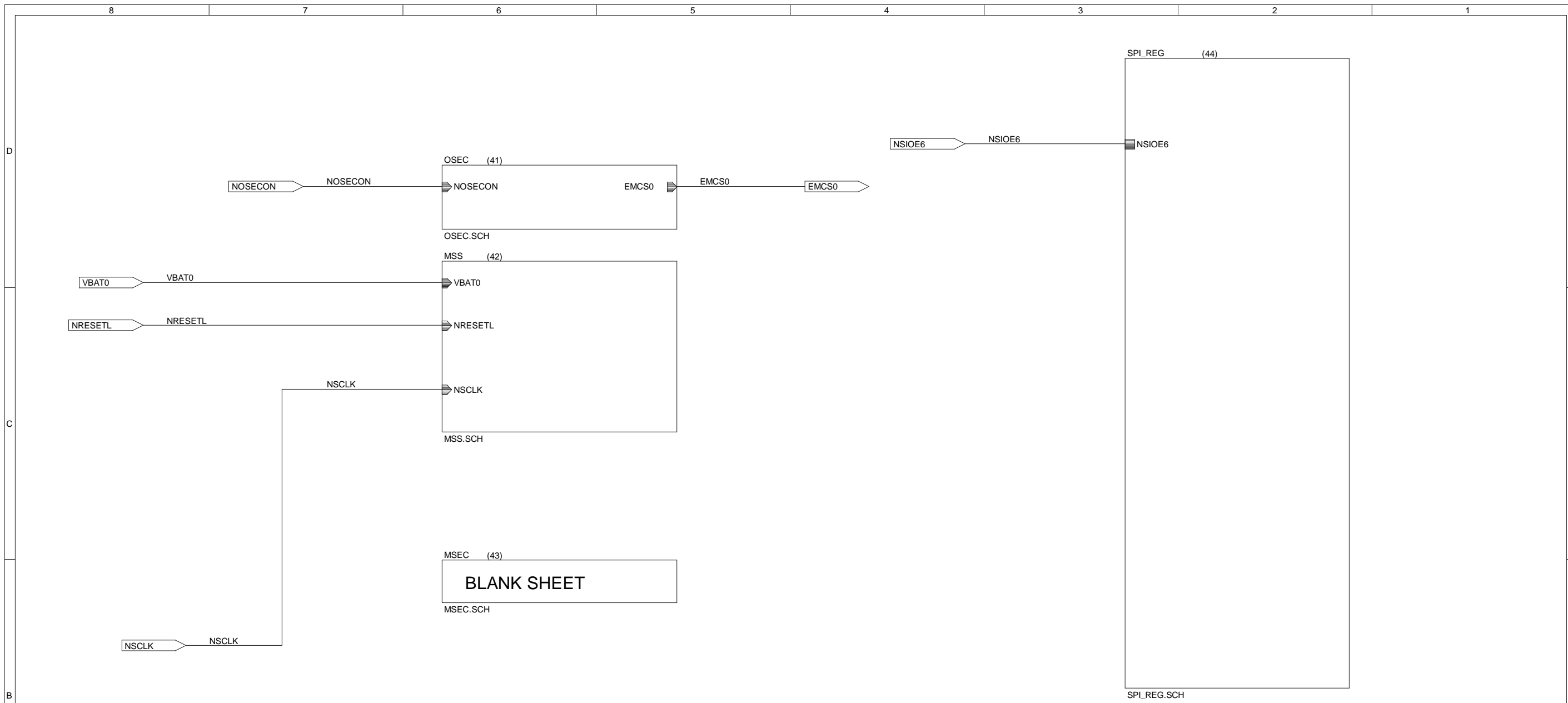
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FROM SHEET SPI (36)

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QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB		MKV US PROJECT						DRAWING ISSUE		A		
ASSY		MAIN BOARD (US VERSION)						PART NUMBER		ISS	REV	
PART		SPIOPOUT						25	01	410289	A	N/A
A	INTRODUCTION	3046	5852	BC						30/7/96		
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					

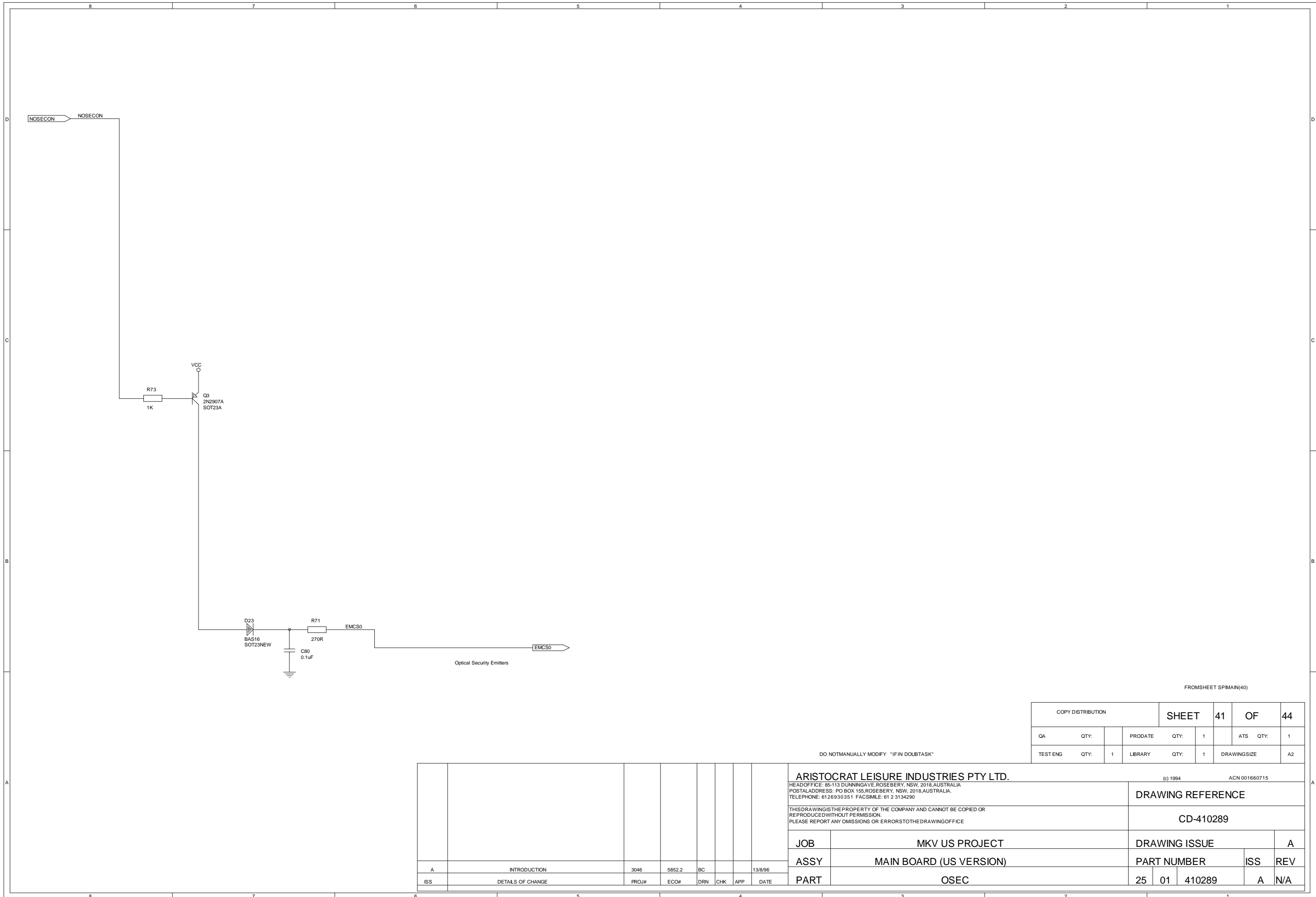


FROM SHEET SPI (36)

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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A3

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								JOB				MKV US PROJECT			
								ASSY				MAIN BOARD (US VERSION)			
								PART				SPIMAIN			
INTRODUCTION		3046	5852.2	BC			13/8/96	DRAWING ISSUE				A			
DETAILS OF CHANGE		PROJ#	ECO#	DRN	CHK	APP	DATE	PART NUMBER		ISS	REV				
								25	01	410289	A	N/A			



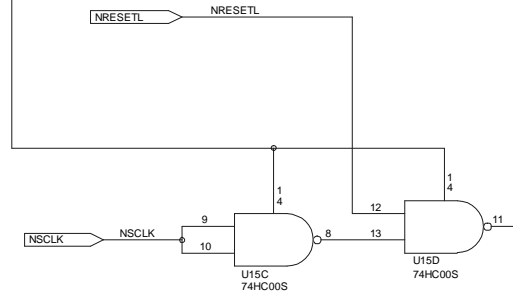
FROM SHEET SPMAIN(40)

COPY DISTRIBUTION				SHEET	41	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB								MKV US PROJECT		PART NUMBER		ISS	REV
ASSY								MAIN BOARD (US VERSION)		25 01 410289		A	N/A
PART								OSEC					
A	INTRODUCTION	3046	5852.2	BC				13/8/96					
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE						

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FROM SHEET SPMAIN(40)

COPY DISTRIBUTION				SHEET	42	OF	44	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA								CD-410289							
TELEPHONE: 6126930351 FACSIMILE: 61 2 3134290								DRAWING ISSUE							
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								ASSY		MAIN BOARD (US VERSION)		PART NUMBER		REV	
								PART		MSS		25 01 410289		A N/A	
A	INTRODUCTION	3046	5852.2	BC			13/8/96								
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE								

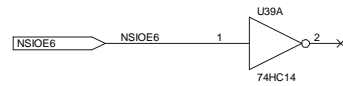
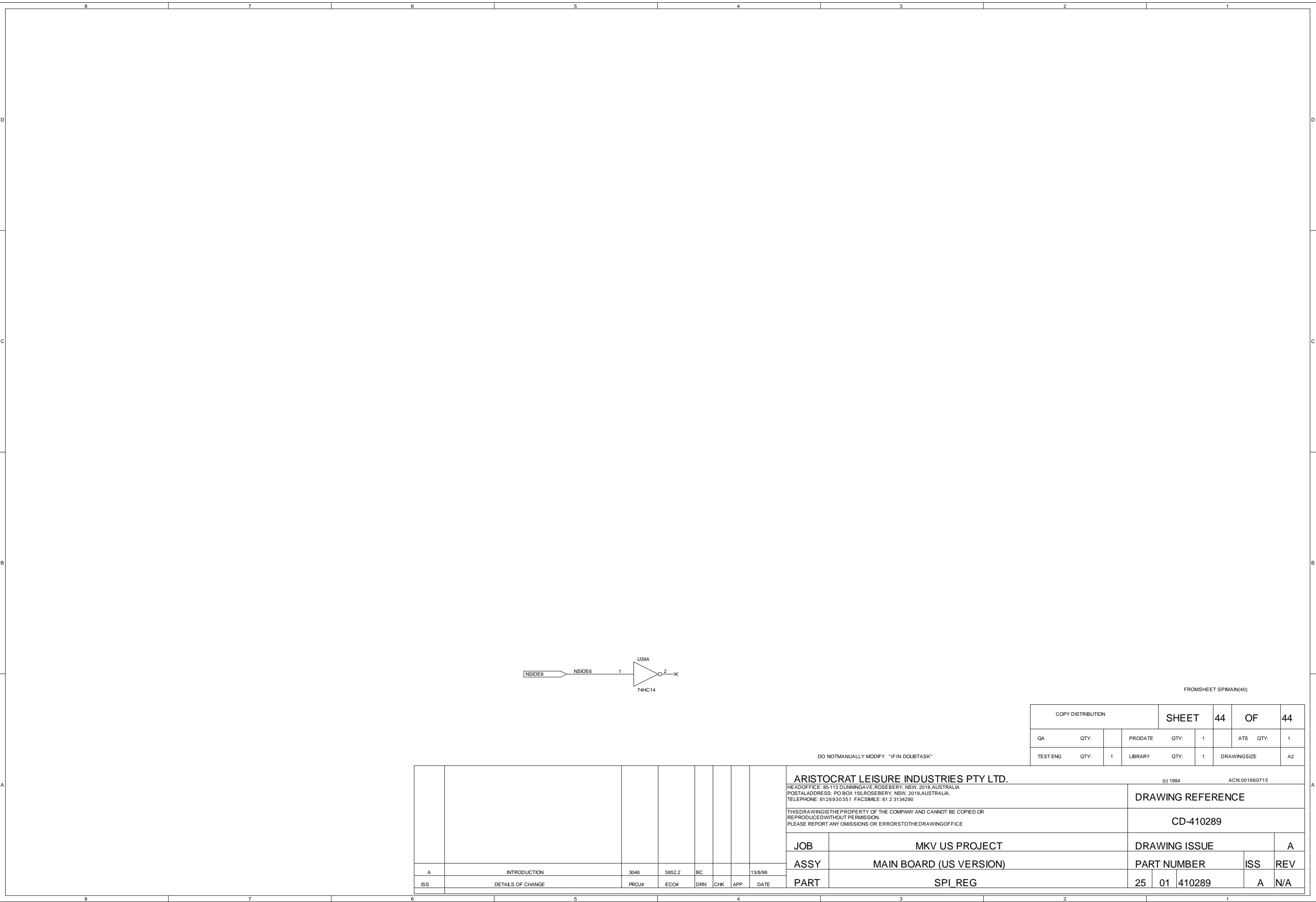
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FROM SHEET SPMAIN(40)

COPY DISTRIBUTION				SHEET	43	OF	44	
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TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB		MKV US PROJECT						DRAWING ISSUE		A		
ASSY		MAIN BOARD (US VERSION)						PART NUMBER		ISS	REV	
PART		MSEC						25	01	410289	A	N/A
A	INTRODUCTION	3046	5852.2	BC						13/8/96		
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE					



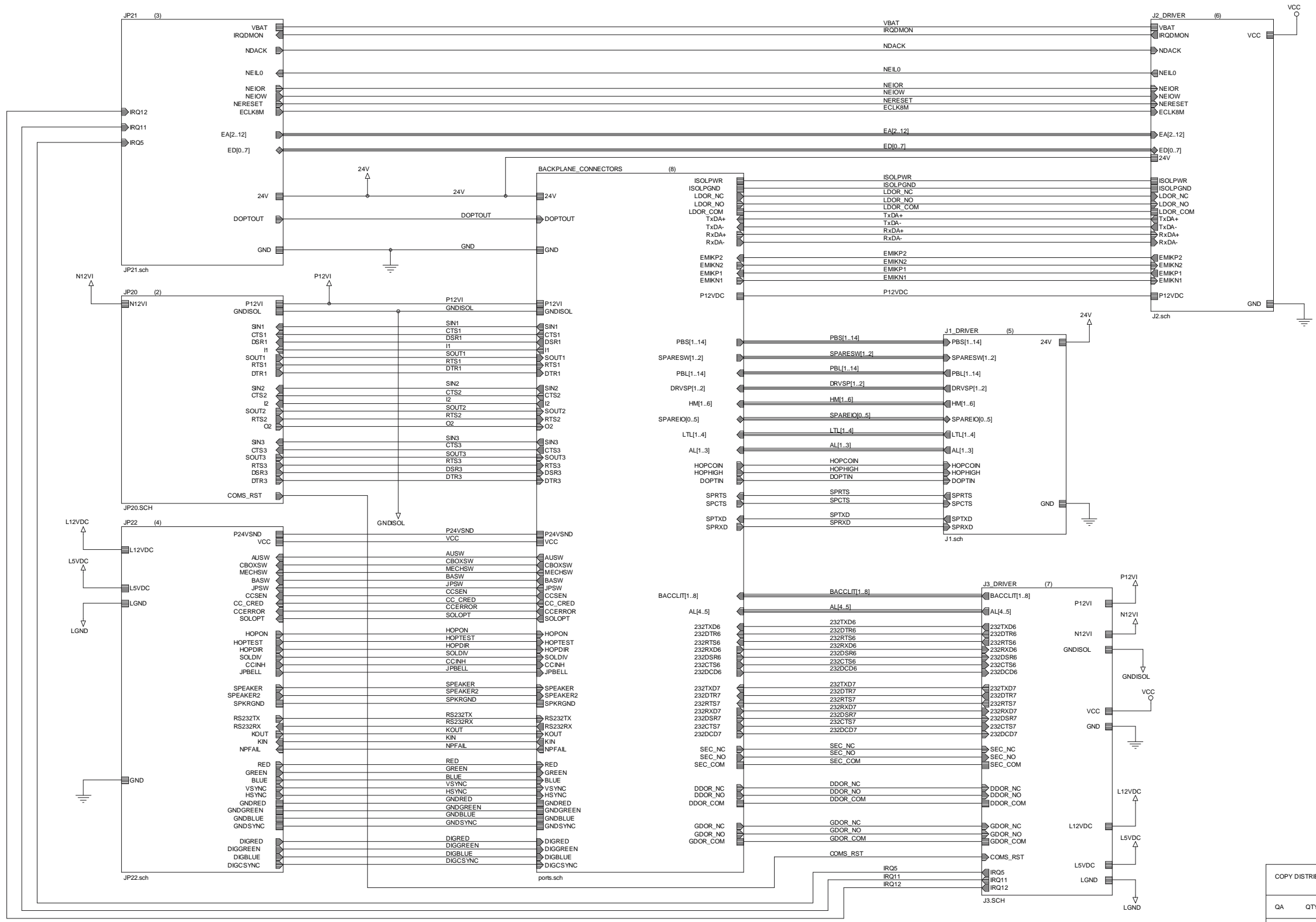
FROM SHEET SPMAIN(40)

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QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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A	INTRODUCTION	3046	5852.2	BC				13/8/96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP		DATE

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JOB	MKV US PROJECT			DRAWING ISSUE		A	
ASSY	MAIN BOARD (US VERSION)			PART NUMBER		ISS	REV
PART	SPI_REG			25	01	410289	A N/A



COPY DISTRIBUTION		SHEET		1	OF	8
QA	QTY:	PROD	QTY:	1	ATS	QTY: 1
TEST	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE		A2

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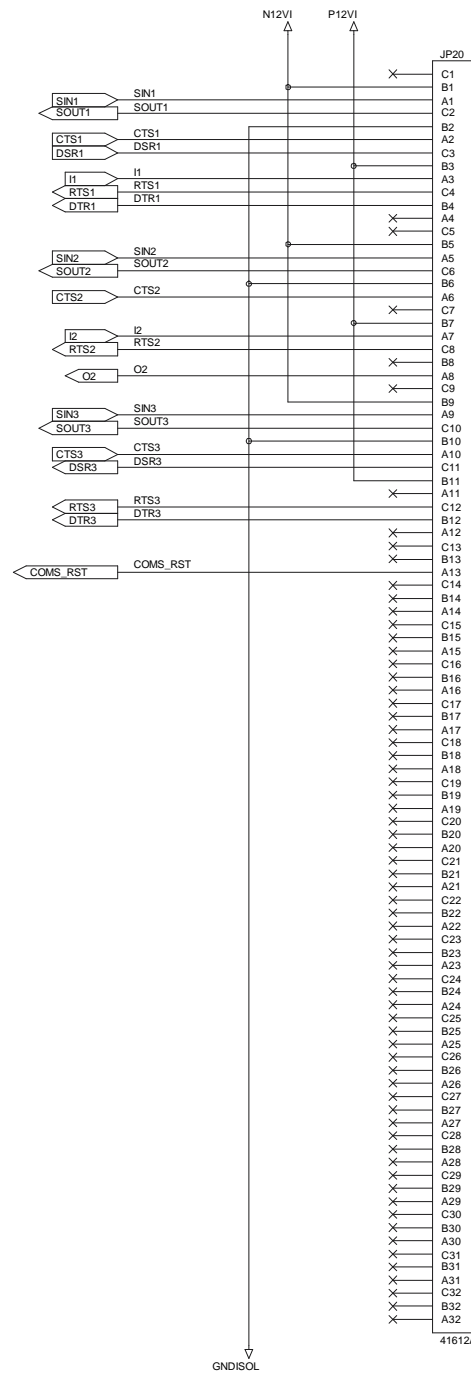
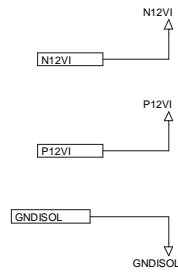
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 CD-410351

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

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

410351.SCH

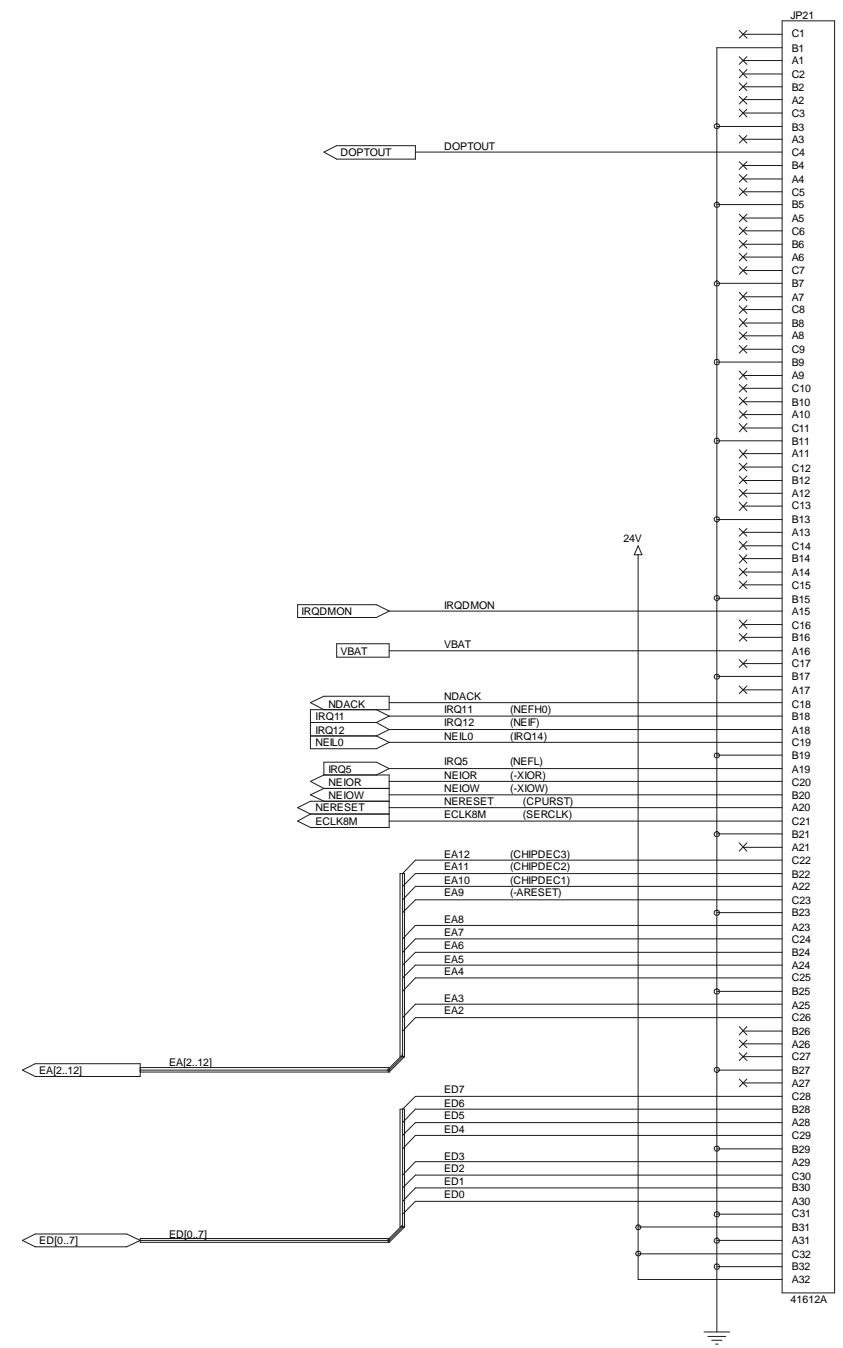
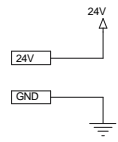


COPY DISTRIBUTION				SHEET	2	OF	8	
QA	QTY:		PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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TELEPHONE: 6126930351 FACSIMILE: 61 2 3134290								DRAWING ISSUE			
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JOB		MKV US POKER						PART NUMBER		ISS	REV
ASSY		MKV/SX US BACKPLANE BOARD						25 01		410351	NA
PART		JP20-MAIN BOARD CONNECTOR									
A	INTRODUCTION	3046	5772	BC	JR	GE	17.10.96				
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE				

JP20.sch

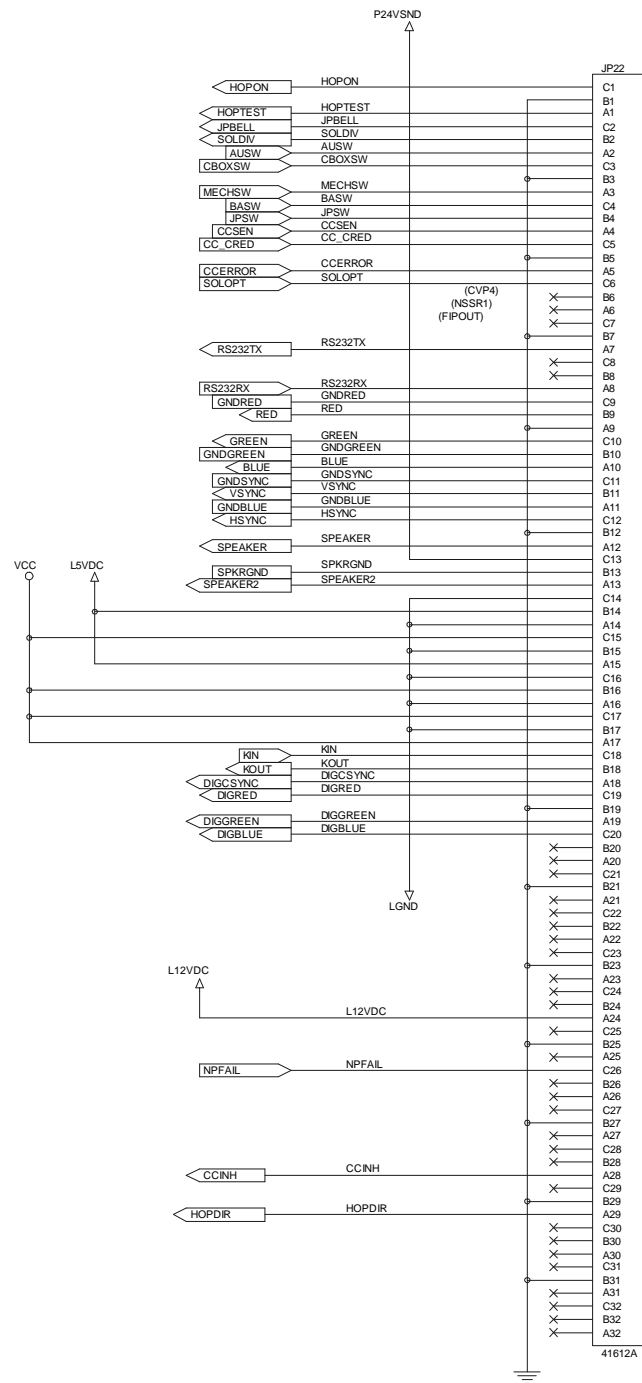
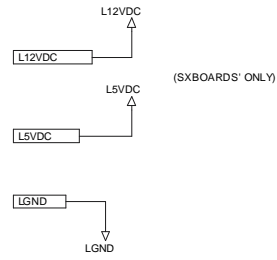
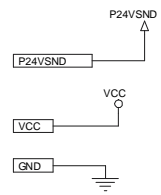


COPY DISTRIBUTION				SHEET	3	OF	8
QA	QTY:	PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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DRAWING REFERENCE				CD-410351			
JOB				MKV US POKER		DRAWING ISSUE	
ASSY				MKV/SX US BACKPLANE BOARD		PART NUMBER	
PART				JP21-MAIN BOARD CONNECTOR		ISS REV	
A				INTRODUCTION		3046 5772 BC JR GE 17-10-96	
ISS				DETAILS OF CHANGE		PROJ# ECO# DRN CHK APP DATE	

JP21.sch



COPY DISTRIBUTION		SHEET		4	OF		8
QA	QTY:	PRODATE	QTY:	1	ATS	QTY:	1
TEST ENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2

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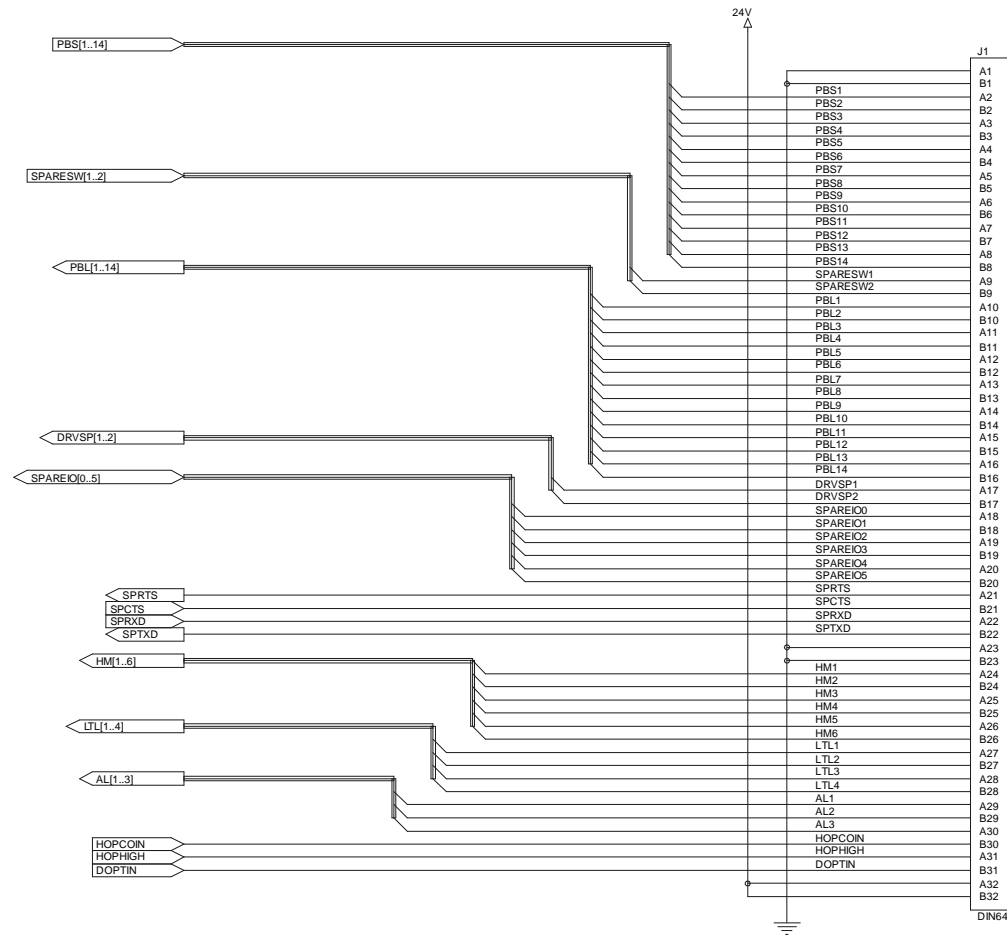
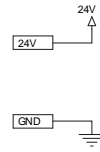
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JOB		MKV US POKER		DRAWING ISSUE		A
ASSY		MKV/SX US BACKPLANE BOARD		PART NUMBER		ISS REV
PART		JP22-MAIN BOARD CONNECTOR		25 01	410351	A NA

A	INTRODUCTION	3046	5772	BC	JR	GE	17.10.96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

JP22.sch



COPY DISTRIBUTION		SHEET	5	OF	8
QA	QTY: 1	PRODATE	QTY: 1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE	A2

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POSTAL ADDRESS: PO BOX 155, ROSEBERY, NSW, 2018, AUSTRALIA
TELEPHONE: 6 12 63 0351 FACSIMILE: 6 12 313 4290

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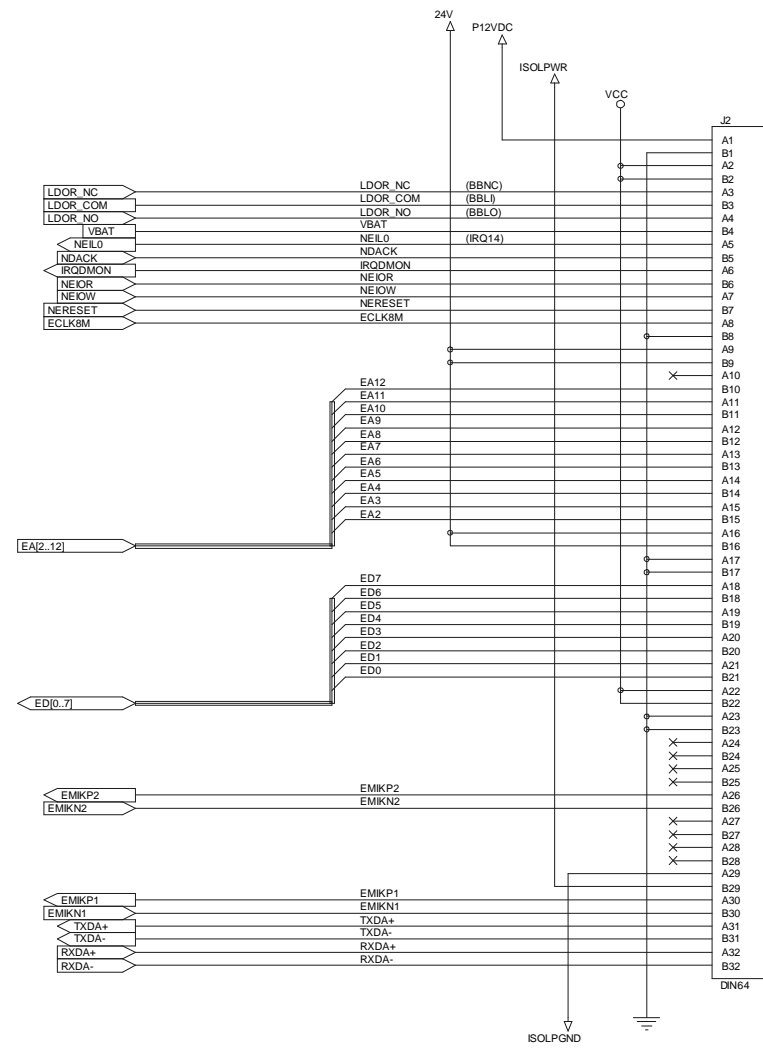
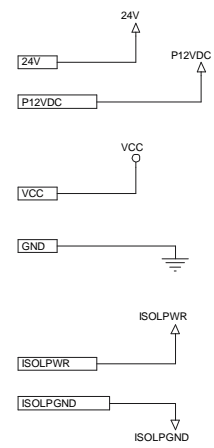
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JOB	MKV US POKER	DRAWING ISSUE	A
ASSY	MKV/SX US BACKPLANE BOARD	PART NUMBER	ISS REV
PART	J1 - DIN64 I/O DRIVER BOARD	25 01 410351	A NA

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

J1.SCH



NOTE:
FOR ISOLATION, NOSOLDERPADSON
PINA24, B24, A25, B25, A27, B27, A28 & B28

COPY DISTRIBUTION		SHEET	6	OF	8
QA	QTY: 1	PRODATE	QTY: 1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE	A2

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 TELEPHONE: 6 12 639 0351 FACSIMILE: 6 12 313 4290

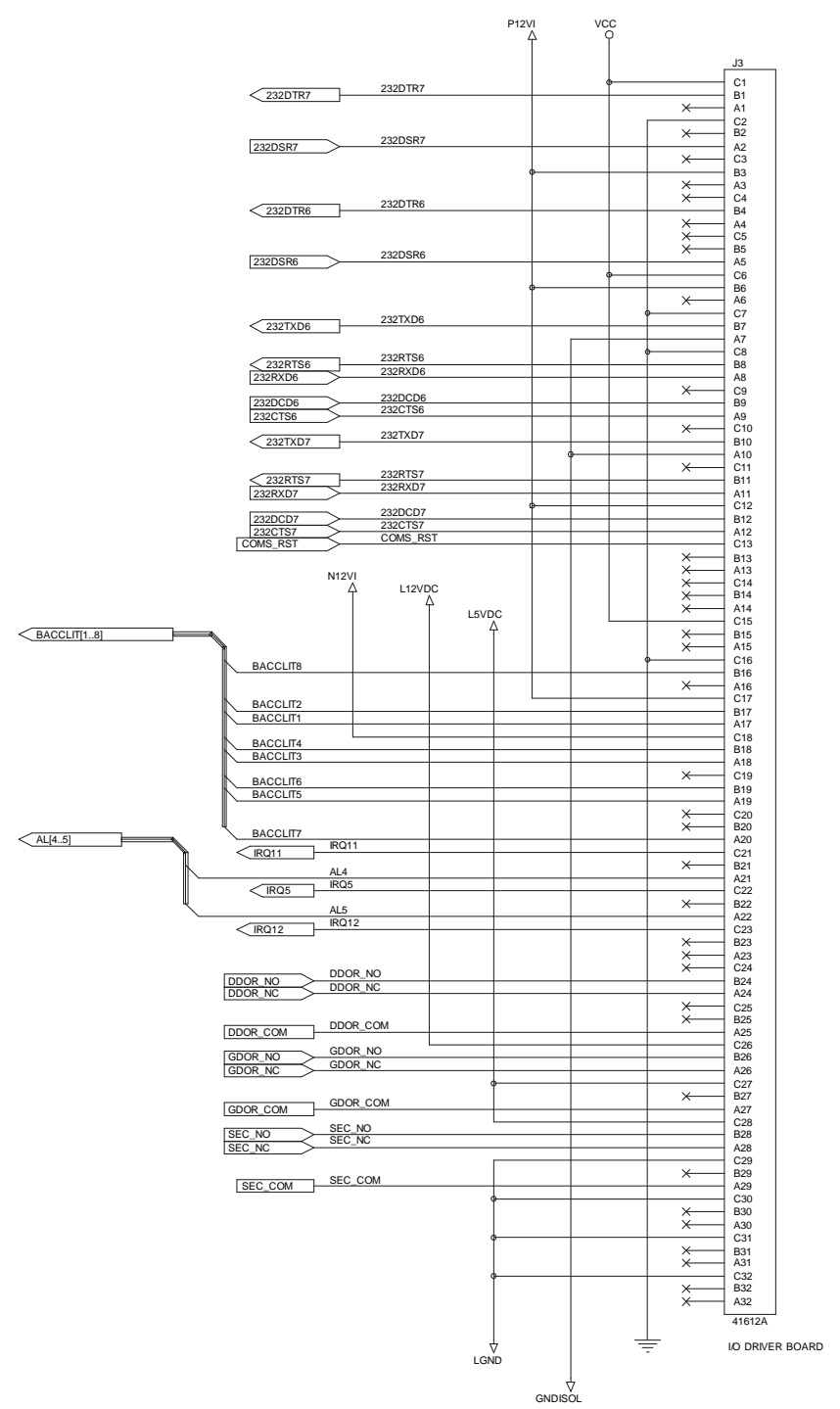
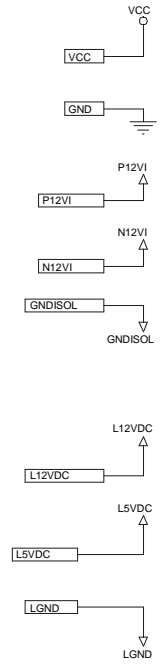
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DRAWING REFERENCE
CD-410351

JOB	MKV US POKER	DRAWING ISSUE	A
ASSY	MKV/SX US BACKPLANE BOARD	PART NUMBER	ISS REV
PART	J2 - DIN64 I/O DRIVER BOARD	25 01 410351	A NA

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

J2.SCH



41612A
I/O DRIVER BOARD

COPY DISTRIBUTION		SHEET	7	OF	8
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TEST ENG	QTY:	1	LIBRARY	QTY:	1
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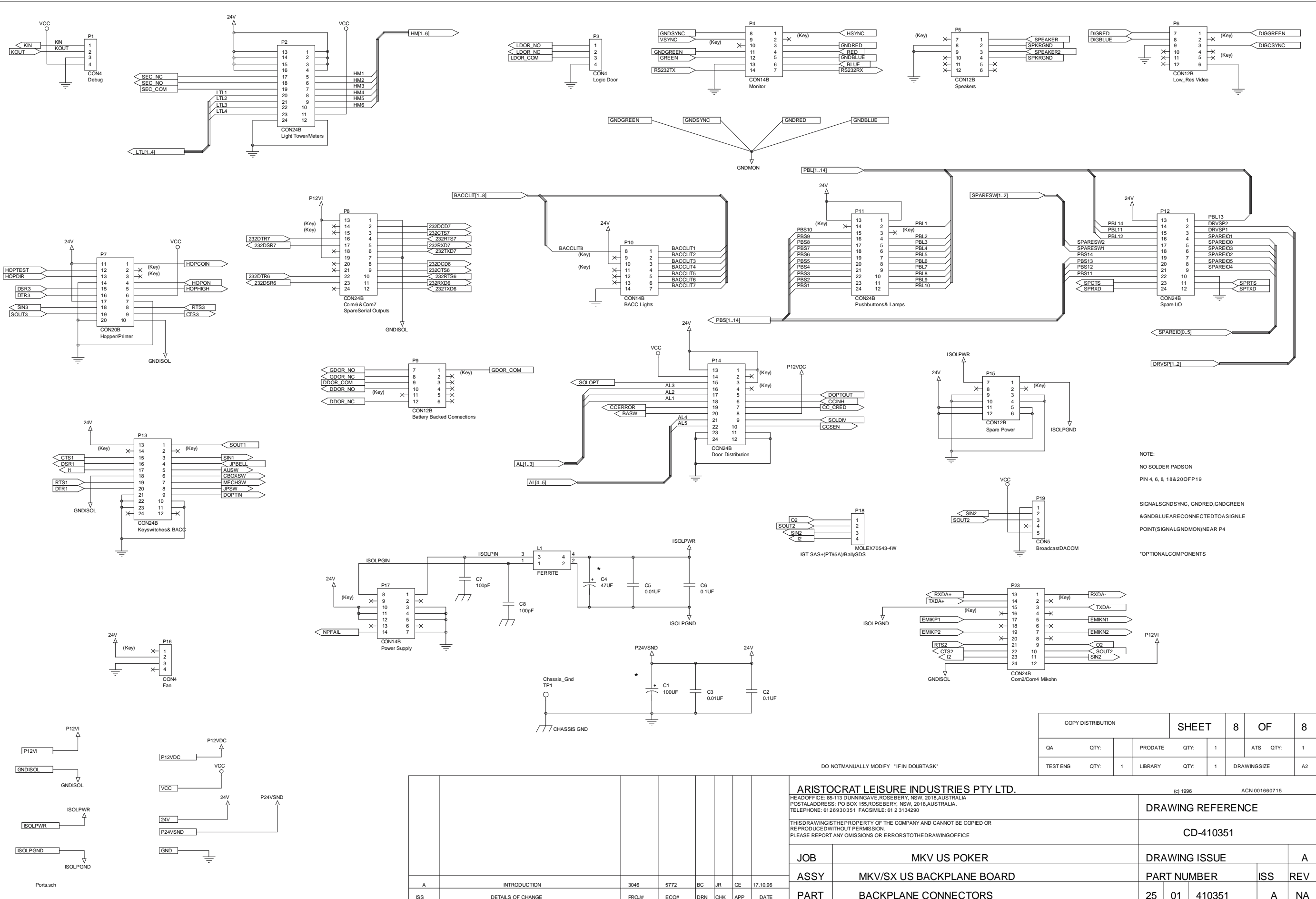
DRAWING REFERENCE

CD-410351

JOB	MKV US POKER	DRAWING ISSUE		A
ASSY	MKV/SX US BACKPLANE BOARD	PART NUMBER	ISS	REV
PART	J3 - DIN96 I/O DRIVER BOARD	25 01 410351	A	NA

A	INTRODUCTION	3046	5772	BC	JR	GE	17-10-96
ISS	DETAILS OF CHANGE	PROJ#	ECOW#	DRN	CHK	APP	DATE

J3.SCH



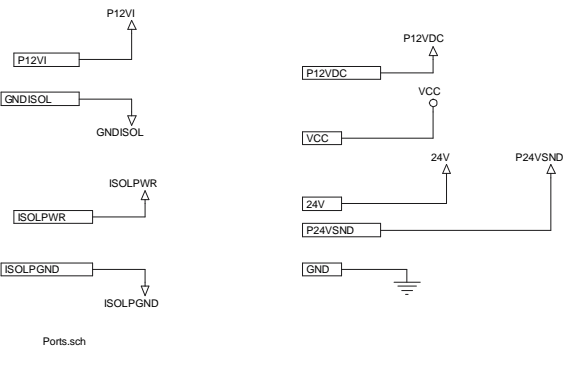
NOTE:
 NO SOLDER PADSON
 PN 4, 6, 8, 18 & 20 OFF P19
 SIGNALSGNDSYNC, GNDRED, GNDGREEN
 & GNDBLUE ARE RECONNECTED TO A SIGNAL NEAR P4
 POINT(SIGNALGNDMON) NEAR P4
 *OPTIONAL COMPONENTS

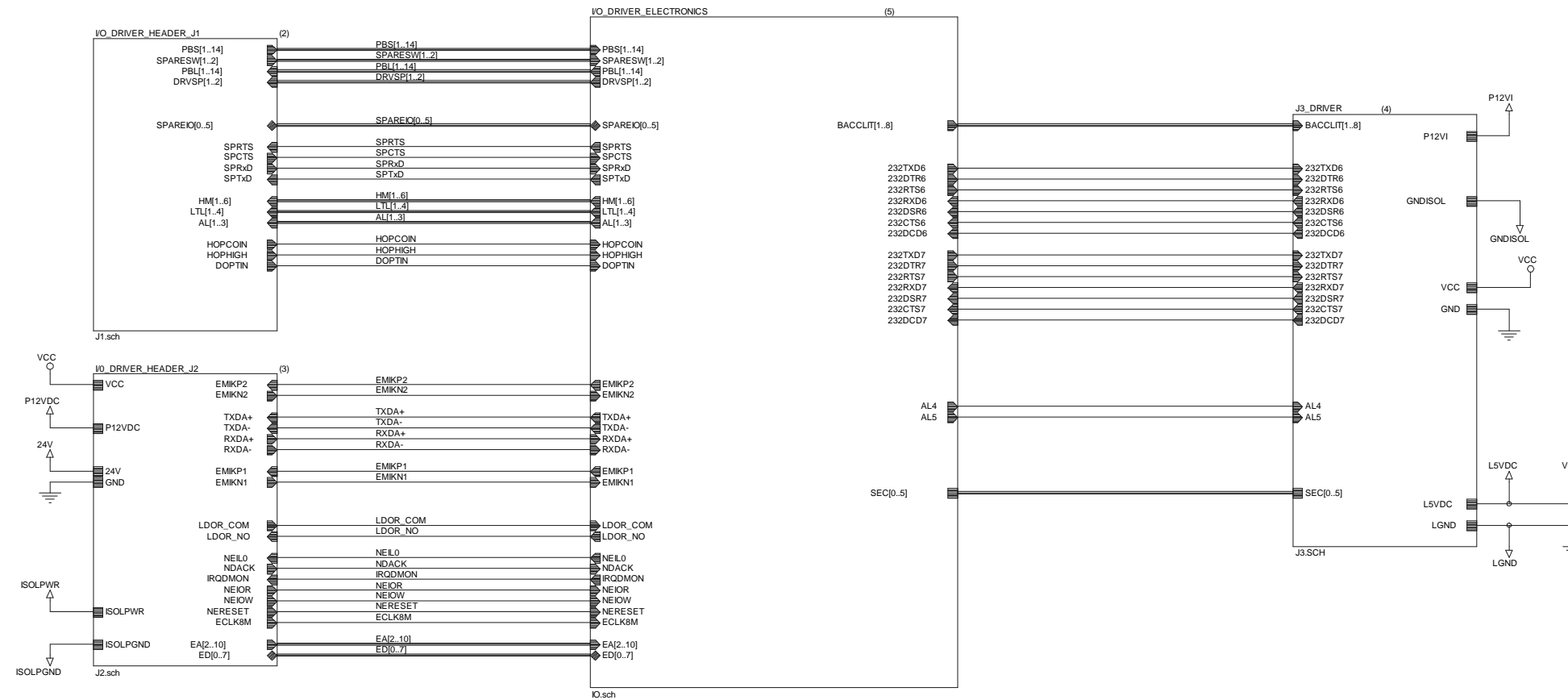
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QA	QTY:	PRODATE	QTY: 1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWINGSIZE	A2

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

A	INTRODUCTION	3046	5772	BC	JR	GE	17.10.96
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

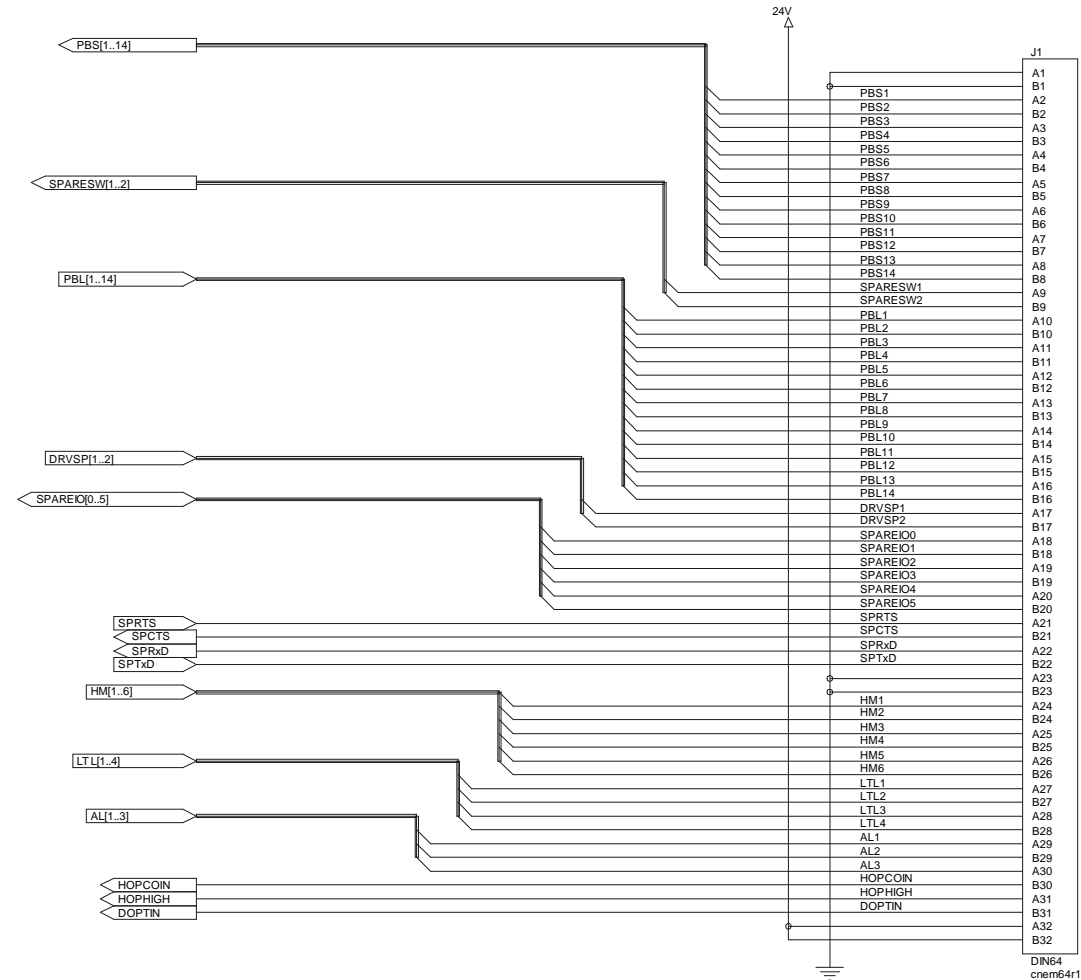




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TEST	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A2	

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										(c)1997 ACN 001 660 715									
										DRAWING REFERENCE									
										CD - 410355									
										DRAWING ISSUE					B				
										PART NUMBER					ISS REV				
										25 01 410355					A 1				
B Text added, sheets 1 2 & 13 changed										41923 7304 JR 22/1/98									
A INTRODUCTION & RE-ANOTATE										3068 5762.2 RF RF GE 10/7/96									
ISS DETAILS OF CHANGE										PROJ# ECO# DRN CHK APP DATE									



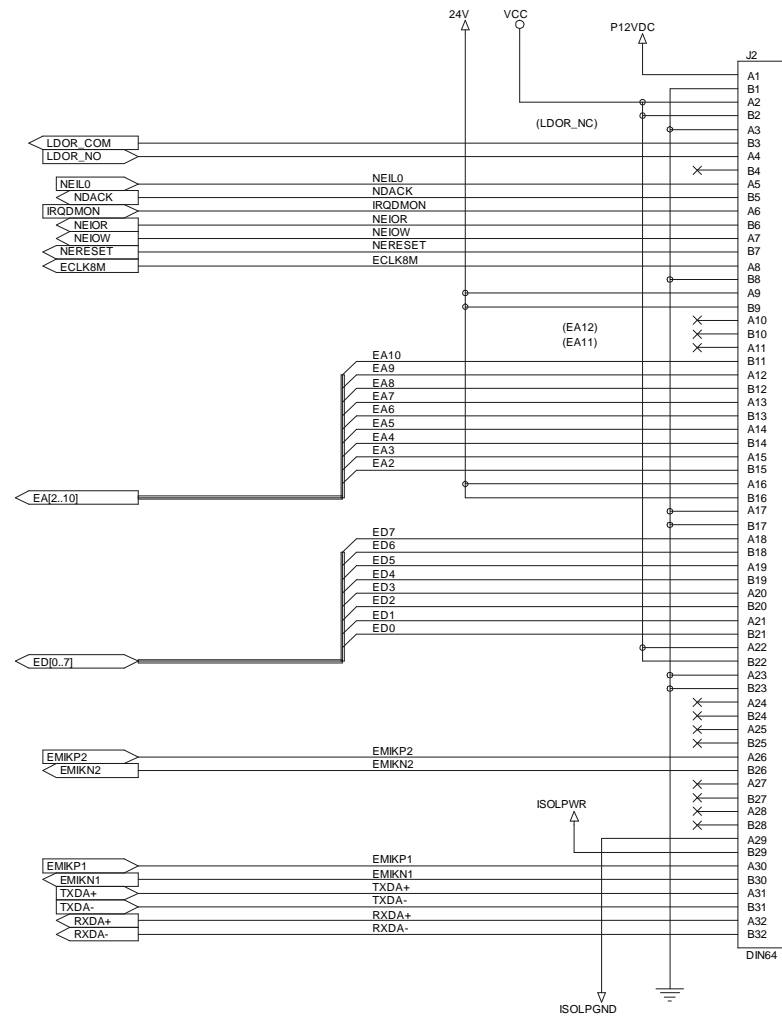
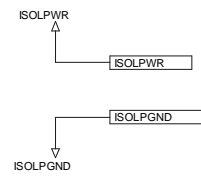
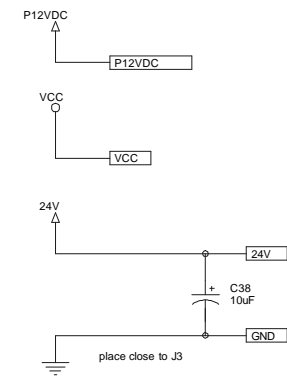
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TEST	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE		A2	

DO NOT MANUALLY MODIFY "F IN DOUBT TASK"

j1.sch

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
B	Title block change only	41923	7304	JR			22/1/98
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF	RF	GE	10/7/96

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JOB		MKV US POKER		DRAWING ISSUE		B	
ASSY		EXTENDED US IO DRIVER BOARD		PART NUMBER		ISS REV	
PART		J1		25	01	410355	A 1



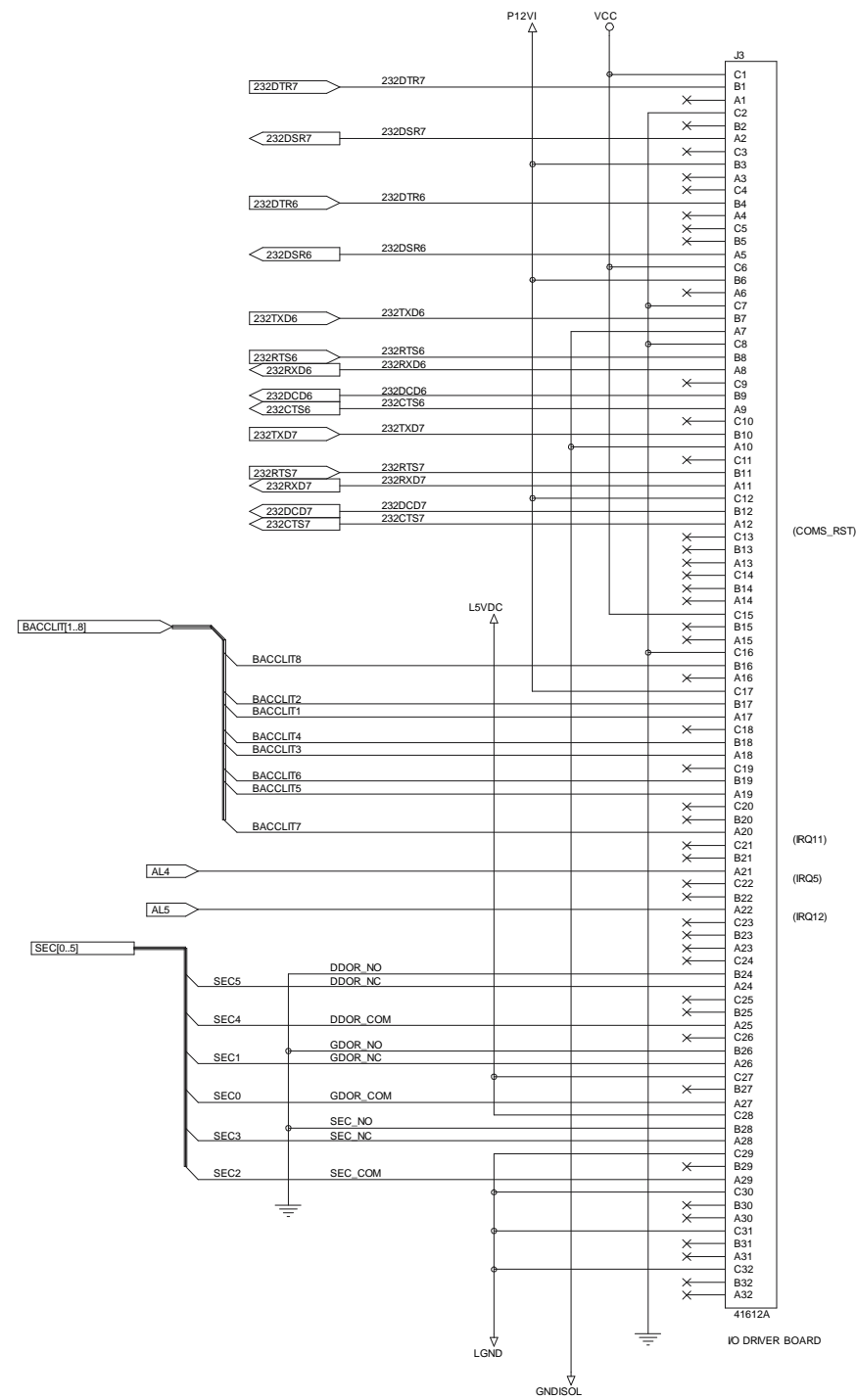
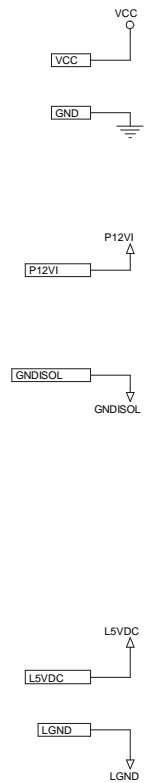
THE FOLLOWING PINS DO NOT INCLUDE PADS:
A24, B24, A25, B25, A27, B27, A28, AND B28

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

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								CD - 410355					
JOB								MKV US POKER					
ASSY								EXTENDED US I/O DRIVER BOARD					
PART								J2					
DRAWING ISSUE								B					
PART NUMBER								ISS REV					
25 01 410355								A 1					
B	Title block change only							41923	7304	JR			22/1/98
A	INTRODUCTION							3068	5762.2	RF	RF	GE	10/7/96
ISS	DETAILS OF CHANGE							PROJ#	ECO#	DRN	CHK	APP	DATE

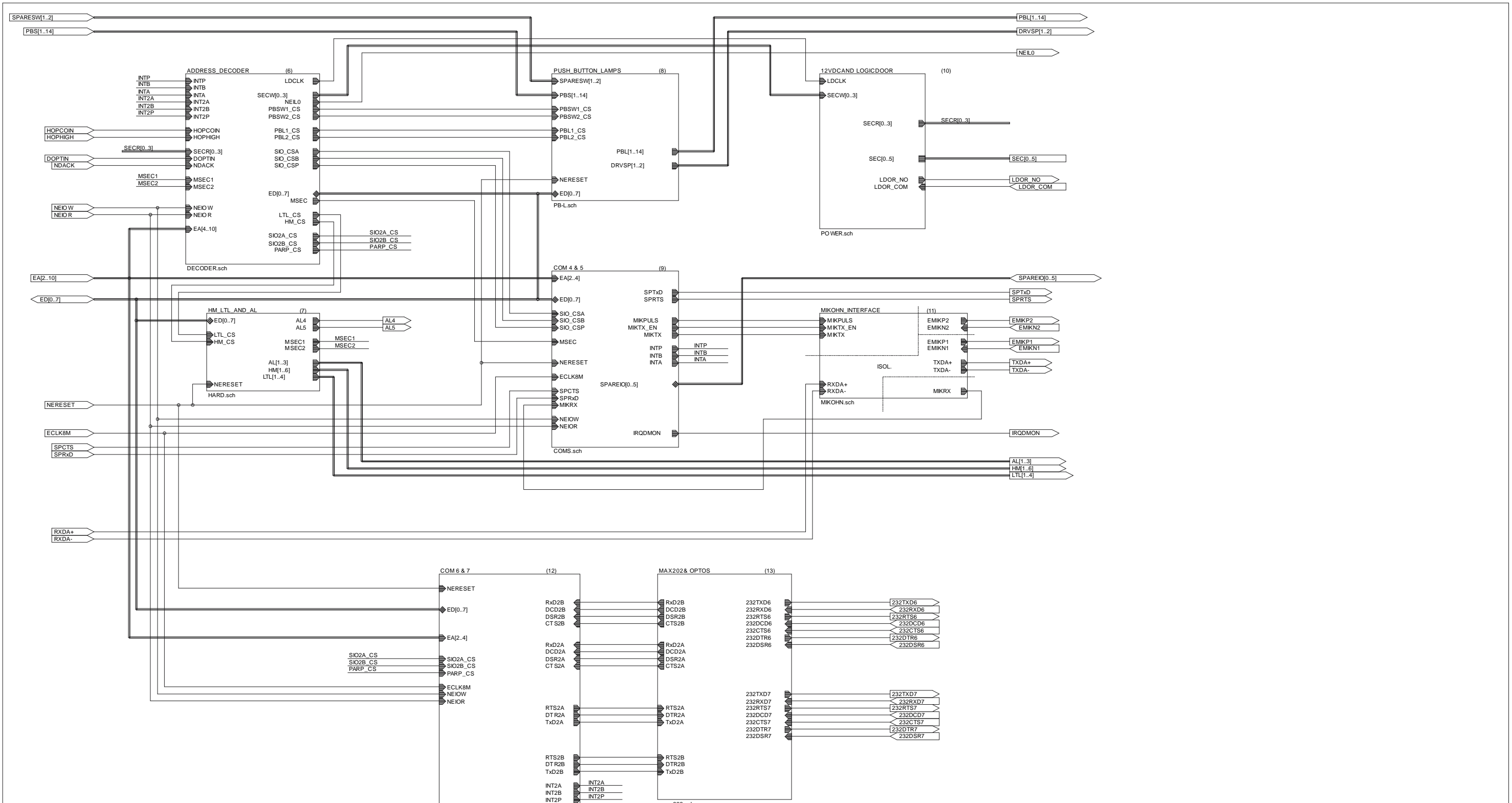


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TEST	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB MKV US POKER ASSY EXTENDED US IO DRIVER BOARD PART J3						B PART NUMBER ISS REV 25 01 410355 A 1			
B	Titleblock changed	41923	7304	JR			22/1/98		
A	INTRODUCTION	3068	5762.2	RF	RF	GE	10/7/96		
SS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE		



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 "F INDOUBT"

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
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A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF	RF	GE	10/7/96

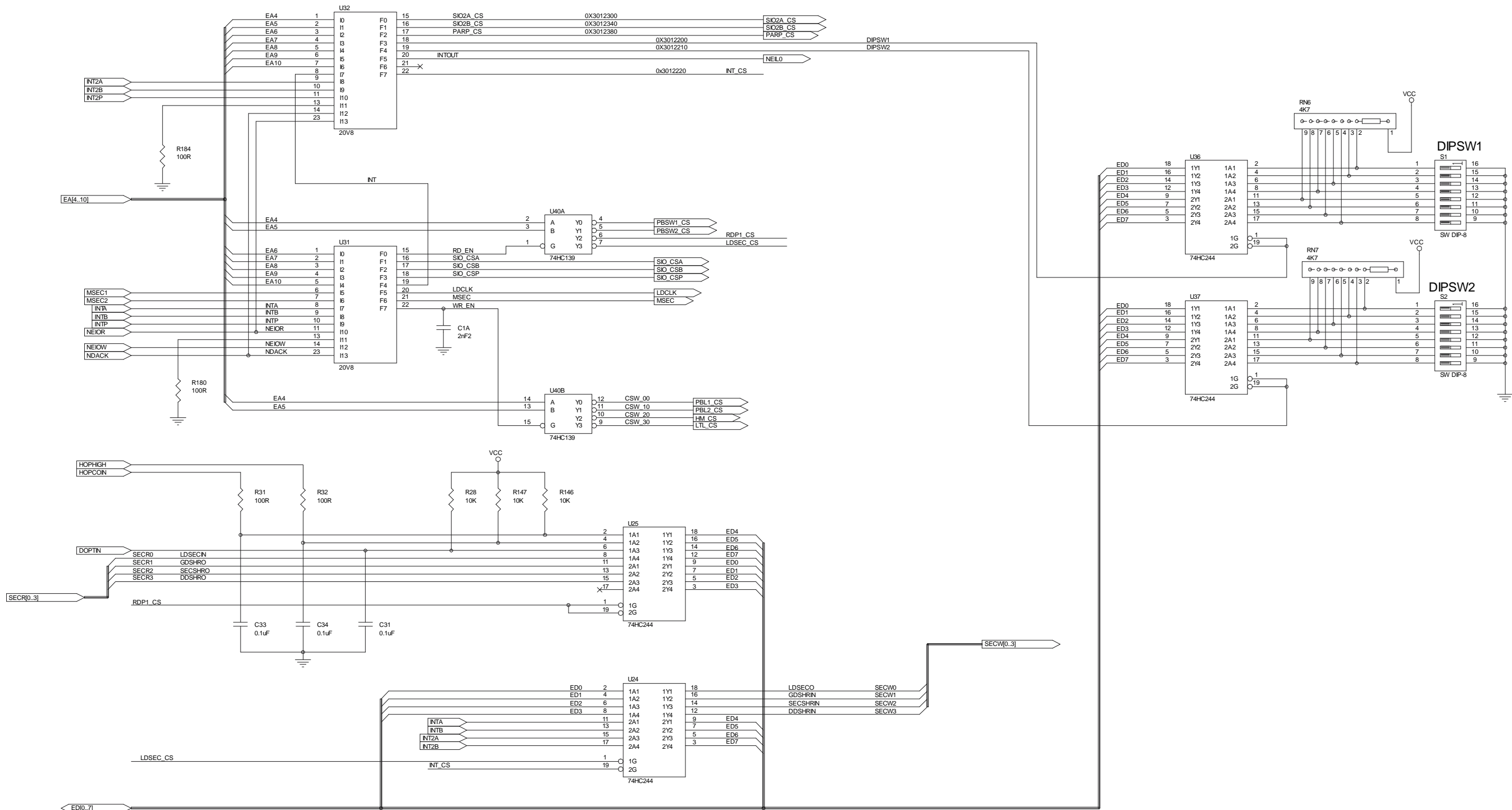
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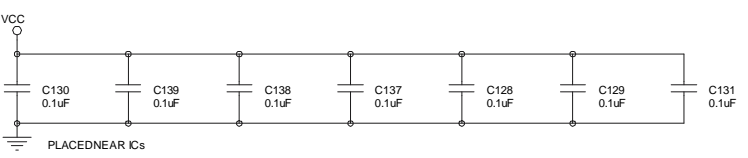
JOB	MKV US POKER	DRAWING ISSUE	B01
ASSY	EXTENDED US IO DRIVER BOARD	PART NUMBER	ISS REV
PART	BLOCK DIAGRAM	25 01 410355	A 1

DRAWING REFERENCE
CD - 410355



COPY DISTRIBUTION		SHEET		6	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"



ISS	DETAILS OF CHANGE	PROJ#	ECOM#	DRN	CHK	APP	DATE
B	Title block changed, C 1A added	41923	7304	RF			22/1/98
A	INTRODUCTION & RE-ANNOTATE	3068	5762.2	RF	RF	GE	10/7/96

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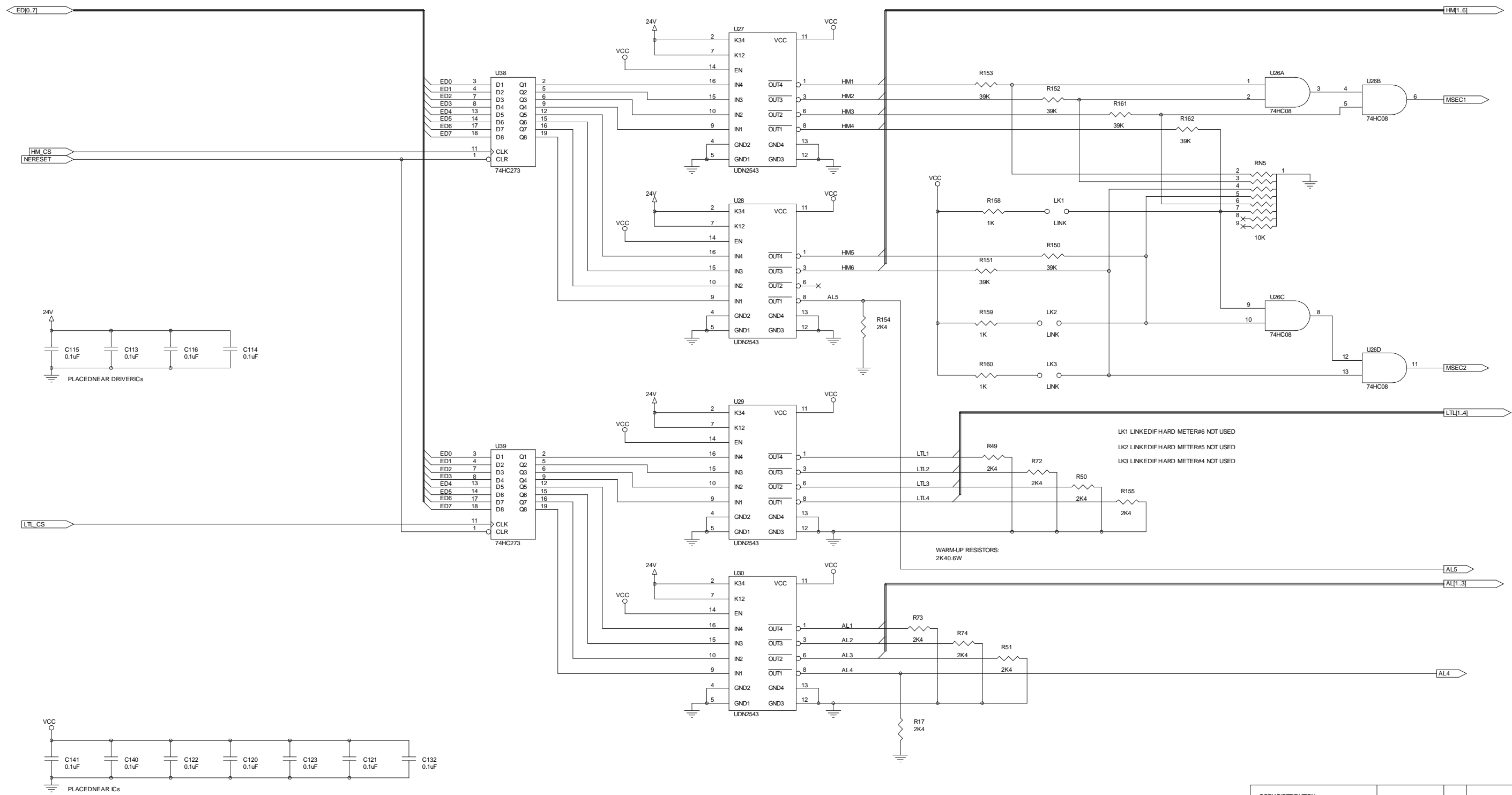
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DRAWING REFERENCE

DRAWING REFERENCE		CD - 410355	
DRAWING ISSUE		B	
PART NUMBER		ISS	REV
25	01	410355	A 1

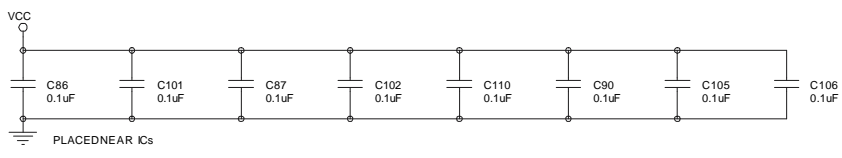
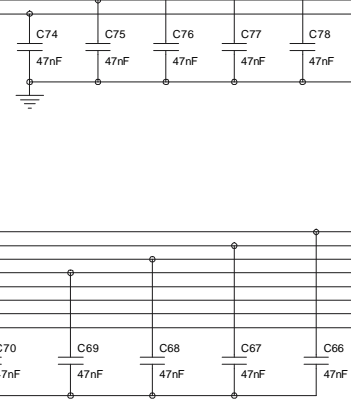
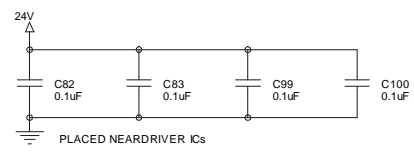
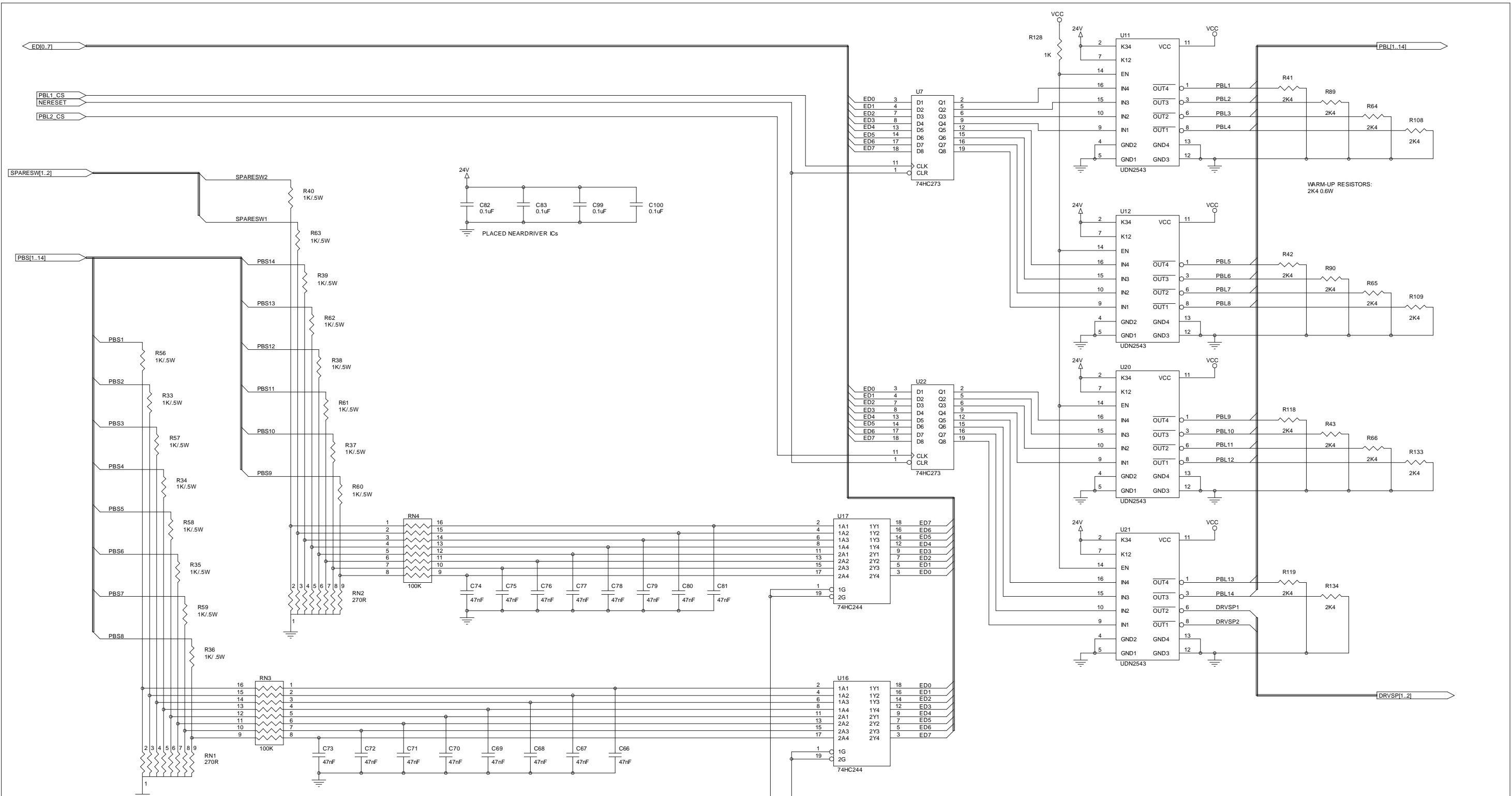
JOB	MKV US POKER
ASSY	EXTENDED US I/O DRIVER BOARD
PART	DECODER LOGIC



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

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JOB		MKV US POKER			DRAWING ISSUE			B																																			
ASSY		EXTENDED US I/O DRIVER BOARD			PART NUMBER			ISS		REV																																	
PART		HARD METERS, LAMPS			25	01	410355	A	1																																		
<table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>PROJ#</th> <th>ECON#</th> <th>DRN</th> <th>CHK</th> <th>APP</th> <th>DATE</th> </tr> <tr> <td>B</td> <td>Title block changed</td> <td>41923</td> <td>7304</td> <td>JR</td> <td></td> <td></td> <td>22/1/98</td> </tr> <tr> <td>A</td> <td>INTRODUCTION & RE-ANOTATE</td> <td>3068</td> <td>5762.2</td> <td>RF</td> <td></td> <td></td> <td>10/7/96</td> </tr> <tr> <td>ISS</td> <td>DETAILS OF CHANGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							REV	DESCRIPTION	PROJ#	ECON#	DRN	CHK	APP	DATE	B	Title block changed	41923	7304	JR			22/1/98	A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96	ISS	DETAILS OF CHANGE											
REV	DESCRIPTION	PROJ#	ECON#	DRN	CHK	APP	DATE																																				
B	Title block changed	41923	7304	JR			22/1/98																																				
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF			10/7/96																																				
ISS	DETAILS OF CHANGE																																										



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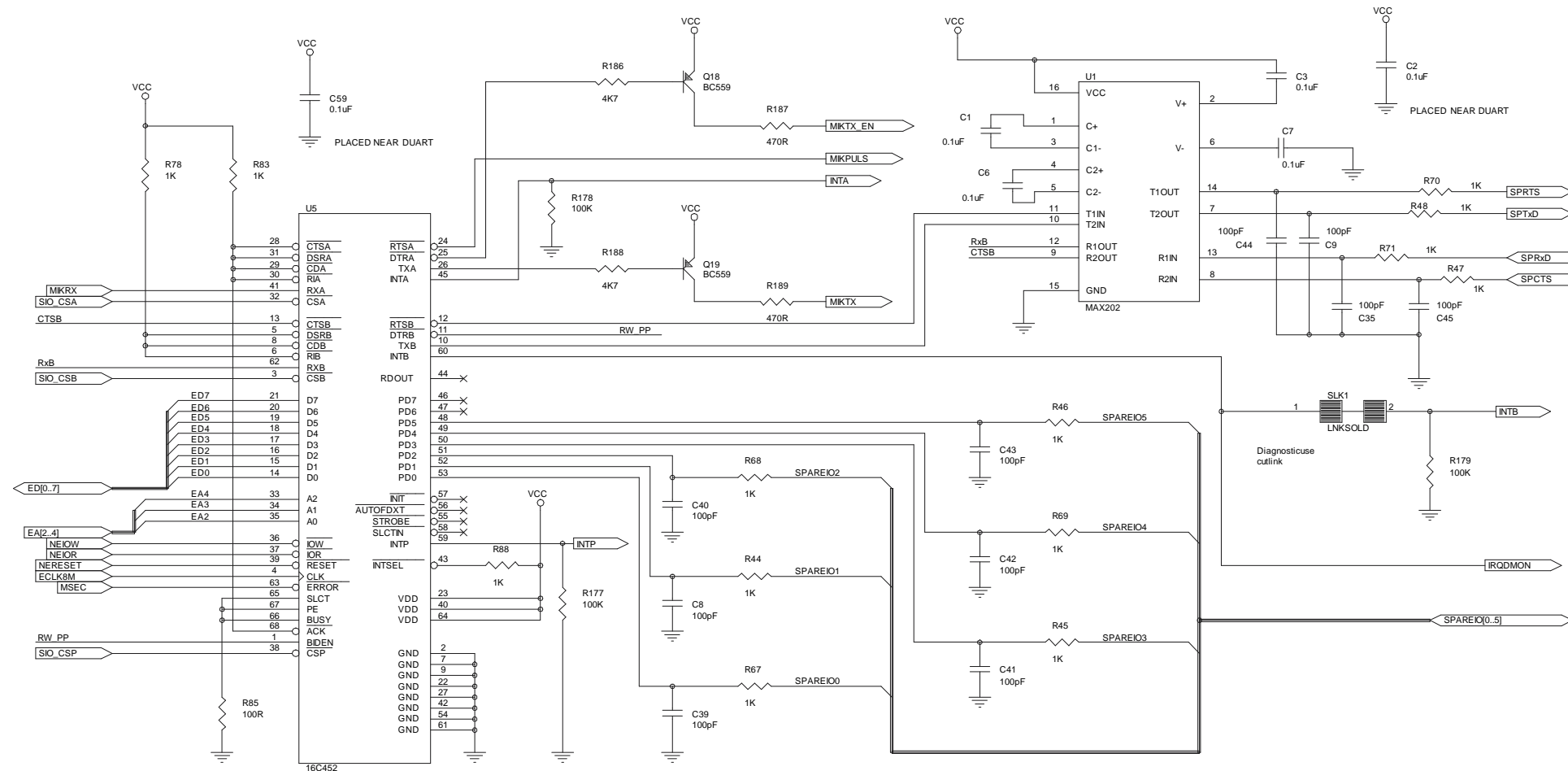
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JOB	MKV US POKER
ASSY	EXTENDED US I/O DRIVER BOARD
PART	PUSH BUTTONS, LAMPS

DRAWING REFERENCE		CD - 410355	
DRAWING ISSUE		B	
PART NUMBER		ISS REV	
25	01 410355	A	1

REV	DESCRIPTION	PROJ#	ECO#	DRN	CHK	APP	DATE
B	Title block changed	41923	7304	JR			22.1.98
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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE

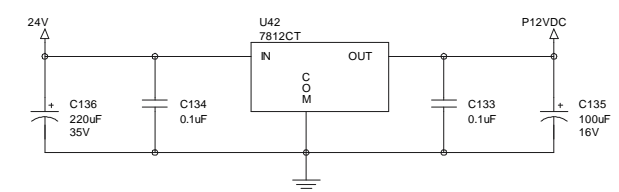
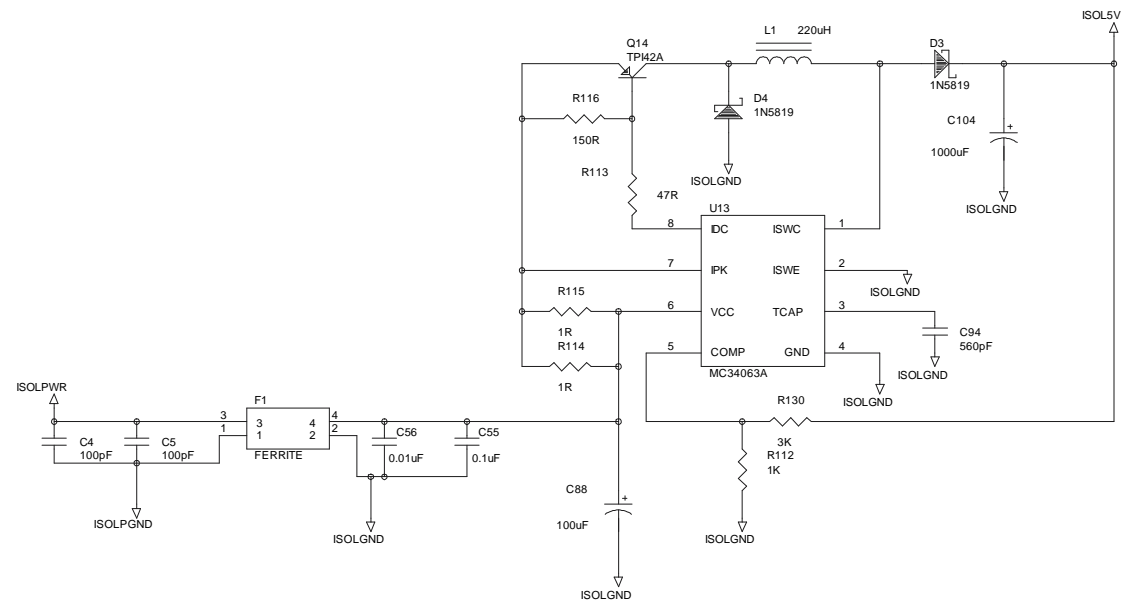
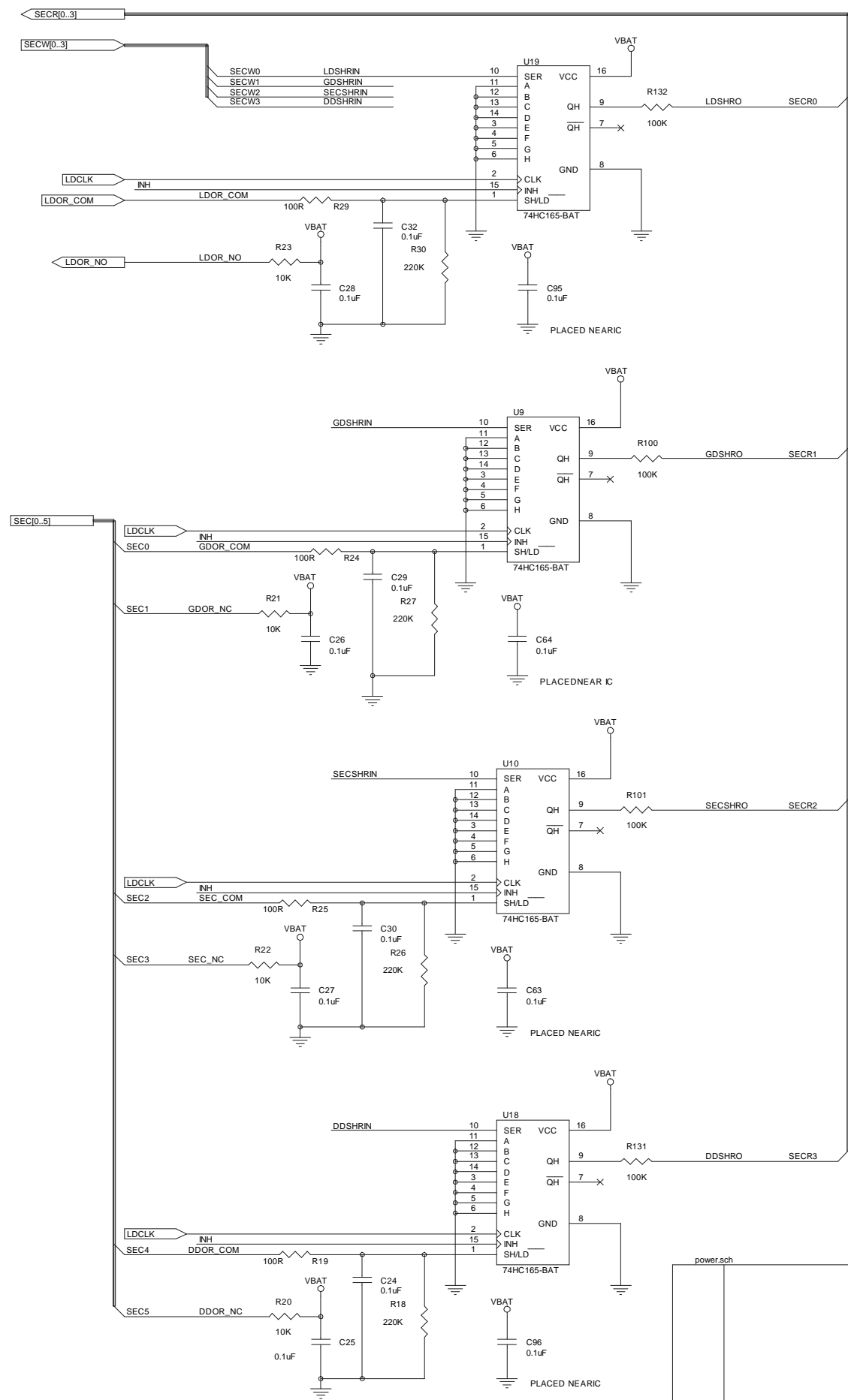
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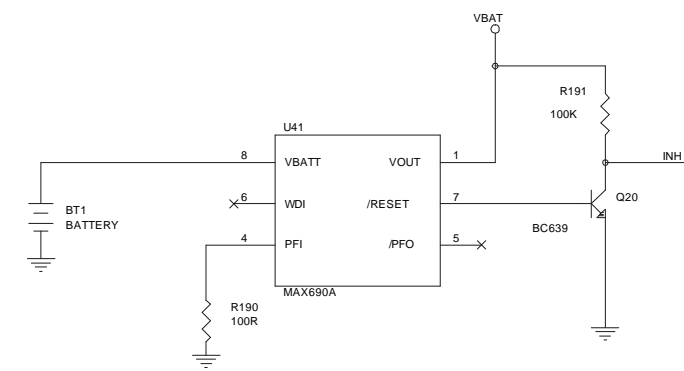
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							DRAWING REFERENCE							
							CD - 410355							
							DRAWING ISSUE							
							B							
B	Titleblock changed	41923	7304	JR		22/1/98	ASSY		EXTENDED US I/O DRIVER BOARD		PART NUMBER		ISS	REV
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF	RF	GE	PART		COMM PORTS 4 & 5		25 01 410355		A	1
ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP								



INCLUDES HEATSINK



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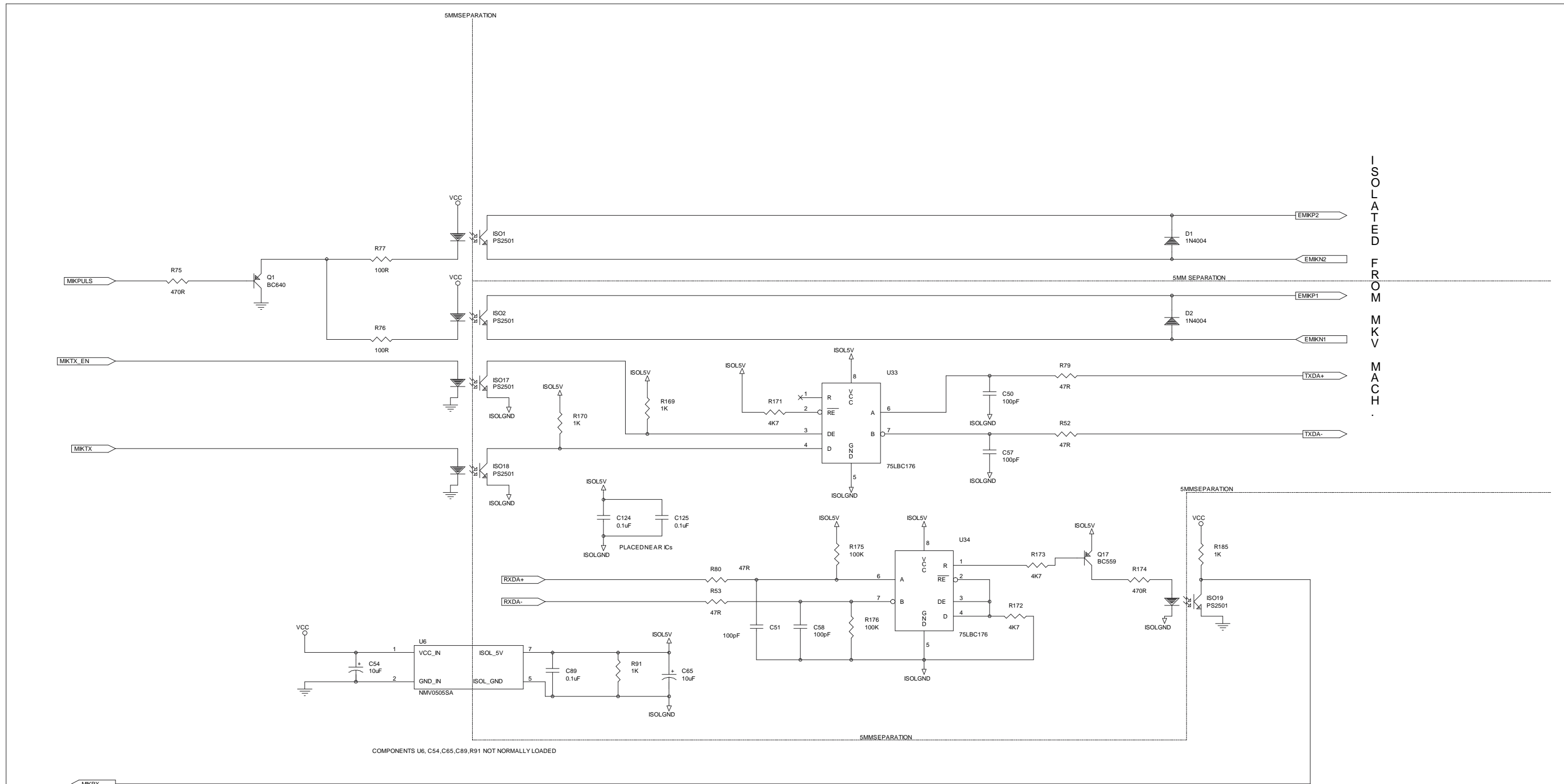
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ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
B	Titleblock changed	41923	7304	JR			22/1/98
A	INTRODUCTION	3068	5762.2	RF	RF	GE	10/7/96

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JOB	MKV US POKER	DRAWING REFERENCE	
ASSY	EXTENDED US IO DRIVER BOARD	CD - 410355	
PART	POWER SUPPLY, DOOR SECURITY	DRAWING ISSUE	B
		PART NUMBER	ISS REV
		25 01 410355	A 1



ISOLATED FROM MKV MACH

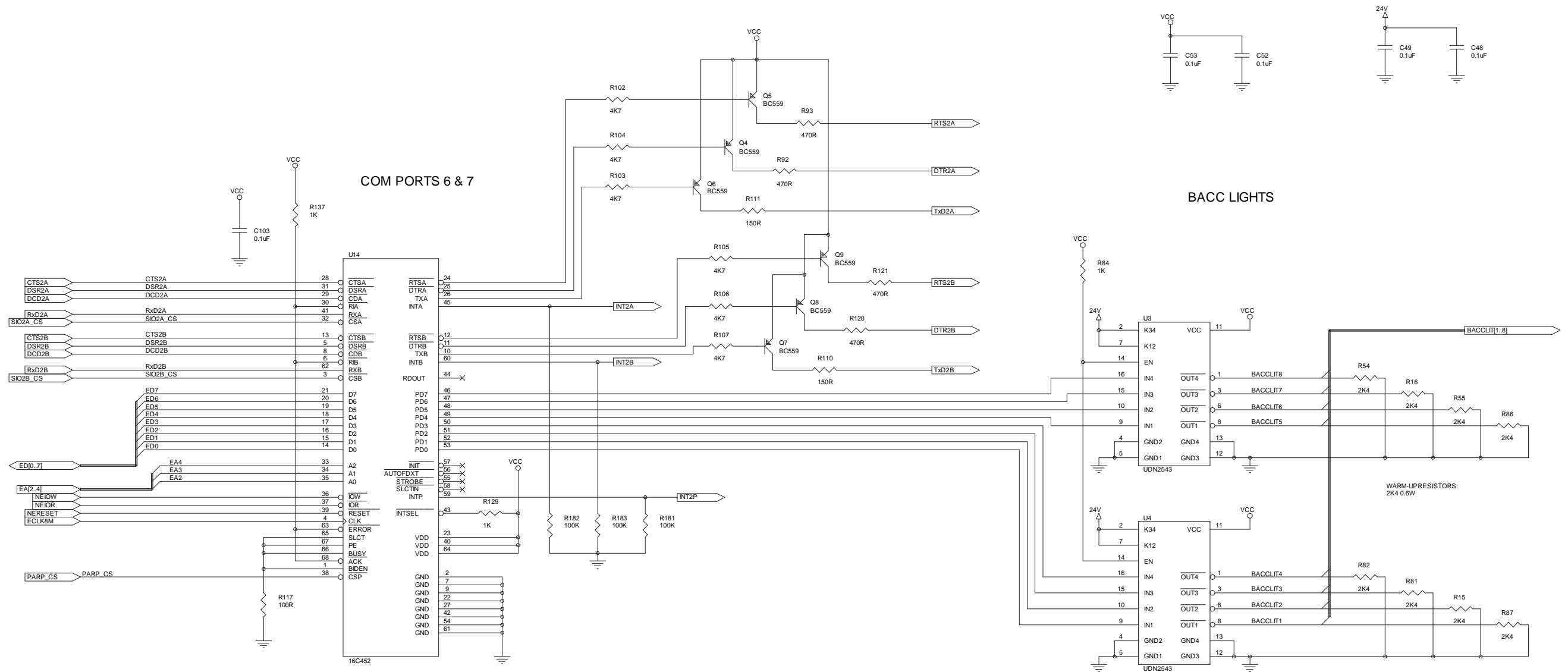
COMPONENTS U6, C54, C65, C89, R91 NOT NORMALLY LOADED

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

mikohn.sch

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JOB		MKV US POKER				DRAWING ISSUE		B
ASSY		EXTENDED US IO DRIVER BOARD				PART NUMBER		ISS REV
PART		MIKOHN				25 01 410355		A 1
B	Title block changed	41923	7304	JR		22/2/98		
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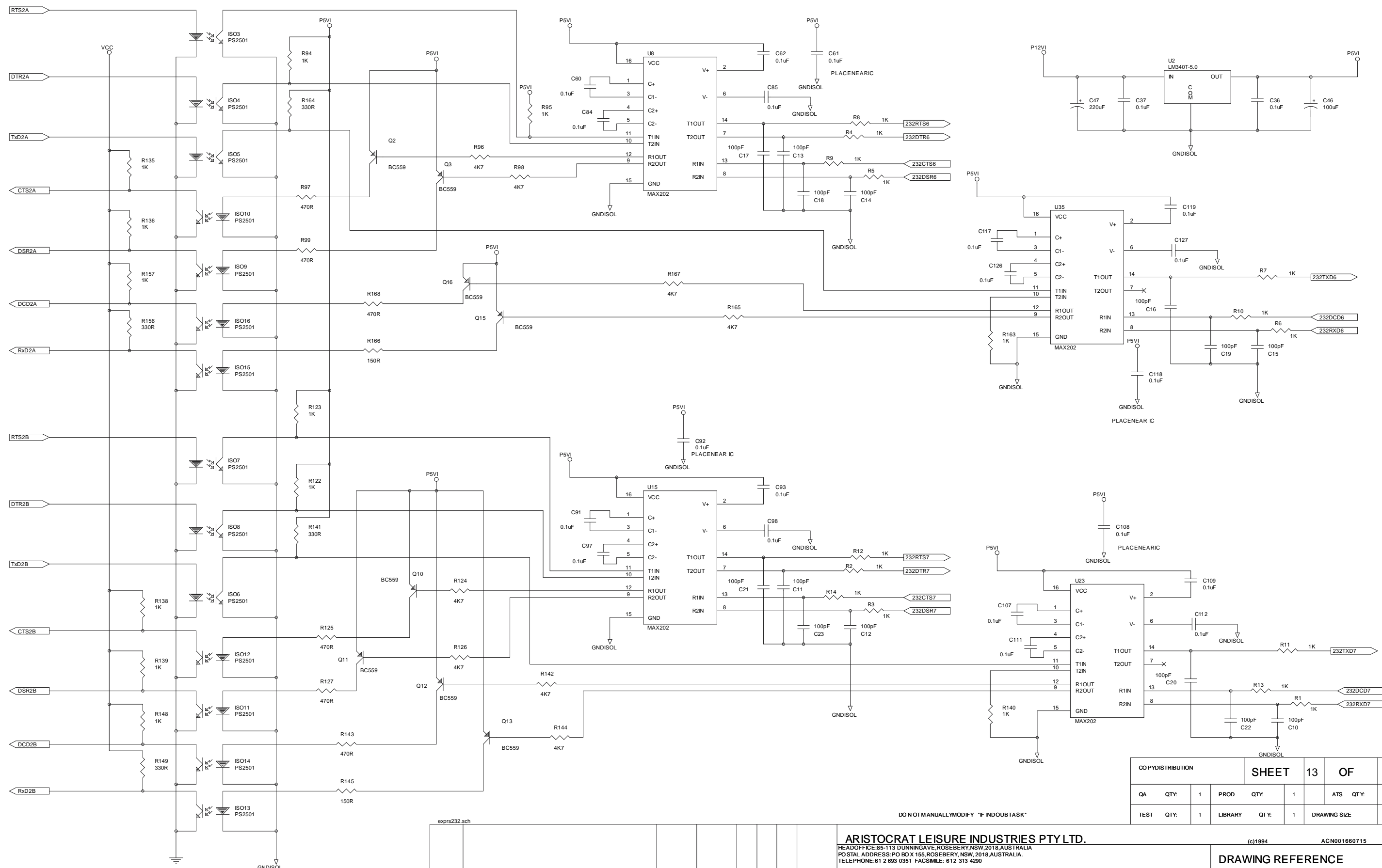


COPY DISTRIBUTION		SHEET	12	OF	13
QA	QTY: 1	PROD	QTY: 1	ATS	QTY: 1
TEST	QTY: 1	LIBRARY	QTY: 1	DRAWING SIZE	A2

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<p>JOB MKV US POKER</p>		<p>DRAWING ISSUE</p>			<p>B</p>			
<p>ASSY EXTENDED US IO DRIVER BOARD</p>		<p>PART NUMBER</p>			<p>ISS REV</p>			
<p>PART COMM PORTS 6 & 7</p>		<p>25 01 410355</p>			<p>A 1</p>			

ISS	DETAILS OF CHANGE	PROJ#	ECO#	DRN	CHK	APP	DATE
B	R110, R111 changed from 470R to 150R	41923	7304	JR			22/1/98
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF	RF	GE	10/7/96



exprs232.sch

REV	DESCRIPTION	PROJ#	ECO#	DRN	CHK	APP	DATE
B	R141,145,149,156,164,166changed	41923	7304	JR			22/1/98
A	INTRODUCTION & RE-ANOTATE	3068	5762.2	RF	RF	GE	10/7/96
ISS	DETAILS OF CHANGE						

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JOB	MKV US POKER
ASSY	EXTENDED US IO DRIVER BOARD
PART	COM6 & 7 DRIVER & OPTOISOL

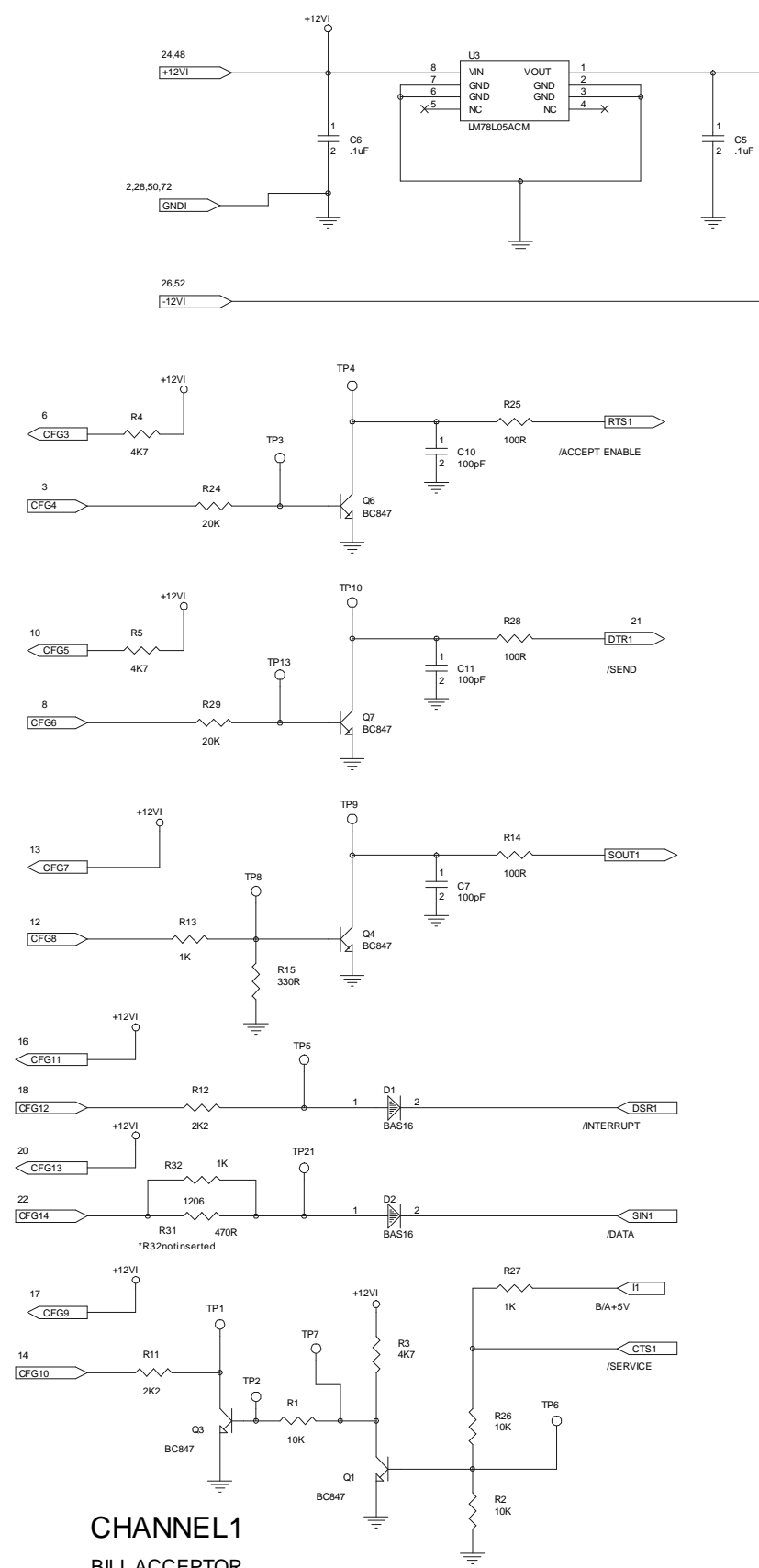
COPY DISTRIBUTION				SHEET	13	OF	13	
QA	QTY:	1	PROD	QTY:	1	ATS	QTY:	1
TEST	QTY:	1	LIBRARY	QTY:	1	DRAWING SIZE	A2	

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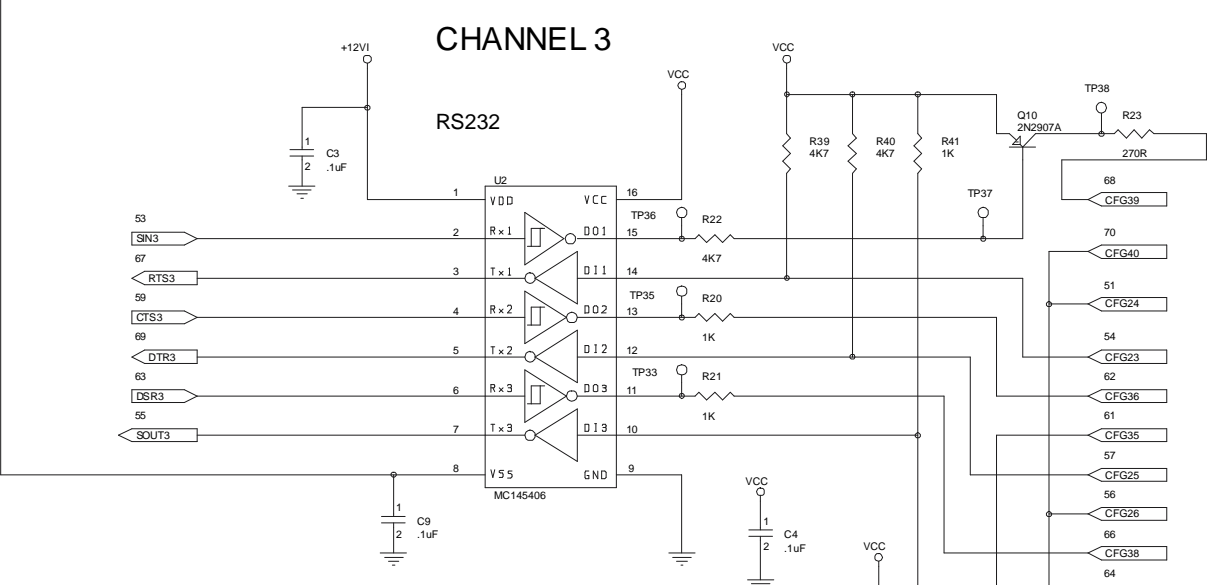
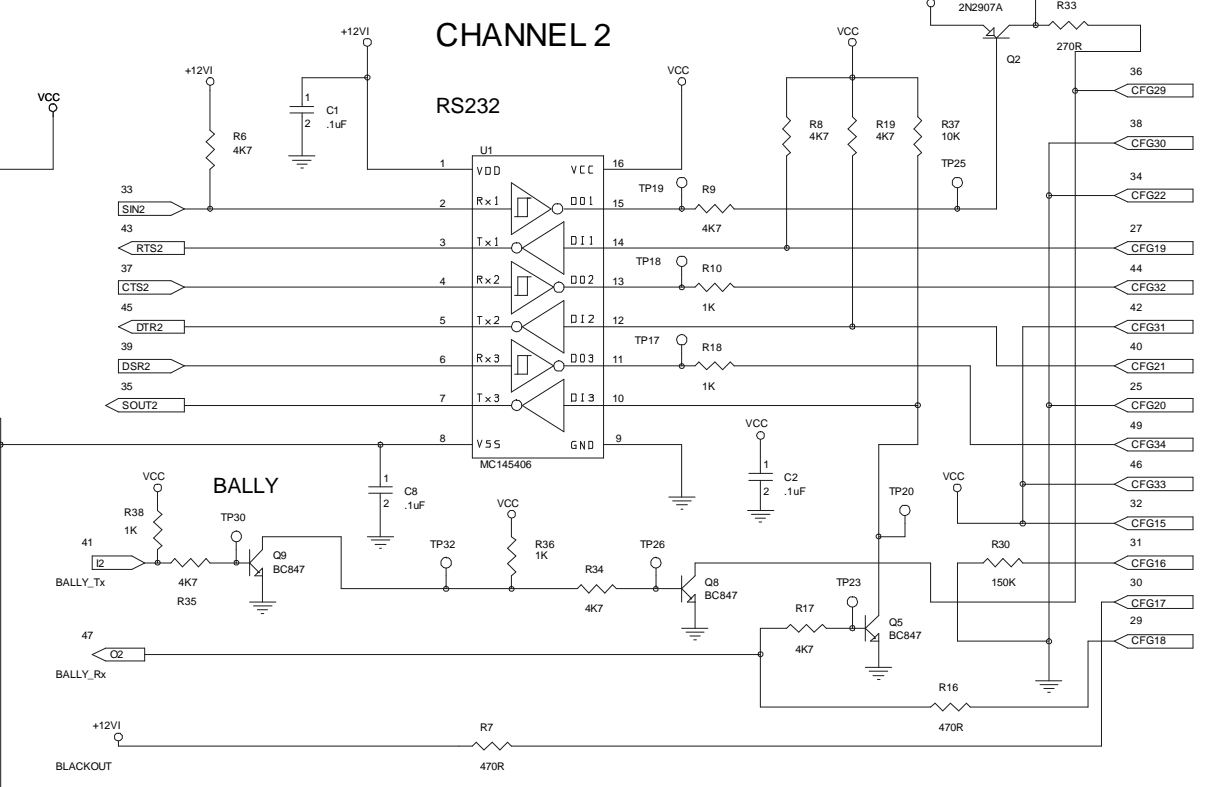
DRAWING REFERENCE

CD - 410355

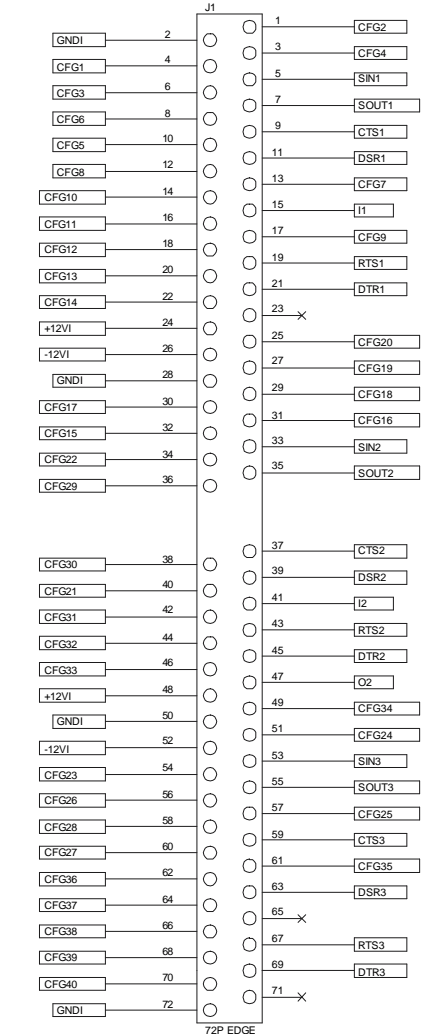
DRAWING ISSUE		B	
PART NUMBER		ISS	REV
25	01	410355	A 1



CHANNEL 1
BILL ACCEPTOR



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

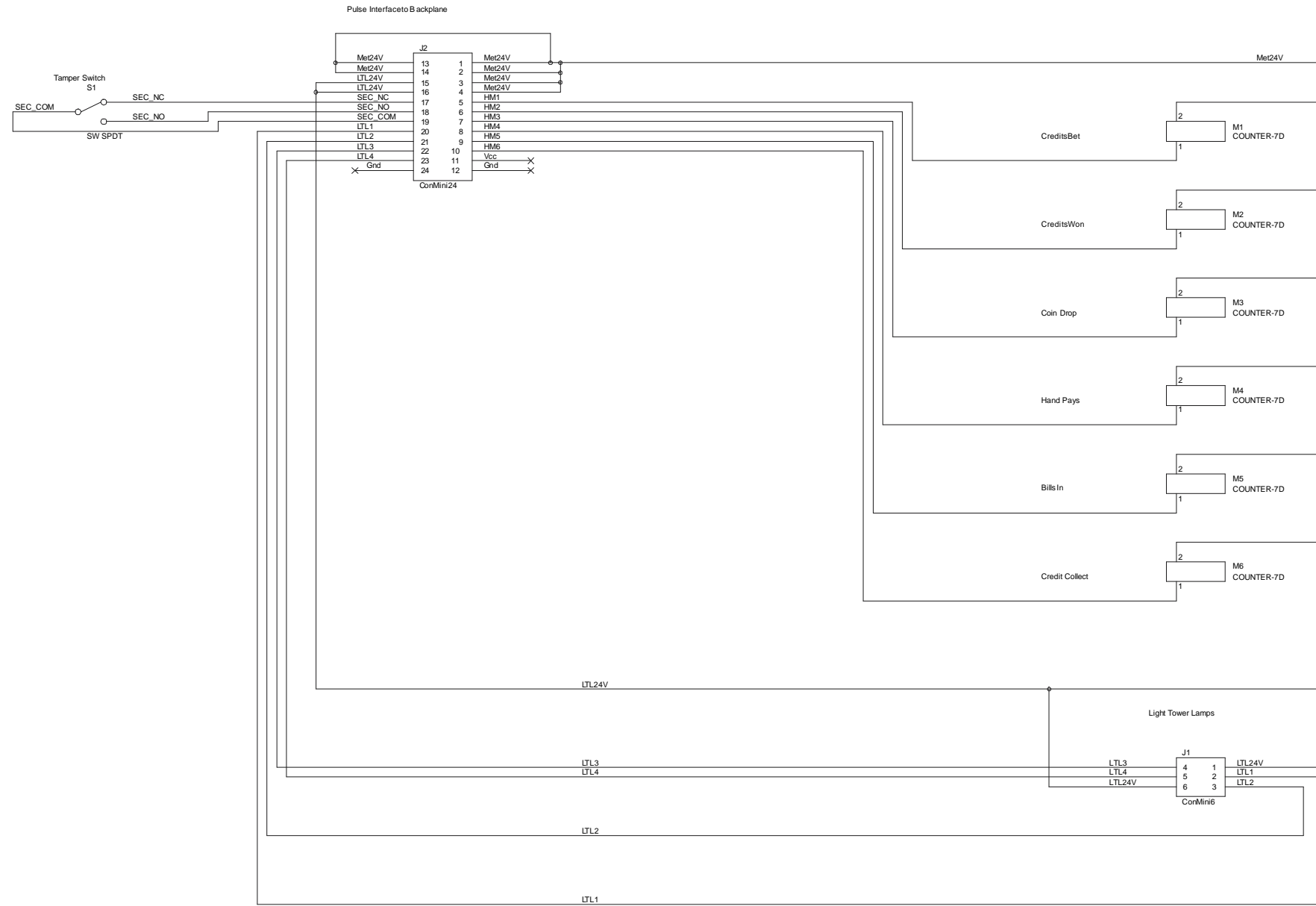


Edge connector for 72 pin SIMM socket.
Polarization key must be located on left side from the components' view.
Pin 1 starts from the polarization key.

DO NOT MANUALLY MODIFY "IF IN DOUBT"ASK

COPY DISTRIBUTION				SHEET 1 OF 1	
QA	QTY: 1	PRODATE	QTY: 1	ATS	QTY: 1
TEST ENG	QTY: 1	LIBRARY	QTY: 1	DRAWING SIZE	A2
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JOB	MKV PROJECT			DRAWING ISSUE	
ASSY	COMMS CONFIGURATION BOARD			PART NUMBER	ISS REV
PART	BACC/BALLY-RS232/232			25 01	410291 A N/A

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:	0	PRODATE	QTY:	1	ATS	QTY:	1
TESTENG	QTY:	1	LIBRARY	QTY:	1	DRAWINGSIZE	A2	

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JOB		540 MKV USA				DRAWING ISSUE		A			
ASSY		PULSE MECHANICAL METERS BOARD				PART NUMBER		ISS	REV		
PART		SCHEMATIC DIAGRAM				25	01	410361	A	N/A	
A	INTRODUCTION	3049	5891	JR	JR	GE	18.10.96				
ISS	DETAILS OF CHANGE	FR QJ#	ECOW	DRN	CHK	APP	DATE				