

# Volume II

## Diagrams and Reference Listings

Item	Qty.	Assembly / Drawing No.
<p><a href="#">Reference Listings</a></p> <p><a href="#">I/O to Components and I/Cs List</a></p> <ul style="list-style-type: none"> <li>Backplane Board (410351)</li> <li>Extended USA I/O Driver Board (410355)</li> <li>Communications Configuration Board (410291)</li> <li>Mechanical Meters Board (572391)</li> </ul> <p><a href="#">Main Board Component Name and Functions List</a></p>		
<p><a href="#">Component Location</a></p> <ul style="list-style-type: none"> <li>Main Board</li> </ul>	1	410557
<p><a href="#">Circuit Diagrams</a></p> <ul style="list-style-type: none"> <li>Main Board</li> <li>Backplane</li> <li>Extended USA I/O Driver Board</li> <li>Communications Configuration Board 410165</li> <li>Mechanical Meters Board</li> <li>50W Audio Amplifier</li> </ul>	<p>44</p> <p>9</p> <p>8</p> <p>1</p> <p>1</p>	<p>2501-410557</p> <p>2501-410351 A1</p> <p>2501-410355 A1</p> <p>2501-410165-C1</p> <p>2501-572391 A1</p> <p>2501-410539</p>



# 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 ;  
 NERESSET = 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 ;	ED0 = JP21/A30 J2/B21 ;	BACCLIT7 = J3/A20 P10/7 ;
CCSEN = JP22/A4 P14/10 ;	ED1 = JP21/B30 J2/A21 ;	BACCLIT8 = J3/B16 P10/8 ;
CC_CRED = JP22/C5 P14/7 ;	ED2 = JP21/C30 J2/B20 ;	AL4 = J3/A21 P14/21 ;
CCERROR = JP22/A5 P14/19 ;	ED3 = JP21/A29 J2/A20 ;	AL5 = J3/A22 P14/22 ;
SOLOPT = JP22/C6 P14/15 ;	ED4 = JP21/C29 J2/B19 ;	VCC = J3/C1 J3/C6 J3/C15 J2/A2
232TXD6 = J3/B7 P8/12 ;	ED5 = JP21/A28 J2/A19 ;	J2/B2 J2/A22 J2/B22 ;
HOPON = JP22/C1 P7/4 ;	ED6 = JP21/B28 J2/B18 ;	24V = JP21/B31 JP21/C32 JP21/A32
232DTR6 = J3/B4 P8/22 ;	ED7 = JP21/C28 J2/A18 ;	J1/A32
HOPTEST = JP22/A1 P7/12 ;	PBS1 = J1/A2 P11/24 ;	J1/B32 JP22/C13 C3/1 C1/1
232RTS6 = J3/B8 P8/10 ;	PBS2 = J1/B2 P11/23 ;	C2/1 P16/2 P17/11 P17/10
HOPDIR = JP22/A29 P7/13 ;	PBS3 = J1/A3 P11/22 ;	P17/12 P13/13 P15/5 P15/6
232RXD6 = J3/A8 P8/11 ;	PBS4 = J1/B3 P11/21 ;	P15/11 P15/12 P14/1 P14/13
SOLDIV = JP22/B2 P14/9 ;	PBS5 = J1/A4 P11/20 ;	P14/3 P7/11 P7/17 P10/10
232DSR6 = J3/A5 P8/23 ;	PBS6 = J1/B4 P11/19 ;	P12/13 P11/1 P11/13 P2/1
CCINH = JP22/A28 P14/6 ;	PBS7 = J1/A5 P11/18 ;	P2/13 P2/14 P2/2 P2/15
232CTS6 = J3/A9 P8/9 ;	PBS8 = J1/B5 P11/17 ;	P2/3 P2/16 P2/4 J2/A9
JPBELL = JP22/C2 P13/4 ;	PBS9 = J1/A6 P11/16 ;	J2/B9 J2/A16 J2/B16 ;
232DCD6 = J3/B9 P8/8 ;	PBS10 = J1/B6 P11/15 ;	GND = JP22/B1 JP22/B3 JP22/B5
SPEAKER = JP22/A12 P5/1 ;	PBS11 = J1/A7 P12/22 ;	JP22/B7
232TXD7 = J3/B10 P8/6 ;	PBS12 = J1/B7 P12/21 ;	JP22/A9 JP22/B12 JP22/B19
SPEAKER2 = JP22/A13 P5/3 ;	PBS13 = J1/A8 P12/20 ;	JP22/B21
232DTR7 = J3/B1 P8/16 ;	PBS14 = J1/B8 P12/19 ;	JP22/B23 JP22/B25 JP22/B27
SPKRGND = JP22/B13 P5/4 P5/2 ;	SPARESW1 = J1/A9 P12/18 ;	JP22/B29
232RTS7 = J3/B11 P8/4 ;	SPARESW2 = J1/B9 P12/17 ;	JP22/B31 JP21/B1 JP21/B3 JP21/B5
232RXD7 = J3/A11 P8/5 ;	PBL1 = J1/A10 P11/2 ;	JP21/B7 JP21/B9 JP21/B11
RS232TX = JP22/A7 P4/14 ;	PBL2 = J1/B10 P11/4 ;	JP21/B13
232DSR7 = J3/A2 P8/17 ;	PBL3 = J1/A11 P11/5 ;	JP21/B15 JP21/B17 JP21/B19
RS232RX = JP22/A8 P4/7 ;	PBL4 = J1/B11 P11/6 ;	JP21/B21
232CTS7 = J3/A12 P8/3 ;	PBL5 = J1/A12 P11/7 ;	JP21/B23 JP21/B25 JP21/B27
KOUT = JP22/B18 P1/2 ;	PBL6 = J1/B12 P11/8 ;	JP21/B29
232DCD7 = J3/B12 P8/2 ;	PBL7 = J1/A13 P11/9 ;	JP21/C31 JP21/A31 JP21/B32
KIN = JP22/C18 P1/1 ;	PBL8 = J1/B13 P11/10 ;	J1/A1
NPFail = JP22/C26 P17/14 ;	PBL9 = J1/A14 P11/11 ;	J1/B1 J1/A23 J1/B23 J3/C2
SEC_NC = J3/A28 P2/17 ;	PBL10 = J1/B14 P11/12 ;	J3/C7 J3/C8 J3/C16 C1/2
SEC_NO = J3/B28 P2/18 ;	PBL11 = J1/A15 P12/15 ;	CHASSIS_GND/1 C3/2 C2/2 P16/3
RED = JP22/B9 P4/4 ;	PBL12 = J1/B15 P12/16 ;	P17/3 P17/4 P17/5 P17/7
SEC_COM = J3/A29 P2/19 ;	PBL13 = J1/A16 P12/1 ;	C8/2 C7/2 P19/1 P13/10
GREEN = JP22/C10 P4/12 ;	PBL14 = J1/B16 P12/14 ;	P13/11 P13/21 P13/22 P13/23
BLUE = JP22/A10 P4/6 ;	DRVSP1 = J1/A17 P12/3 ;	P14/11 P14/12 P14/23 P14/24
VSYNC = JP22/B11 P4/9 ;	DRVSP2 = J1/B17 P12/2 ;	P15/3 P15/4 P15/9 P15/10
DDOR_NC = J3/A24 P9/12 ;	HM1 = J1/A24 P2/5 ;	P7/14 P7/20 P7/7 P10/14
HSYNC = JP22/C12 P4/1 ;	HM2 = J1/B24 P2/6 ;	P12/10 P2/12 P2/24 P6/6
DDOR_NO = J3/B24 P9/10 ;	HM3 = J1/A25 P2/7 ;	P4/13 P3/4 P1/3 P5/8
DDOR_COM = J3/A25 P9/9 ;	HM4 = J1/B25 P2/8 ;	P5/9 P6/9 J2/B1 J2/B8
GNDBLUE = JP22/A11 JP22/C9	HM5 = J1/A26 P2/9 ;	J2/A17 J2/B17 J2/A23 J2/B23 ;
JP22/C11 JP22/B10	HM6 = J1/B26 P2/10 ;	N12V1 = JP20/B1 JP20/B5 JP20/B9
P4/11 P4/8 P4/3 P4/5 ;	SPAREIO0 = J1/A18 P12/5 ;	J3/C18 ;
GDOR_NC = J3/A26 P9/8 ;	SPAREIO1 = J1/B18 P12/4 ;	P12V1 = JP20/B3 JP20/B7 JP20/B11
GDOR_NO = J3/B26 P9/7 ;	SPAREIO2 = J1/A19 P12/7 ;	J3/B3
DIGRED = JP22/C19 P6/7 ;	SPAREIO3 = J1/B19 P12/6 ;	J3/B6 J3/C12 J3/C17 P23/12
GDOR_COM = J3/A27 P9/1 ;	SPAREIO4 = J1/A20 P12/9 ;	P8/13 P8/19 ;
DIGGREEN = JP22/A19 P6/1 ;	SPAREIO5 = J1/B20 P12/8 ;	GNDISOL = JP20/B2 JP20/B6 JP20/B10
DIGBLUE = JP22/C20 P6/8 ;	LTL1 = J1/A27 P2/20 ;	J3/A7
DIGCSYNC = JP22/A18 P6/3 ;	LTL2 = J1/B27 P2/21 ;	J3/A10 P23/24 P13/18 P7/10
EA2 = JP21/C26 J2/B15 ;	LTL3 = J1/A28 P2/22 ;	P8/1 P8/7 ;
EA3 = JP21/A25 J2/A15 ;	LTL4 = J1/B28 P2/23 ;	L12VDC = JP22/A24 J3/C26 ;
EA4 = JP21/C25 J2/B14 ;	AL1 = J1/A29 P14/18 ;	L5VDC = JP22/B14 JP22/A15 J3/C27
EA5 = JP21/A24 J2/A14 ;	AL2 = J1/B29 P14/17 ;	J3/C28 ;
EA6 = JP21/B24 J2/B13 ;	AL3 = J1/A30 P14/16 ;	LGND = JP22/C14 JP22/A14 JP22/B15
EA7 = JP21/C24 J2/A13 ;	BACCLIT1 = J3/A17 P10/1 ;	JP22/C16
EA8 = JP21/A23 J2/B12 ;	BACCLIT2 = J3/B17 P10/2 ;	JP22/A16 JP22/B17 J3/C29 J3/C30
EA9 = JP21/C23 J2/A12 ;	BACCLIT3 = J3/A18 P10/3 ;	J3/C31 J3/C32 ;
EA10 = JP21/A22 J2/B11 ;	BACCLIT4 = J3/B18 P10/4 ;	
EA11 = JP21/B22 J2/A11 ;	BACCLIT5 = J3/A19 P10/5 ;	
EA12 = JP21/C22 J2/B10 ;	BACCLIT6 = J3/B19 P10/6 ;	



# 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

1000UF = C104; % 1000UF  
100K = RN3, % 100K

- RN4, % 100K
- R100, % 100K
- R101, % 100K
- R131, % 100K
- R132, % 100K
- R175, % 100K
- R176, % 100K
- R177, % 100K
- R178, % 100K
- R179, % 100K
- R181, % 100K
- R182, % 100K
- R183, % 100K
- R191; % 100K

100PF = C4, % 100PF

- C5, % 100PF
- C8, % 100PF
- C9, % 100PF
- C10, % 100PF
- C11, % 100PF
- C12, % 100PF
- C13, % 100PF



	C14, % 100PF		R44, % 1K		R26, % 220K
	C15, % 100PF		R45, % 1K		R27, % 220K
	C16, % 100PF		R46, % 1K		R30; % 220K
	C17, % 100PF		R47, % 1K	220UF	= C47, % 220UF
	C18, % 100PF		R48, % 1K		C136; % 220UF
	C19, % 100PF		R67, % 1K	220UH	= L1; % 220UH
	C20, % 100PF		R68, % 1K	270R	= RN1, % 270R
	C21, % 100PF		R69, % 1K		RN2; % 270R
	C22, % 100PF		R70, % 1K	2K4	= R15, % 2K4
	C23, % 100PF		R71, % 1K		R16, % 2K4
	C35, % 100PF		R78, % 1K		R17, % 2K4
	C39, % 100PF		R83, % 1K		R41, % 2K4
	C40, % 100PF		R84, % 1K		R42, % 2K4
	C41, % 100PF		R88, % 1K		R43, % 2K4
	C42, % 100PF		R91, % 1K		R49, % 2K4
	C43, % 100PF		R94, % 1K		R50, % 2K4
	C44, % 100PF		R95, % 1K		R51, % 2K4
	C45, % 100PF		R112, % 1K		R54, % 2K4
	C50, % 100PF		R122, % 1K		R55, % 2K4
	C51, % 100PF		R123, % 1K		R64, % 2K4
	C57, % 100PF		R128, % 1K		R65, % 2K4
	C58; % 100PF		R129, % 1K		R66, % 2K4
100R	= R19, % 100R		R135, % 1K		R72, % 2K4
	R24, % 100R		R136, % 1K		R73, % 2K4
	R25, % 100R		R137, % 1K		R74, % 2K4
	R29, % 100R		R138, % 1K		R81, % 2K4
	R31, % 100R		R139, % 1K		R82, % 2K4
	R32, % 100R		R140, % 1K		R86, % 2K4
	R76, % 100R		R141, % 1K		R87, % 2K4
	R77, % 100R		R148, % 1K		R89, % 2K4
	R85, % 100R		R149, % 1K		R90, % 2K4
	R117, % 100R		R156, % 1K		R108, % 2K4
	R180, % 100R		R157, % 1K		R109, % 2K4
	R184, % 100R		R158, % 1K		R118, % 2K4
	R190; % 100R		R159, % 1K		R119, % 2K4
100UF	= C46, % 100UF		R160, % 1K		R133, % 2K4
	C88, % 100UF		R163, % 1K		R134, % 2K4
	C135; % 100UF		R164, % 1K		R154, % 2K4
10K	= RN5, % 10K		R169, % 1K		R155; % 2K4
	R20, % 10K		R170, % 1K	39K	= R150, % 39K
	R21, % 10K		R185; % 1K		R151, % 39K
	R22, % 10K	1K/ .5W	= R33, % 1K/ .5W		R152, % 39K
	R23, % 10K		R34, % 1K/ .5W		R153, % 39K
	R28, % 10K		R35, % 1K/ .5W		R161, % 39K
	R146, % 10K		R36, % 1K/ .5W		R162; % 39K
	R147; % 10K		R37, % 1K/ .5W	3K	= R130; % 3K
10UF	= C38, % 10UF		R38, % 1K/ .5W	41612A	= J3; % 41612A
	C54, % 10UF		R39, % 1K/ .5W	470R	= R75, % 470R
	C65; % 10UF		R40, % 1K/ .5W		R92, % 470R
150R	= R116; % 150R		R56, % 1K/ .5W		R93, % 470R
16C452	= U5, % 16C452		R57, % 1K/ .5W		R97, % 470R
	U14; % 16C452		R58, % 1K/ .5W		R99, % 470R
1K	= R1, % 1K		R59, % 1K/ .5W		R110, % 470R
	R2, % 1K		R60, % 1K/ .5W		R111, % 470R
	R3, % 1K		R61, % 1K/ .5W		R120, % 470R
	R4, % 1K		R62, % 1K/ .5W		R121, % 470R
	R5, % 1K		R63; % 1K/ .5W		R125, % 470R
	R6, % 1K	1N4004	= D1, % 1N4004		R127, % 470R
	R7, % 1K		D2; % 1N4004		R143, % 470R
	R8, % 1K	1N5819	= D3, % 1N5819		R145, % 470R
	R9, % 1K		D4; % 1N5819		R166, % 470R
	R10, % 1K	1R	= R114, % 1R		R168, % 470R
	R11, % 1K		R115; % 1R		R174, % 470R
	R12, % 1K	20V8	= U31, % 20V8		R187, % 470R
	R13, % 1K		U32; % 20V8		R189; % 470R
	R14, % 1K	220K	= R18, % 220K	47NF	= C66, % 47NF



C67, % 47NF  
 C68, % 47NF  
 C69, % 47NF  
 C70, % 47NF  
 C71, % 47NF  
 C72, % 47NF  
 C73, % 47NF  
 C74, % 47NF  
 C75, % 47NF  
 C76, % 47NF  
 C77, % 47NF  
 C78, % 47NF  
 C79, % 47NF  
 C80, % 47NF  
 C81, % 47NF  
 47R = R52, % 47R  
 R53, % 47R  
 R79, % 47R  
 R80, % 47R  
 R113, % 47R  
 4K7 = RN6, % 4K7  
 RN7, % 4K7  
 R96, % 4K7  
 R98, % 4K7  
 R102, % 4K7  
 R103, % 4K7  
 R104, % 4K7  
 R105, % 4K7  
 R106, % 4K7  
 R107, % 4K7  
 R124, % 4K7  
 R126, % 4K7  
 R142, % 4K7  
 R144, % 4K7  
 R165, % 4K7  
 R167, % 4K7  
 R171, % 4K7  
 R172, % 4K7  
 R173, % 4K7  
 R186, % 4K7  
 R188, % 4K7  
 560PF = C94, % 560PF  
 74HC08 = U26, % 74HC08  
 74HC139 = U40, % 74HC139  
 74HC165-BAT = U9, % 74HC165-BAT  
 U10, % 74HC165-BAT  
 U18, % 74HC165-BAT  
 U19, % 74HC165-BAT  
 74HC244 = U16, % 74HC244  
 U17, % 74HC244  
 U24, % 74HC244  
 U25, % 74HC244  
 U36, % 74HC244  
 U37, % 74HC244  
 74HC273 = U7, % 74HC273  
 U22, % 74HC273  
 U38, % 74HC273  
 U39, % 74HC273  
 75LBC176 = U33, % 75LBC176  
 U34, % 75LBC176  
 7812CT = U42, % 7812CT  
 BATTERY = BT1, % BATTERY  
 BC559 = Q2, % BC559  
 Q3, % BC559  
 Q4, % BC559  
 Q5, % BC559

Q6, % BC559  
 Q7, % BC559  
 Q8, % BC559  
 Q9, % BC559  
 Q10, % BC559  
 Q11, % BC559  
 Q12, % BC559  
 Q13, % BC559  
 Q15, % BC559  
 Q16, % BC559  
 Q17, % BC559  
 Q18, % BC559  
 Q19, % BC559  
 BC639 = Q20, % BC639  
 BC640 = Q1, % BC640  
 DIN64 = J1, % DIN64  
 J2, % DIN64  
 FERRITE = F1, % FERRITE  
 LINK = LK1, % LINK  
 LK2, % LINK  
 LK3, % LINK  
 LM340T-5.0 = U2, % LM340T-5.0  
 LNK SOLD = SLK1, % LNK SOLD  
 MAX202 = U1, % MAX202  
 U8, % MAX202  
 U15, % MAX202  
 U23, % MAX202  
 U35, % MAX202  
 MAX690A = U41, % MAX690A  
 MC34063A = U13, % MC34063A  
 NMV0505SA = U6, % NMV0505SA  
 PS2501 = ISO1, % PS2501  
 ISO2, % PS2501  
 ISO3, % PS2501  
 ISO4, % PS2501  
 ISO5, % PS2501  
 ISO6, % PS2501  
 ISO7, % PS2501  
 ISO8, % PS2501  
 ISO9, % PS2501  
 ISO10, % PS2501  
 ISO11, % PS2501  
 ISO12, % PS2501  
 ISO13, % PS2501  
 ISO14, % PS2501  
 ISO15, % PS2501  
 ISO16, % PS2501  
 ISO17, % PS2501  
 ISO18, % PS2501  
 ISO19, % PS2501  
 SW DIP-8 = S1, % SW DIP-8  
 S2, % SW DIP-8  
 TPI42A = Q14, % TPI42A  
 UDN2543 = U3, % UDN2543  
 U4, % UDN2543  
 U11, % UDN2543  
 U12, % UDN2543  
 U20, % UDN2543  
 U21, % UDN2543  
 U27, % UDN2543  
 U28, % UDN2543  
 U29, % UDN2543  
 U30, % UDN2543

NETS

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



N00060 = U34/1 R173/2 ;	N00126 = C1/2 U1/3 ;	N00188 = Q15/COLLECTOR R166/2 ;
N00061 = R80/1 C51/1 R175/2 U34/6 ;	N00127 = U1/6 C7/1 ;	N00189 = U35/8 C15/1 R6/1 ;
N00062 = Q17/COLLECTOR R174/2 ;	N00128 = C6/1 U1/4 ;	N00190 = R166/1 ISO15/ANODE ;
N00063 = U34/2 U34/3 U34/4 R172/2 ;	N00129 = U1/5 C6/2 ;	N00191 = R123/2 ISO7/COLLECTOR
N00064 = R174/1 ISO19/ANODE ;	N00130 = U1/14 C44/1 R70/1 ;	U15/11 ;
N00065 = R53/1 C58/1 R176/1 U34/7 ;	N00131 = R78/2 U5/5 U5/8 U5/6 ;	N00192 = C93/2 U15/2 ;
DIPSW1 = U36/1 U36/19 U32/18 ;	N00132 = R83/2 U5/28 U5/31 U5/29	N00193 = R122/2 ISO8/COLLECTOR
DIPSW2 = U37/1 U37/19 U32/19 ;	U5/30 U5/68 ;	U15/10 ;
INT = U32/8 U31/19 ;	N00133 = U1/11 U5/12 ;	N00194 = C91/1 U15/1 ;
INT_CS = U24/19 U32/22 ;	N00134 = U1/7 C9/1 R48/1 ;	N00195 = C91/2 U15/3 ;
N00070 = U32/13 R184/1 ;	N00135 = U1/10 U5/10 ;	N00196 = U15/6 C98/1 ;
N00071 = RN6/9 U36/11 S1/5 ;	RXB = U5/62 U1/12 ;	N00197 = C97/1 U15/4 ;
N00072 = RN6/8 U36/13 S1/6 ;	CTSB = U5/13 U1/9 ;	N00198 = R141/2 ISO6/COLLECTOR
N00073 = RN6/7 U36/8 S1/4 ;	N00138 = U1/13 C35/1 R71/1 ;	U23/11 ;
N00074 = RN6/6 U36/15 S1/7 ;	N00139 = U5/26 R188/2 ;	N00199 = U15/5 C97/2 ;
N00075 = RN6/5 U36/6 S1/3 ;	N00140 = R188/1 Q19/BASE ;	N00200 = U15/14 C21/1 R12/1 ;
N00076 = RN6/4 U36/17 S1/8 ;	N00141 = U1/8 C45/1 R47/1 ;	N00201 = U15/7 C11/1 R2/1 ;
N00077 = RN6/3 U36/4 S1/2 ;	N00142 = Q19/COLLECTOR R189/2 ;	N00202 = Q10/BASE R124/1 ;
N00078 = RN6/2 U36/2 S1/1 ;	RW_PP = U5/1 U5/11 ;	N00203 = R124/2 U15/12 ;
RDPI_CS = U25/19 U25/1 U40/6 ;	N00144 = U5/48 C43/1 R46/1 ;	N00204 = C109/2 U23/2 ;
RD_EN = U31/15 U40/1 ;	N00145 = U5/49 C42/1 R69/1 ;	N00205 = U15/9 R126/2 ;
LDSEC_CS = U24/1 U40/7 ;	N00146 = U5/50 C41/1 R45/1 ;	N00206 = U15/13 C23/1 R14/1 ;
N00082 = RN7/9 U37/11 S2/5 ;	N00147 = U5/51 R68/1 C40/1 ;	N00207 = Q10/COLLECTOR R125/2 ;
N00083 = RN7/8 U37/8 S2/4 ;	N00148 = U5/52 C8/1 R44/1 ;	N00208 = C107/1 U23/1 ;
N00084 = RN7/7 U37/13 S2/6 ;	N00149 = U5/53 C39/1 R67/1 ;	N00209 = U15/8 C12/1 R3/1 ;
N00085 = RN7/6 U37/6 S2/3 ;	N00150 = U5/43 R88/1 ;	N00210 = C107/2 U23/3 ;
N00086 = RN7/5 U37/15 S2/7 ;	N00151 = U5/65 U5/67 U5/66 R85/1 ;	N00211 = U23/6 C112/1 ;
N00087 = RN7/4 U37/4 S2/2 ;	N00152 = R95/2 ISO3/COLLECTOR	N00212 = R125/1 ISO12/ANODE ;
N00088 = RN7/3 U37/17 S2/8 ;	U8/11 ;	N00213 = C111/1 U23/4 ;
N00089 = RN7/2 U37/2 S2/1 ;	N00153 = C62/2 U8/2 ;	N00214 = U23/5 C111/2 ;
WR_EN = U31/22 U40/15 ;	N00154 = R94/2 ISO4/COLLECTOR	N00215 = U23/14 C20/1 R11/1 ;
N00091 = U31/13 R180/1 ;	U8/10 ;	N00216 = Q11/BASE R126/1 ;
N00092 = R146/2 R31/2 C33/1 U25/2 ;	N00155 = C60/1 U8/1 ;	N00217 = Q11/COLLECTOR R127/2 ;
N00093 = R147/2 R32/2 C34/1 U25/4 ;	N00156 = C60/2 U8/3 ;	N00218 = U23/10 R140/1 ;
N00094 = U38/2 U27/16 ;	N00157 = U8/6 C85/1 ;	N00219 = Q12/BASE R142/1 ;
N00095 = R153/2 RN5/2 U26/1 ;	N00158 = C84/1 U8/4 ;	N00220 = R142/2 U23/12 ;
N00096 = U38/5 U27/15 ;	N00159 = R164/2 ISO5/COLLECTOR	N00221 = R127/1 ISO11/ANODE ;
N00097 = U26/3 U26/4 ;	U35/11 ;	N00222 = U23/9 R144/2 ;
N00098 = U38/6 U27/10 ;	N00160 = U8/5 C84/2 ;	N00223 = U23/13 C22/1 R13/1 ;
N00099 = R152/2 RN5/3 U26/2 ;	N00161 = U8/14 C17/1 R8/1 ;	N00224 = Q12/COLLECTOR R143/2 ;
N00100 = U38/9 U27/9 ;	N00162 = U8/7 C13/1 R4/1 ;	N00225 = U23/8 C10/1 R1/1 ;
N00101 = R161/2 RN5/6 U26/5 ;	N00163 = Q2/BASE R96/1 ;	N00226 = Q13/BASE R144/1 ;
N00102 = U38/12 U28/16 ;	N00164 = R96/2 U8/12 ;	N00227 = R143/1 ISO14/ANODE ;
N00103 = U38/15 U28/15 ;	N00165 = U8/9 R98/2 ;	N00228 = Q13/COLLECTOR R145/2 ;
N00104 = U38/16 U28/10 ;	N00166 = U8/13 C18/1 R9/1 ;	N00229 = R145/1 ISO13/ANODE ;
N00105 = R162/2 LK1/2 RN5/7 U26/9 ;	N00167 = Q2/COLLECTOR R97/2 ;	N00230 = R102/1 U14/24 ;
N00106 = U38/19 U28/9 ;	N00168 = Q3/BASE R98/1 ;	N00231 = R102/2 Q5/BASE ;
N00107 = RN5/4 R151/2 LK3/2 U26/13 ;	N00169 = U8/8 C14/1 R5/1 ;	N00232 = Q5/COLLECTOR R93/1 ;
N00108 = RN5/5 R150/2 LK2/2 U26/10 ;	N00170 = Q3/COLLECTOR R99/2 ;	N00233 = R104/1 U14/25 ;
N00109 = R158/1 LK1/1 ;	N00171 = R97/1 ISO10/ANODE ;	N00234 = R104/2 Q4/BASE ;
N00110 = U26/8 U26/12 ;	N00172 = C119/2 U35/2 ;	N00235 = Q4/COLLECTOR R92/1 ;
N00111 = R159/1 LK2/1 ;	N00173 = C117/1 U35/1 ;	N00236 = R103/1 U14/26 ;
N00112 = R160/1 LK3/1 ;	N00174 = R99/1 ISO9/ANODE ;	N00237 = R103/2 Q6/BASE ;
N00113 = U39/2 U29/16 ;	N00175 = C117/2 U35/3 ;	N00238 = Q6/COLLECTOR R111/1 ;
N00114 = U39/5 U29/15 ;	N00176 = U35/6 C127/1 ;	N00239 = R137/2 U14/30 U14/6 U14/63
N00115 = U39/6 U29/10 ;	N00177 = C126/1 U35/4 ;	U14/68 ;
N00116 = U39/9 U29/9 ;	N00178 = U35/5 C126/2 ;	N00240 = R105/1 U14/12 ;
N00117 = U39/12 U30/16 ;	N00179 = U35/14 C16/1 R7/1 ;	N00241 = R105/2 Q9/BASE ;
N00118 = U39/15 U30/15 ;	N00180 = Q16/BASE R167/1 ;	N00242 = Q9/COLLECTOR R121/1 ;
N00119 = U39/16 U30/10 ;	N00181 = R167/2 U35/12 ;	N00243 = R84/2 U3/14 U4/14 ;
N00120 = U39/19 U30/9 ;	N00182 = Q16/COLLECTOR R168/2 ;	N00244 = R106/1 U14/11 ;
N00121 = R186/2 U5/25 ;	N00183 = U35/10 R163/1 ;	N00245 = R106/2 Q8/BASE ;
N00122 = R186/1 Q18/BASE ;	N00184 = R168/1 ISO16/ANODE ;	N00246 = Q8/COLLECTOR R120/1 ;
N00123 = C3/2 U1/2 ;	N00185 = Q15/BASE R165/1 ;	N00247 = R107/1 U14/10 ;
N00124 = Q18/COLLECTOR R187/2 ;	N00186 = R165/2 U35/9 ;	N00248 = R107/2 Q7/BASE ;
N00125 = C1/1 U1/1 ;	N00187 = U35/13 C19/1 R10/1 ;	N00249 = Q7/COLLECTOR R110/1 ;



N00250 = U3/16 U14/46 ;	U19/2 ;	PBS7 = J1/A5 R59/1 ;
N00251 = U3/15 U14/47 ;	N00307 = U31/21 U5/63 ;	PBS8 = J1/B5 R36/1 ;
N00252 = U14/48 U3/10 ;	N00308 = U40/10 U38/11 ;	PBS9 = J1/A6 R60/1 ;
N00253 = U14/49 U3/9 ;	N00309 = U40/9 U39/11 ;	PBS10 = J1/B6 R37/1 ;
N00254 = U14/50 U4/16 ;	N00310 = U24/18 U19/10 ;	PBS11 = J1/A7 R61/1 ;
N00255 = U14/51 U4/15 ;	N00311 = U24/16 U9/10 ;	PBS12 = J1/B7 R38/1 ;
N00256 = U14/52 U4/10 ;	N00312 = U24/14 U10/10 ;	PBS13 = J1/A8 R62/1 ;
N00257 = U14/53 U4/9 ;	N00313 = U24/12 U18/10 ;	PBS14 = J1/B8 R39/1 ;
N00258 = U14/43 R129/1 ;	N00314 = ISO3/ANODE R93/2 ;	SPARESW1 = J1/A9 R63/1 ;
N00259 = U14/65 U14/67 U14/66 U14/1 R117/1 ;	N00315 = ISO4/ANODE R92/2 ;	SPARESW2 = J1/B9 R40/1 ;
N00260 = U19/9 R132/1 ;	N00316 = ISO5/ANODE R111/2 ;	PBL1 = J1/A10 U11/1 R41/1 ;
N00261 = Q14/EMITTER R116/1 U13/7 R115/1 R114/1 ;	N00317 = R135/2 ISO10/COLLECTOR U14/28 ;	PBL2 = J1/B10 U11/3 R89/1 ;
N00262 = Q14/COLLECTOR D4/CATHODE L1/1 ;	N00318 = R136/2 ISO9/COLLECTOR U14/31 ;	PBL3 = J1/A11 U11/6 R64/1 ;
N00263 = L1/2 U13/1 D3/ANODE ;	N00319 = R157/2 ISO16/COLLECTOR U14/29 ;	PBL4 = J1/B11 U11/8 R108/1 ;
N00264 = Q14/BASE R116/2 R113/1 ;	N00320 = R156/2 ISO15/COLLECTOR U14/41 ;	PBL5 = J1/A12 U12/1 R42/1 ;
INH = U18/15 R191/2	N00321 = ISO7/ANODE R121/2 ;	PBL6 = J1/B12 U12/3 R90/1 ;
Q20/COLLECTOR U10/15 U9/15 U19/15 ;	N00322 = ISO8/ANODE R120/2 ;	PBL7 = J1/A13 U12/6 R65/1 ;
N00266 = R29/2 C32/1 R30/1 U19/1 ;	N00323 = ISO6/ANODE R110/2 ;	PBL8 = J1/B13 U12/8 R109/1 ;
N00267 = R113/2 U13/8 ;	N00324 = R138/2 ISO12/COLLECTOR U14/13 ;	PBL9 = J1/A14 U20/1 R118/1 ;
N00268 = F1/4 C56/1 C55/1 R115/2 R114/2 U13/6 C88/1 ;	N00325 = R139/2 ISO11/COLLECTOR U14/5 ;	PBL10 = J1/B14 U20/3 R43/1 ;
N00269 = U13/3 C94/1 ;	N00326 = R148/2 ISO14/COLLECTOR U14/8 ;	PBL11 = J1/A15 U20/6 R66/1 ;
N00270 = U13/5 R112/1 R130/1 ;	N00327 = R149/2 ISO13/COLLECTOR U14/62 ;	PBL12 = J1/B15 U20/8 R133/1 ;
N00271 = U9/9 R100/1 ;	SPRTS = J1/A21 R70/2 ;	PBL13 = J1/A16 U21/1 R119/1 ;
N00272 = R24/2 C29/1 R27/1 U9/1 ;	SPCTS = J1/B21 R47/2 ;	PBL14 = J1/B16 U21/3 R134/1 ;
N00273 = U10/9 R101/1 ;	SPRXD = J1/A22 R71/2 ;	DRVSP1 = J1/A17 U21/6 ;
N00274 = R25/2 C30/1 R26/1 U10/1 ;	SPTXD = J1/B22 R48/2 ;	DRVSP2 = J1/B17 U21/8 ;
N00275 = U41/8 BT1/+ ;	HOPCOIN = J1/B30 R31/1 ;	SPAREIO0 = J1/A18 R67/2 ;
N00276 = U41/7 Q20/BASE ;	HOPHIGH = J1/A31 R32/1 ;	SPAREIO1 = J1/B18 R44/2 ;
N00277 = U41/4 R190/1 ;	DOPTIN = J1/B31 C31/1 R28/2 U25/6 ;	SPAREIO2 = J1/A19 R68/2 ;
N00278 = U18/9 R131/1 ;	EMIKP2 = J2/A26 ISO1/COLLECTOR D1/CATHODE ;	SPAREIO3 = J1/B19 R45/2 ;
N00279 = R19/2 C24/1 R18/1 U18/1 ;	EMIKN2 = J2/B26 ISO1/EMITTER D1/ANODE ;	SPAREIO4 = J1/A20 R69/2 ;
INTP = U31/10 U5/59 R177/1 ;	TXDA+ = J2/A31 R79/1 ;	SPAREIO5 = J1/B20 R46/2 ;
INTB = U24/13 U31/9 SLK1/2 R179/1 ;	TXDA- = J2/B31 R52/1 ;	HM1 = J1/A24 U27/1 R153/1 ;
INTA = U24/11 U31/8 R178/1 U5/45 ;	RXDA+ = J2/A32 R80/2 ;	HM2 = J1/B24 U27/3 R152/1 ;
INT2A = U24/15 U32/9 U14/45 R182/1 ;	RXDA- = J2/B32 R53/2 ;	HM3 = J1/A25 U27/6 R161/1 ;
INT2B = U24/17 U32/10 U14/60 R183/1 ;	EMIKP1 = J2/A30 ISO2/COLLECTOR D2/CATHODE ;	HM4 = J1/B25 U27/8 R162/1 ;
INT2P = U32/11 U14/59 R181/1 ;	EMIKN1 = J2/B30 ISO2/EMITTER D2/ANODE ;	HM5 = J1/A26 U28/1 R150/1 ;
MSEC1 = U31/6 U26/6 ;	LDOR_COM = J2/B3 R29/1 ;	HM6 = J1/B26 U28/3 R151/1 ;
MSEC2 = U31/7 U26/11 ;	LDOR_NO = J2/A4 R23/1 ;	LTL1 = J1/A27 U29/1 R49/1 ;
SIO2A_CS = U32/15 U14/32 ;	NEIL0 = J2/A5 U32/20 ;	LTL2 = J1/B27 U29/3 R72/1 ;
SIO2B_CS = U32/16 U14/3 ;	NDACK = J2/B5 U32/14 U31/23 ;	LTL3 = J1/A28 U29/6 R50/1 ;
PARP_CS = U32/17 U14/38 ;	IRQDMON = J2/A6 U5/60 SLK1/1 ;	LTL4 = J1/B28 U29/8 R155/1 ;
SECR0 = U25/8 R132/2 ;	NEIOR = J2/B6 U32/23 U31/11 U5/37 U14/37 ;	AL1 = J1/A29 U30/1 R73/1 ;
SECR1 = U25/11 R100/2 ;	NEIOW = J2/A7 U31/14 U5/36 U14/36 ;	AL2 = J1/B29 U30/3 R74/1 ;
SECR2 = U25/13 R101/2 ;	NERESET = J2/B7 U7/1 U22/1 U39/1 U38/1 U5/39 U14/39 ;	AL3 = J1/A30 U30/6 R51/1 ;
SECR3 = U25/15 R131/2 ;	ECLK8M = J2/A8 U5/4 U14/4 ;	EA2 = J2/B15 U5/35 U14/35 ;
N00295 = U7/11 U40/12 ;	PBS1 = J1/A2 R56/1 ;	EA3 = J2/A15 U5/34 U14/34 ;
N00296 = U22/11 U40/11 ;	PBS2 = J1/B2 R33/1 ;	EA4 = J2/B14 U40/14 U40/2 U32/1 U5/33 U14/33 ;
N00297 = U17/1 U17/19 U40/5 ;	PBS3 = J1/A3 R57/1 ;	EA5 = J2/A14 U40/13 U40/3 U32/2 ;
N00298 = U16/1 U16/19 U40/4 ;	PBS4 = J1/B3 R34/1 ;	EA6 = J2/B13 U31/1 U32/3 ;
N00299 = R75/2 U5/24 ;	PBS5 = J1/A4 R58/1 ;	EA7 = J2/A13 U31/2 U32/4 ;
N00300 = ISO17/ANODE R187/1 ;	PBS6 = J1/B4 R35/1 ;	EA8 = J2/B12 U31/3 U32/5 ;
N00301 = ISO18/ANODE R189/1 ;		EA9 = J2/A12 U31/4 U32/6 ;
N00302 = R185/2 ISO19/COLLECTOR U5/41 ;		EA10 = J2/B11 U31/5 U32/7 ;
N00303 = U31/16 U5/32 ;		ED0 = J2/B21 U16/18 U17/3 U22/3 U7/3 U24/2 U25/9 U37/18 U36/18 U39/3 U38/3 U5/14 U14/14 ;
N00304 = U31/17 U5/3 ;		ED1 = J2/A21 U16/16 U17/5 U22/4 U7/4 U24/4 U25/7 U37/16 U36/16 U39/4 U38/4 U5/15 U14/15 ;
N00305 = U31/18 U5/38 ;		ED2 = J2/B20 U16/14 U17/7 U22/7 U7/7 U24/6 U25/5 U37/14 U36/14 U39/7 U38/7 U5/16
N00306 = U31/20 U18/2 U10/2 U9/2		





U14/16 ;  
 ED3 = J2/A20 U16/12 U17/9 U22/8  
 U7/8 U24/8 U25/3 U37/12  
 U36/12 U39/8 U38/8 U5/17  
 U14/17 ;  
 ED4 = J2/B19 U16/9 U17/12 U22/13  
 U7/13 U24/9 U25/18 U37/9  
 U36/9 U39/13 U38/13 U5/18  
 U14/18 ;  
 ED5 = J2/A19 U16/7 U17/14 U22/14  
 U7/14 U24/7 U25/16 U37/7  
 U36/7 U39/14 U38/14 U5/19  
 U14/19 ;  
 ED6 = J2/B18 U16/5 U17/16 U22/17  
 U7/17 U24/5 U25/14 U37/5  
 U36/5 U39/17 U38/17 U5/20  
 U14/20 ;  
 ED7 = J2/A18 U16/3 U17/18 U22/18  
 U7/18 U24/3 U25/12 U37/3  
 U36/3 U39/18 U38/18 U5/21  
 U14/21 ;  
 N00420 = J3/B1 R2/2 ;  
 N00421 = J3/A2 R3/2 ;  
 N00422 = J3/B4 R4/2 ;  
 N00423 = J3/A5 R5/2 ;  
 N00424 = J3/B7 R7/2 ;  
 N00425 = J3/B8 R8/2 ;  
 N00426 = J3/A8 R6/2 ;  
 N00427 = J3/B9 R10/2 ;  
 N00428 = J3/A9 R9/2 ;  
 N00429 = J3/B10 R11/2 ;  
 N00430 = J3/B11 R12/2 ;  
 N00431 = J3/A11 R1/2 ;  
 N00432 = J3/B12 R13/2 ;  
 N00433 = J3/A12 R14/2 ;  
 N00434 = J3/B16 U3/1 R54/1 ;  
 N00435 = J3/B17 U4/6 R15/1 ;  
 N00436 = J3/A17 U4/8 R87/1 ;  
 N00437 = J3/B18 U4/1 R82/1 ;  
 N00438 = J3/A18 U4/3 R81/1 ;  
 N00439 = J3/B19 U3/6 R55/1 ;  
 N00440 = J3/A19 U3/8 R86/1 ;  
 N00441 = J3/A20 U3/3 R16/1 ;  
 N00442 = J3/A21 U30/8 R17/1 ;  
 N00443 = J3/A22 U28/8 R154/1 ;  
 N00444 = J3/A24 R20/1 ;  
 N00445 = J3/A25 R19/1 ;  
 N00446 = J3/A26 R21/1 ;  
 N00447 = J3/A27 R24/1 ;  
 N00448 = J3/A28 R22/1 ;  
 N00449 = J3/A29 R25/1 ;  
 P12VI = J3/B3 J3/B6 J3/C12 J3/C17  
 C47/1 C37/1 U2/IN ;  
 GNDISOL = J3/A7 J3/A10  
 ISO3/EMITTER ISO4/EMITTER  
 ISO5/EMITTER ISO10/CATHODE  
 ISO9/CATHODE ISO16/CATHODE  
 ISO15/CATHODE ISO7/EMITTER  
 ISO8/EMITTER ISO6/EMITTER  
 ISO12/CATHODE  
 ISO11/CATHODE ISO14/CATHODE  
 ISO13/CATHODE  
 U23/15 R140/2 C22/2 C20/2  
 C10/2 C11/2 C21/2 C23/2  
 C12/2 U15/15 C112/2 C108/2  
 C98/2 C92/2 C118/2 C19/2

C16/2 C15/2 U35/15 R163/2  
 C127/2 C13/2 C17/2 C18/2  
 C14/2 U8/15 C37/2 C47/2  
 U2/COM C36/2 C46/2 C85/2  
 C61/2 ;  
 L5VDC = J3/C1 J3/C6 J3/C15 J3/C27  
 J3/C28 J2/B2 J2/A2 J2/A22  
 J2/B22 C101/1 C86/1 C87/1  
 C102/1 C110/1 C90/1 C105/1  
 C106/1 U16/20 U21/11 U17/20  
 U22/20 U20/11 U12/11 U7/20  
 U11/11 R128/1 C54/1 U6/1  
 R185/1 ISO2/ANODE  
 ISO1/ANODE C139/1  
 C130/1 C138/1 C137/1 C128/1  
 C129/1 C131/1 U24/20 U25/20  
 R28/1 R146/1 R147/1 U37/20  
 RN7/1 U31/24 U40/16 U36/20  
 RN6/1 U32/24 C140/1 C141/1  
 C122/1 C120/1 C123/1 C121/1  
 C132/1 U30/14 U30/11 U39/20  
 U29/14 U29/11 U28/14 U28/11  
 R158/2 R159/2 R160/2 U26/14  
 U38/20 U27/14 U27/11 R88/2  
 U5/23 U5/40 U5/64 Q19/EMITTER  
 R83/1 R78/1 C59/1 U1/16  
 C3/1 Q18/EMITTER C2/1 R135/1  
 R136/1 R157/1 R156/1 R138/1  
 R139/1 R148/1 R149/1 U4/11  
 R129/2 U14/23 U14/40 U14/64  
 U3/11 R84/1 C103/1 R137/1  
 Q6/EMITTER Q4/EMITTER  
 Q5/EMITTER Q7/EMITTER  
 Q9/EMITTER Q8/EMITTER C52/1  
 C53/1  
 U41/2 ;  
 LGND = J1/A1 J1/B1 J1/A23 J1/B23  
 J3/C2 J3/C7 J3/C8 J3/C16  
 J3/B24 J3/B26 J3/B28 J3/C29  
 J3/C30 J3/C31 J3/C32 J2/B1  
 J2/A3 J2/B8 J2/A17 J2/B17  
 J2/A23 J2/B23 C38/2 C101/2  
 C86/2 C87/2 C102/2 C110/2  
 C90/2 C105/2 C106/2 RN1/1  
 C72/2 C73/2 C71/2 C70/2  
 C69/2 C68/2 C67/2 C66/2  
 U16/10 U21/13 U21/12 R119/2  
 R134/2 U21/4 U21/5 RN2/1  
 C75/2 C74/2 C76/2 C77/2  
 C78/2 C79/2 C80/2 C81/2  
 U17/10 U20/13 U20/12 R118/2  
 R43/2 R66/2 R133/2 U20/4  
 U20/5 U22/10 U12/13 U12/12  
 R42/2 R90/2 R65/2 R109/2  
 U12/4 U12/5 C83/2 C82/2  
 C99/2 C100/2 U7/10 U11/13  
 U11/12 R41/2 R89/2 R64/2  
 R108/2 U11/4 U11/5 C54/2  
 U6/2 ISO19/EMITTER  
 ISO18/CATHODE ISO17/CATHODE  
 Q1/COLLECTOR C139/2 C130/2  
 C138/2  
 C137/2 C128/2 C129/2 C131/2  
 U24/10 C34/2 C33/2 C31/2  
 U25/10 R180/2 S1/16 S1/15  
 S1/14 S1/13 S1/12 S1/11

S1/10 S1/9 S2/16 S2/15  
 S2/14 S2/13 S2/12 S2/11  
 S2/10 S2/9 U37/10 U31/12  
 U36/10 U40/8 R184/2 U32/12  
 C140/2 C141/2 C122/2 C120/2  
 C123/2 C121/2 C132/2 R17/2  
 U30/13 U30/12 R73/2 R74/2  
 R51/2 U30/4 U30/5 U29/13  
 U29/12 R49/2 R72/2 R50/2  
 R155/2 U29/4 U29/5 U39/10  
 C113/2 C115/2 C116/2 C114/2  
 R154/2 U28/13 U28/12 U28/4  
 U28/5 RN5/1 U27/13 U27/12  
 U27/4 U27/5 U38/10 U26/7  
 C39/2 R177/2 U5/2 U5/7  
 U5/9 U5/22 U5/27 U5/42  
 U5/54 U5/61 R85/2 C41/2  
 C8/2 C42/2 C40/2 R179/2  
 C43/2 C9/2 C44/2 C35/2  
 C45/2 U1/15 R178/2 C7/2  
 C59/2 C2/2 ISO4/CATHODE  
 ISO3/CATHODE  
 ISO5/CATHODE ISO10/EMITTER  
 ISO9/EMITTER ISO16/EMITTER  
 ISO15/EMITTER ISO7/CATHODE  
 ISO8/CATHODE ISO6/CATHODE  
 ISO12/EMITTER ISO11/EMITTER  
 ISO14/EMITTER ISO13/EMITTER  
 U4/13 U4/12 R82/2 R81/2  
 R15/2 R87/2 U4/4 U4/5  
 U14/2 U14/7 U14/9 U14/22  
 U14/27 U14/42 U14/54 U14/61  
 R117/2 R183/2 R182/2 R181/2  
 U3/13 U3/12 R54/2 R16/2  
 R55/2 R86/2 U3/4 U3/5  
 C103/2 C52/2 C53/2 C48/2  
 C49/2 C24/2 C25/2 R18/2  
 C96/2 U18/8 U18/11 U18/12  
 U18/13 U18/14 U18/3 U18/4  
 U18/5 U18/6 R190/2  
 Q20/EMITTER  
 U41/3 BT1/- C30/2 C27/2  
 R26/2 C63/2 U10/8 U10/11  
 U10/12 U10/13 U10/14 U10/3  
 U10/4 U10/5 U10/6 C134/2  
 C136/2 U42/COM C133/2 C135/2  
 R27/2 C29/2 C64/2 C26/2  
 U9/8 U9/11 U9/12 U9/13  
 U9/14 U9/3 U9/4 U9/5  
 U9/6 C32/2 C28/2 R30/2  
 C95/2 U19/8 U19/11 U19/12  
 U19/13 U19/14 U19/3 U19/4  
 U19/5 U19/6 ;  
 P12VDC = J2/A1 U42/OUT C133/1  
 C135/1 ;  
 24V = J1/A32 J1/B32 J2/A9 J2/B9  
 J2/A16 J2/B16 C38/1 U21/2  
 U21/7 U20/2 U20/7 U12/2  
 U12/7 C83/1 C82/1 C99/1  
 C100/1 U11/2 U11/7 U30/2  
 U30/7 U29/2 U29/7 C113/1  
 C115/1 C116/1 C114/1 U28/2  
 U28/7 U27/2 U27/7 U4/2  
 U4/7 U3/2 U3/7 C48/1  
 C49/1 C134/1 C136/1 U42/IN ;  
 ISOLPWR = J2/B29 C4/1 C5/1 F1/3 ;



ISOLPGND = J2/A29 C4/2 C5/2 F1/1 ;  
 ISOL5V = U6/7 C89/1 R91/1 C65/1  
 Q17/EMITTER U34/8 R175/1  
 C125/1  
 C124/1 R170/1 R169/1 R171/2  
 U33/8 D3/CATHODE C104/1  
 R130/2 ;  
 ISOLGND = C89/2 U6/5 R91/2 C65/2  
 C58/2 C51/2 R176/2 U34/5  
 R172/1 ISO19/CATHODE C125/2  
 C124/2  
 ISO18/EMITTER U33/5 C57/2  
 C50/2

ISO17/EMITTER C88/2 R112/2  
 F1/2  
 C56/2 C55/2 U13/4 C94/2  
 U13/2 C104/2 D4/ANODE ;  
 P5VI = U23/16 C109/1 C108/1  
 Q11/EMITTER  
 Q10/EMITTER Q12/EMITTER  
 Q13/EMITTER U15/16  
 C93/1 C92/1 C118/1  
 Q16/EMITTER  
 Q15/EMITTER U35/16 C119/1  
 R95/1

U2/OUT C36/1 C46/1  
 Q2/EMITTER  
 Q3/EMITTER C61/1 U8/16 C62/1  
 R94/1 R164/1 R123/1 R122/1  
 R141/1 ;  
 VBAT = C96/1 R20/2 C25/1 U18/16  
 R191/1 U41/1 C63/1 R22/2  
 C27/1 U10/16 C64/1 R21/2  
 C26/1 U9/16 C95/1 R23/2  
 C28/1 U19/16 ;



# Reference Listings

## I/O to Components and I/Cs List

% MKV COMMS CONFIGURATION BOARD  
BIL/BAL/232 - 410165

% Aristocrat Leisure Ind.

%

% 85-113 Dunning Ave. Rosebery, NSW

%

%

BOARD = ORCAD.PCB;

<b>PARTS</b>			
.1UF	= C1, % .1UF	2N2907A	R12; % 2K2 = 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	LM78L05ACM	= U3; %
	R29; % 20K	LM78L05ACM	
270R	= R23, % 270R	MC145406	= U1, % MC145406
	R33; % 270R		U2; % MC145406
2K2	= R11, % 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
			<b>NETS</b>
			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 ;	CFG29 = J1/36 R33/2 Q8/COLLECTOR ;	CTS2 = J1/37 U1/4 ;
N00008 = Q9/COLLECTOR TP32/1 R36/2 R34/1 ;	CFG9 = R3/1 J1/17 J1/20 J1/16 J1/13 C3/1 U2/1 R5/2	CFG32 = J1/44 R10/2 ;
N00009 = Q9/BASE R35/2 ;	R7/1 R4/2 J1/48 J1/24	CFG10 = R11/1 J1/14 ;
N00010 = R34/2 TP26/1 Q8/BASE ;	U3/8 C6/1 R6/1 C1/1	I1 = R27/2 J1/15 ;
N00011 = TP3/1 R24/2 Q6/BASE ;	U1/1 ;	DTR2 = J1/45 U1/5 ;
N00012 = R17/2 Q5/BASE ;	CFG2 = J1/1 ;	CFG12 = R12/1 J1/18 ;
N00013 = TP10/1 C11/1 R28/1 Q7/COLLECTOR ;	CFG40 = R2/2 Q1/EMITTER Q3/EMITTER J1/70	RTS1 = R25/2 J1/19 ;
N00014 = TP13/1 R29/2 Q7/BASE ;	J1/51 J1/56 J1/58 C4/2	DSR2 = J1/39 U1/6 ;
N00015 = Q10/COLLECTOR TP38/1 R23/1 ;	U2/9 C9/2 R15/1 Q4/EMITTER	CFG34 = J1/49 R18/2 ;
N00016 = R22/2 TP37/1 Q10/BASE ;	C7/2 C3/2 Q7/EMITTER C11/2	DTR1 = R28/2 J1/21 ;
N00017 = TP9/1 C7/1 R14/1 Q4/COLLECTOR ;	J1/38 J1/34 J1/25 R30/1	CFG14 = R32/1 R31/1 J1/22 ;
N00018 = U2/15 R22/1 TP36/1 ;	Q6/EMITTER Q5/EMITTER	SOUT2 = J1/35 U1/7 ;
N00019 = TP8/1 R13/2 Q4/BASE R15/2 ;	Q8/EMITTER C10/2	-12V1 = J1/52 J1/26 C8/1 U1/8 C9/1 U2/8 ;
N00020 = U2/13 TP35/1 R20/1 ;	Q9/EMITTER C8/2 C2/2 U1/9	CFG18 = R16/2 J1/29 ;
N00021 = U2/11 TP33/1 R21/1 ;	U3/7 U3/6 U3/2 U3/3	CFG17 = R7/2 J1/30 ;
N00022 = TP5/1 R12/2 D1/1 ;	C5/2 J1/72 J1/50 J1/28	CFG16 = R30/2 J1/31 ;
N00023 = R32/2 R31/2 TP21/1 D2/1 ;	C6/2 J1/2 C1/2 ;	I2 = J1/41 R38/2 R35/1 ;
N00024 = TP1/1 R11/2 Q3/COLLECTOR ;	CFG4 = R24/1 J1/3 ;	O2 = J1/47 R17/1 R16/1 ;
N00025 = TP7/1 R1/2 R3/2 Q1/COLLECTOR ;	CFG1 = J1/4 ;	SIN3 = U2/2 J1/53 ;
N00026 = TP2/1 Q3/BASE R1/1 ;	CFG19 = J1/27 R8/2 U1/14 ;	CFG23 = R39/2 U2/14 J1/54 ;
N00027 = R26/1 Q1/BASE TP6/1 R2/1 ;	CFG21 = J1/40 R19/2 U1/12 ;	SOUT3 = U2/7 J1/55 ;
CFG35 = J1/61 J1/64 C4/1 U2/16 R40/1 R39/1 R41/1 Q10/EMITTER	SIN1 = D2/2 J1/5 ;	CFG25 = R40/2 U2/12 J1/57 ;
R36/1 J1/46 J1/42 J1/32	SIN2 = J1/33 R6/2 U1/2 ;	CTS3 = U2/4 J1/59 ;
R38/1 C2/1 U3/1 C5/1	CFG3 = R4/1 J1/6 ;	CFG39 = J1/68 R23/2 ;
U1/16 R8/1 R37/1 R19/1	SOUT1 = R14/2 J1/7 ;	CFG27 = R41/2 U2/10 J1/60 ;
Q2/EMITTER ;	CFG6 = R29/1 J1/8 ;	CFG36 = R20/2 J1/62 ;
	CTS1 = R27/1 R26/2 J1/9 ;	DSR3 = U2/6 J1/63 ;
	CFG5 = R5/1 J1/10 ;	CFG38 = R21/2 J1/66 ;
	RTS2 = J1/43 U1/3 ;	RTS3 = U2/3 J1/67 ;
	DSR1 = D1/2 J1/11 ;	DTR3 = U2/5 J1/69 ;
	CFG8 = R13/1 J1/12 ;	

## Reference Listings

### I/O to Components and I/Cs List

% MECHANICAL METERS BOARD - 572391

Revised: March 6, 2001

% ARISTOCRAT TECHNOLOGIES AUSTRALIA

%

%

BOARD = ORCAD.PCB;

#### PARTS

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

#### NETS

MET24V = J2/1 J2/13 J2/14 J2/2  
 M1/2 J2/3 J2/4 M2/2  
 M3/2 M4/2 M5/2 M6/2 ;  
 LTL24V = J2/15 J2/16 J1/6 J1/1 ;  
 SEC\_NC = S1/NC J2/17 ;  
 HM1 = M1/1 J2/5 ;  
 SEC\_COM = S1/COMMON J2/19 ;  
 SEC\_NO = S1/NO J2/18 ;

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	18	EPROM.SCH
598	U8	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
599	U9	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
600	U10	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
601	U11	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
602	U12	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
603	U13	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
604	U14	AM27C4096 DIL_6_40	EPROM	18	EPROM.SCH
605	U15A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
606	U15B	74HC00S 7400S 430234	MISC	12	MISC.SCH
607	U15C	74HC00S 7400S 430234	MSS	42	MSS.SCH
608	U15D	74HC00S 7400S 430234	MSS	42	MSS.SCH
609	U16A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
610	U16B	74HC00S 7400S 430234	MISC	12	MISC.SCH
611	U16C	74HC00S 7400S 430234	MISC	12	MISC.SCH
612	U16D	74HC00S 7400S 430234	MISC	12	MISC.SCH
613	U17A	74HC00S 7400S 430234	SRAM	33	SRAM.SCH
614	U17B	74HC00S 7400S 430234	MISC	12	MISC.SCH
615	U17C	74HC00S 7400S 430234	MISC	12	MISC.SCH
616	U17D	74HC00S 7400S 430234	MISC	12	MISC.SCH
617	U21A	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
618	U21B	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
619	U22	ROMDEC PLCC-28S 562840	EPROM	18	EPROM.SCH
620	U24	BTEST PLCC-20S 562836	RESET1	9	RESET1.SCH
621	U25	90CS46 SO8N 430564	EEPROM	30	EEPROM.SCH
622	U27	90CS46 DIL_3_08 430553	EEPROM	30	EEPROM.SCH
623	U28	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
624	U29A	LM324 SO14 430260	SOUND	14	SOUND.SCH
625	U29B	LM324 SO14 430260	SOUND	14	SOUND.SCH
626	U29C	LM324 SO14 430260	SOUND	14	SOUND.SCH
627	U29D	LM324 SO14 430260	SOUND	14	SOUND.SCH
628	U30	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
629	U31	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
630	U32	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
631	U34	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
632	U35	74HC273 74273S 430244	REG_OUT	35	REG_OUT.SCH
633	U36	DEMUL PLCC-28S 562837	DMEMORY	15	DMEMORY.SCH
634	U39A	74HC14 7414S 430236	SPI_REG	44	SPI_REG.SCH
635	U39B	74HC14 7414S 430236	RESET1	9	RESET1.SCH
636	U39C	74HC14 7414S 430236	MISC	12	MISC.SCH
637	U39D	74HC14 7414S 430236	RESET1	9	RESET1.SCH
638	U39E	74HC14 7414S 430236	RESET1	9	RESET1.SCH
639	U39F	74HC14 7414S 430236	SPI_IO	37	SPI_IO.SCH
640	U40	DS1202S SO16W 430262	RTC	32	RTC.SCH
641	U41	MAX705 SO8N 430259	RESET1	9	RESET1.SCH
642	U45	L4975A KV015V 430258	POWER	7	POWER.SCH
643	U46A	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH
644	U46B	HC244S 74244S 430242	IO_OUT	17	IO_OUT.SCH



645	U47	MAX202 SO16W 430500	COMMS1	27	COMMS1.SCH
646	U48	DRAM40 DRAM40_S 430250	DMEMORY	15	DMEMORY.SCH
647	U49	DRAM40 DRAM40_S 430250	DMEMORY	15	DMEMORY.SCH
648	U50	DS1620 SOP08 430451	RTC	32	RTC.SCH
649	U51	74HC4066 4066S 430248	SOUND	14	SOUND.SCH
650	U52	UDN2543 DIL_3_16 430156	COIN	25	COIN.SCH
651	U53A	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
652	U53B	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
653	U55	74HC245 74245S 430243	IO_OUT	17	IO_OUT.SCH
654	U56A	HC244S 74244S 430242	LABUFFER	16	LABUFFER.SCH
655	U56B	HC244S 74244S 430242	REG_IN	31	REG_IN.SCH
656	U60	74HC4020 4020S 430247	CLOCK	20	CLOCK.SCH
657	U65	GLUE2 PLCC-28S 562838	REG_OUT	35	REG_OUT.SCH
658	U66	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
659	U67	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
660	U68	74HC138 74138S 430239	IODECODE	11	IODECODE.SCH
661	U71	16C452 PLCC-68S 430233	COMMS1	27	COMMS1.SCH
662	U72	16C452 PLCC-68S 430233	COMMS2	28	COMMS2.SCH
663	U73	OSC OSC_04 430389	CPU	22	CPU.SCH
664	U74	6N136 DIL_3_08 430264	COMMS2	28	COMMS2.SCH
665	U75	6N136 DIL_3_08 430264	COMMS2	28	COMMS2.SCH
666	U80	78L12 78L12 430279	POWER	7	POWER.SCH
667	U81	79L12 79L12 430263	POWER	7	POWER.SCH
668	U82	TDA2006 TDA2006 430257	SOUND	14	SOUND.SCH
669	U85	ARM250 QUAD160S 430256	CPU	22	CPU.SCH
670	U131	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
671	U132	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
672	U133	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
673	U134	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
674	U135	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
675	U136	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
676	U137	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
677	U138	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
678	U139	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
679	U140	PS2501 DIL_3_04 19013	COMMS2	28	COMMS2.SCH
680	U142	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
681	U143	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
682	U144	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
683	U145	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
684	U146	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
685	U147	PS2501 DIL_3_04 19013	COMMS1	27	COMMS1.SCH
686	U149	DRAM42 DRAM42_S 430250	DMEMORY	15	DMEMORY.SCH
687	U152	DRAM42 DRAM42_S 430250	DMEMORY	15	DMEMORY.SCH
688	X1	32768Hz CRHTUB01 430390	RTC	32	RTC.SCH
689	X2	25MHz YHC18V 430398	CPU	22	CPU.SCH
690	Y1	STAPLE STAPLE01	MISC	12	MISC.SCH
691	Y2	STAPLE STAPLE01	MISC	12	MISC.SCH
692	Y3	STAPLE STAPLE01	MISC	12	MISC.SCH
693	Y4	STAPLE STAPLE01	MISC	12	MISC.SCH
694	Y5	STAPLE STAPLE01	MISC	12	MISC.SCH





# Wiring Diagram



This page is intentionally blank.



# Circuit Diagrams



This page is intentionally blank.



# Mechanical Drawings



This page is intentionally blank.

