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1	A.M.	21.06.97	
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1	A.M.	21.06.97	
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All parts to be BuSIS Compliant

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Designator	Description
C1	CAPACITOR CERAMIC SMD0805 330P (AF4696)
C2	CAPACITOR CERAMIC SMD0805 330P (AF4696)
C3	CAPACITOR CERAMIC SMD0805 47N (AF4889)
C4	CAPACITOR CERAMIC SMD0805 47N (AF4889)
C5	CAPACITOR ELECTROLYTIC 100uF 35V (AF0221)
C6	CAPACITOR ELECTROLYTIC 100uF 35V (AF0221)
C7	CAPACITOR CERAMIC SMD0805 15N (AF2990)
C8	CAPACITOR CERAMIC SMD0805 15N (AF2990)
C9	CAPACITOR CERAMIC SMD0805 15P 50V (AF5034)
C10	CAPACITOR CERAMIC SMD0805 15P 50V (AF5034)
C11	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C12	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C13	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C14	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C15	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C16	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)
C17	CAPACITOR CERAMIC SMD0805 100N (AF2851)
C18	CAPACITOR CERAMIC SMD0805 100N (AF2851)
C19	CAPACITOR CERAMIC SMD0805 2N7 (AF2993)
C20	CAPACITOR CERAMIC SMD0805 2N7 (AF2993)
C21	CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)
C22	CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)
C23	CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)
C24	CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)
C25	CAPACITOR CERAMIC SMD0805 22N (AF5035)
C26	CAPACITOR CERAMIC SMD0805 22N (AF5035)
C27	CAPACITOR CERAMIC SMD0805 22N (AF5035)
C28	CAPACITOR CERAMIC SMD0805 22N (AF5035)
C29	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C30	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C31	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C32	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C33	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C34	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C35	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C36	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C37	CAPACITOR CERAMIC SMD0805 2N2 (AF3548)
C38	CAPACITOR CERAMIC SMD0805 2N2 (AF3548)
C39	CAPACITOR ELECTROLYTIC 10uF 50V (AF0214)
C40	CAPACITOR ELECTROLYTIC 10uF 50V (AF0214)
C41	CAPACITOR CERAMIC SMD0805 47P (AF4700)
C42	CAPACITOR CERAMIC SMD0805 47P (AF4700)
C43	CAPACITOR CERAMIC SMD0805 47P (AF4700)
C44	CAPACITOR CERAMIC SMD0805 47P (AF4700)
CN1	RCA PHONO QUAD 2H2V GP (TREMIVER PS-3205) (AL4977)
FID1	SMD FIDUCIAL
FID2	SMD FIDUCIAL
LD11	LED SMD SUN RED (XZMD77W) 1206 (AE5443)
LD12	LED SMD SUN RED (XZMD77W) 1206 (AE5443)

LD13	LED SMD SUN BLU (XZBB77WH) 1206 (AE5466)
LD14	LED SMD SUN BLU (XZBB77WH) 1206 (AE5466)
LP1	SW-LIGHTPIPE(AJ5324)
LP2	SW-LIGHTPIPE(AJ5324)
Q3	TRANSISTOR NPN BC848B (AE3332)
R1	RESISTOR CARBON SMD0805 47K 5% (AC3035)
R2	RESISTOR CARBON SMD0805 47K 5% (AC3035)
R3	RESISTOR CARBON SMD0805 47K 5% (AC3035)
R4	RESISTOR CARBON SMD0805 47K 5% (AC3035)
R5	RESISTOR CARBON SMD0805 100R 5% (AC3026)
R6	RESISTOR CARBON SMD0805 100R 5% (AC3026)
R7	RES SMD 68K 1% 0805 METAL FILM AC5427
R8	RES SMD 68K 1% 0805 METAL FILM AC5427
R9	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R10	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R11	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R12	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R13	RESISTOR CARBON 0R0 1/4W 5% (AC0335)
R14	RESISTOR CARBON SMD0805 0R0 5% (AC2838)
R15	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R16	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R17	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R18	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R19	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R20	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R21	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R22	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)
R23	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R24	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R25	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R26	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R27	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R28	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R29	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R30	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R31	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R32	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R33	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R34	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R35	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R36	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R37	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R38	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R39	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R40	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R41	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R42	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R43	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R44	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R45	RES SMD 27K 1% 0805 METAL FILM AC5049

R46	RES SMD 27K 1% 0805 METAL FILM AC5049
R47	RES SMD 27K 1% 0805 METAL FILM AC5049
R48	RES SMD 27K 1% 0805 METAL FILM AC5049
R49	RES SMD 27K 1% 0805 METAL FILM AC5049
R50	RES SMD 27K 1% 0805 METAL FILM AC5049
R51	RES SMD 15K 1% 0805 METAL FILM AC5050
R52	RES SMD 15K 1% 0805 METAL FILM AC5050
R53	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R54	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R55	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R56	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R57	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R58	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R59	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R60	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R61	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R62	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R63	RESISTOR METAL FILM SMD0805 22K 1% (AC2842)
R64	RESISTOR METAL FILM SMD0805 22K 1% (AC2842)
R65	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R66	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R67	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R68	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R69	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R70	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R71	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R72	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R73	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R74	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R75	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R76	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R77	RESISTOR CARBON SMD0805 1K5 (AC4695)
R78	RESISTOR CARBON SMD0805 1K5 (AC4695)
R79	RESISTOR CARBON SMD0805 15K 5% (AC3486)
R80	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R81	RESISTOR CARBON SMD0805 5K6 5% (AC4106)
R82	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R83	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)
R112	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R113	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R114	RESISTOR CARBON SMD0805 47K 5% (AC3035)
SW1	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)
SW2	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)
SW3	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)
U1	IC SMD DUAL OP-AMP MC4580L (AE6851)
U2	IC SMD DUAL OP-AMP MC4580L (AE6851)
U3	IC SMD DUAL OP-AMP MC4580L (AE6851)
U4	IC SMD DUAL OP-AMP MC4580L (AE6851)
U5	IC SMD DUAL OP-AMP MC4580L (AE6851)
U6	IC SMD DUAL OP-AMP MC4580L (AE6851)

U7	IC SMD DUAL OP-AMP MC4580L (AE6851)
U8	IC SMD 74HC4053 (AE3355)
U9	IC SMD 74HC4053 (AE3355)
U11	IC SMD DUAL OP-AMP LM393 (AE5068)
VR1	POT ALPS 14mm 20KK x2 203K (AI8007)
VR2	POT ALPS 14mm 20KB x2 C/D 203B (AI8006)
VR3	POT ALPS 14mm 20KB x2 C/D 203B (AI8006)
VR4	POT ALPS 14mm 20KB x2 C/D 203B (AI8006)
VR5	POT ALPS 14mm 20KB x2 C/D 203B (AI8006)

Designator	Description
C45	CAPACITOR ELECTROLYTIC 1uF 63V (AF0210)
C46	CAPACITOR ELECTROLYTIC 0.200/0.200 (NOT FITTED)
C47	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C48	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C49	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C50	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C51	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C52	CAPACITOR ELECTROLYTIC SMD 1uF 50V (AF2995)
C53	CAPACITOR ELECTROLYTIC 10uF 50V (AF0214)
C54	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C55	CAPACITOR ELECTROLYTIC SMD 1uF 50V (AF2995)
C56	CAPACITOR ELECTROLYTIC SMD 10uF 16V (AF5235)
C57	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)
C58	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)
C67	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C73	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
C74	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)
CN2	Connector IDC,Molex Type 0.1" Pitch 10x2 pins (AL4336)
CN3	EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)
D1	DIODE SIGNAL SMD BAS16 (AE3352)
D2	DIODE SIGNAL SMD BAS16 (AE3352)
D3	DIODE SIGNAL SMD BAS16 (AE3352)
LD1	LED CYL SUN 3mm CLEAR RED (AE5145)
LD2	LED CYL SUN 3mm CLEAR RED (AE5147)
LD3	LED CYL SUN 3mm CLEAR RED (AE5147)
LD4	LED CYL SUN 3mm CLEAR RED (AE5147)
LD5	LED CYL SUN 3mm CLEAR GREEN (AE5146)
LD6	LED CYL SUN 3mm CLEAR GREEN (AE5146)
LD7	LED CYL SUN 3mm CLEAR GREEN (AE5146)
LD8	LED CYL SUN 3mm CLEAR GREEN (AE5146)
LD9	LED CYL SUN 3mm CLEAR GREEN (AE5146)
LD10	LED 3mm TRI-COLOUR GREEN/RED (AE3743)
Q1	TRANSISTOR NPN BC848B (AE3332)
Q2	TRANSISTOR PNP (NF)
R84	RESISTOR CARBON SMD0805 1K5 (AC4695)
R85	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)
R86	RESISTOR CARBON SMD0805 220R 5% (AC0368)
R87	RESISTOR CARBON SMD0805 220R 5% (AC0368)
R88	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R89	RESISTOR METAL FILM SMD0805 330K 1% (AC3087)
R90	RESISTOR CARBON SMD0805 10R 5% (AC3027)
R91	RESISTOR CARBON SMD0805 3K9 5% (AC4105)
R92	RESISTOR CARBON SMD0805 2K7 5% (AC4698)
R93	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R94	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R95	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R96	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R97	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)

R98	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R99	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R100	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)
R101	RESISTOR CARBON SMD0805 270K 5% (AC5543)
R102	RESISTOR CARBON SMD0805 270K 5% (AC5543)
R103	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)
R104	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)
R105	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)
R106	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)
R107	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)
R108	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)
R109	RESISTOR CARBON 10R PRE FORMED AXIAL 1/4W 5% (AC0378)
R110	RESISTOR CARBON 10R PRE FORMED AXIAL 1/4W 5% (AC0378)
R111	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)
R115	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)
R116	RESISTOR METAL FILM SMD0805 390R 1% (AC5342)
R117	RESISTOR CARBON SMD0805 470R 5% (AC3034)
R118	RESISTOR CARBON SMD0805 620R 5% (AC3038)
R119	RESISTOR METAL FILM SMD0805 680R 1% (AC3058)
R120	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)
R141	RESISTOR CARBON SMD0805 10R 5% (AC3027)
SW4	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)
U1	IC SMD DUAL OP-AMP MC4580L (AE6851)
U2	IC SMD DUAL OP-AMP MC4580L (AE6851)
U3	IC SMD DUAL OP-AMP MC4580L (AE6851)
U4	IC SMD DUAL OP-AMP MC4580L (AE6851)
U5	IC SMD DUAL OP-AMP MC4580L (AE6851)
U6	IC SMD DUAL OP-AMP MC4580L (AE6851)
U7	IC SMD DUAL OP-AMP MC4580L (AE6851)
U8	IC SMD 74HC4053 (AE3355)
U9	IC SMD 74HC4053 (AE3355)
U10	IC SMD DUAL OP-AMP TLC072 (AE5585)
U11	IC SMD DUAL OP-AMP LM393 (AE5068)
U12	IC LM339 COMPARATOR SMD (AE4890)
U13	IC SMDPROGRAMMABLE VOLTAGE REFERENCETL431CD (AE5385)
U14	IC LM339 COMPARATOR SMD (AE4890)