

ALLEN & HEATH STUDIO 2 AG7637_2
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C7637_2P1
C7637_2P1.Sch



C7637_2P2
C7637_2P2.Sch



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ISSUE	BY	DATE	CHK BY
A	AAT	21/08/09	XXX
1	AAT	24/06/10	XXX
2	AAT	14/07/10	XXX

FILE: C7637_2.Sch

* All parts to be RoHS Compliant *

PRINTED: 16:51:41 16-Jul-2010

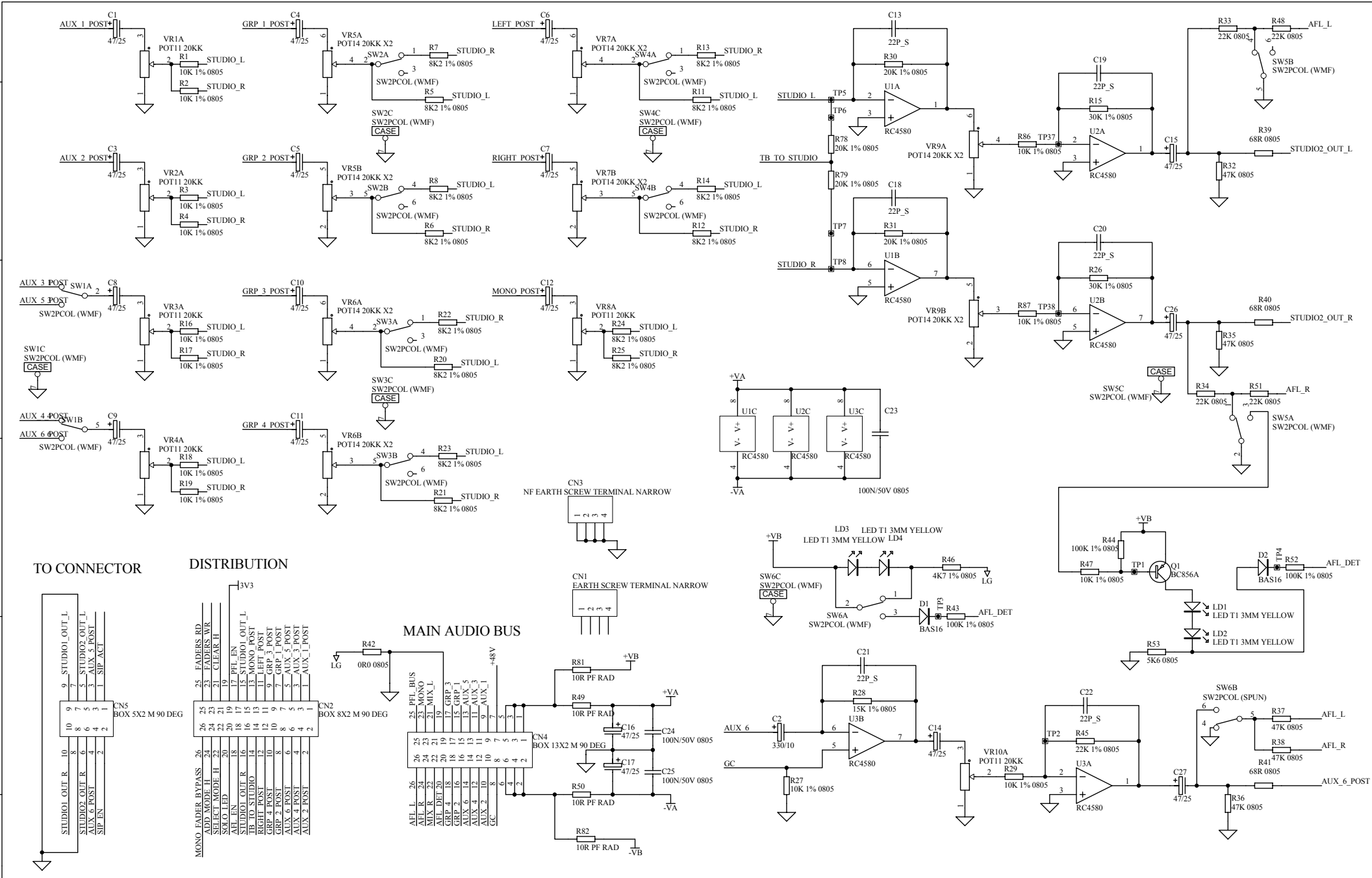
TITLE: **GS-R24 STUDIO 2**

PAGE:

DRG No: **C7637** ISSUE: **2** SHEET: **0** OF **2**

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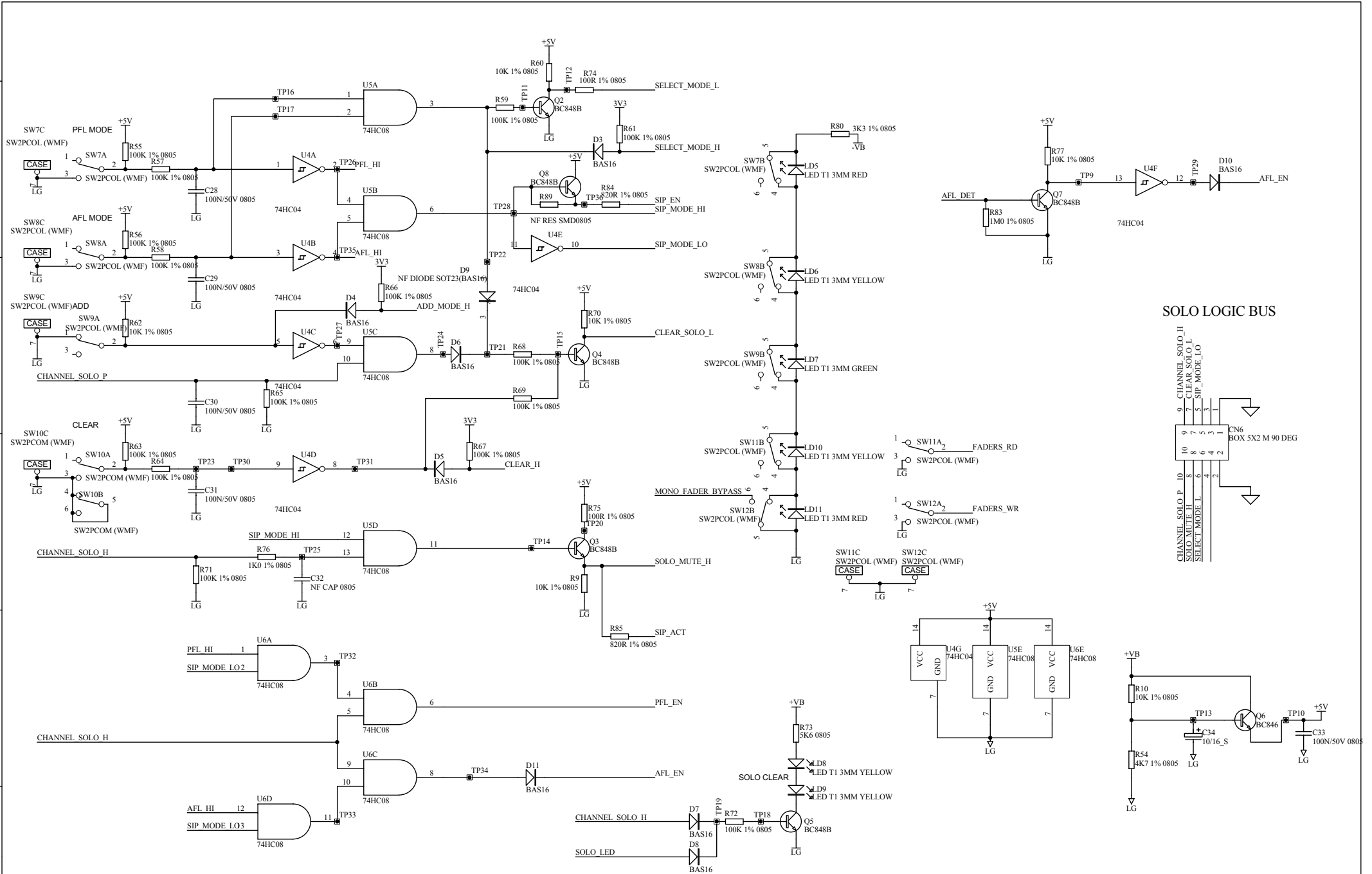
VR1B POT11 20KK BRKT	VR2C POT14 10KAC C/D BRKT	FID1 FIDUCIAL	FID2 FIDUCIAL	FID3 FIDUCIAL	A11 HOLE-A1 FIDB1 FIDUCIAL	A12 HOLE-A2 FIDB2 FIDUCIAL	ATE1 HOLE-ATE FIDB3 FIDUCIAL	ATE2 HOLE-ATE	ATE3 HOLE-ATE

FILE: C7637_2P1.Sch

TITLE: **GS-R24 STUDIO 2**
 PAGE:
 DRG No: **C7637** ISSUE: 2 SHEET: 1 OF 2

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TITLE: **GS-R24 STUDIO 2**
 PAGE:
 DRG No: **C7637** ISSUE: **2** SHEET: **2 OF 2**

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Description	Designator
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C1
CAPACITOR ELECTROLYTIC 330uF 10V (AF2288)	C2
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C3
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C4
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C5
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C6
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C7
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C8
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C9
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C10
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C11
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C12
CAPACITOR CERAMIC SMD0805 22P (AF2992)	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 22P (AF2992)	C18
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C19
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C20
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C21
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C22
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C23
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C24
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C25
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C26
CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	C27
EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	CN1
Connector IDC,Molex Type 0.1" Pitch 13x2 pins (AL3592)	CN2
EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	CN3
Connector IDC,Molex Type 0.1" Pitch 13x2 pins (AL3592)	CN4
Connector BOX,Molex Type 0.1" Pitch 5x2 pins Male 90 Deg (AL4334)	CN5
DIODE SIGNAL SMD BAS16 (AE3352)	D1
DIODE SIGNAL SMD BAS16 (AE3352)	D2
LED T1 3mm YELLOW (AE0084)	LD1
LED T1 3mm YELLOW (AE0084)	LD2
LED T1 3mm YELLOW (AE0084)	LD3
LED T1 3mm YELLOW (AE0084)	LD4
TRANSISTOR PNP BC856A (AE5205)	Q1
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R1
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R2
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R3
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R4
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R5
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R6
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R7
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R8
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R11

RESISTOR METAL SMD0805 8K2 1% (AC5017)	R12
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R13
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R14
RESISTOR METAL SMD0805 30K 1% (AC5341)	R15
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R16
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R17
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R18
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R19
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R20
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R21
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R22
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R23
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R24
RESISTOR METAL SMD0805 8K2 1% (AC5017)	R25
RESISTOR METAL SMD0805 30K 1% (AC5341)	R26
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R27
RES SMD 15K 1% 0805 METAL FILM AC5050	R28
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R29
RESISTOR METAL SMD0805 20K 1% (AC5057)	R30
RESISTOR METAL SMD0805 20K 1% (AC5057)	R31
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R32
RESISTOR CARBON SMD0805 22K 5% (AC3540)	R33
RESISTOR CARBON SMD0805 22K 5% (AC3540)	R34
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R35
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R36
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R37
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R38
RESISTOR CARBON SMD0805 68R 5% (AC4101)	R39
RESISTOR CARBON SMD0805 68R 5% (AC4101)	R40
RESISTOR CARBON SMD0805 68R 5% (AC4101)	R41
RESISTOR CARBON SMD0805 0R0 5% (AC2838)	R42
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R43
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R44
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R45
RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	R46
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R47
RESISTOR CARBON SMD0805 22K 5% (AC3540)	R48
RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	R49
RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	R50
RESISTOR CARBON SMD0805 22K 5% (AC3540)	R51
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R52
RESISTOR CARBON SMD0805 5K6 5% (AC4106)	R53
RESISTOR METAL SMD0805 20K 1% (AC5057)	R78
RESISTOR METAL SMD0805 20K 1% (AC5057)	R79
RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	R81
RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	R82
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R86
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R87
SWITCH DPDT WMF LATCHING (AL6824)	SW1
SWITCH DPDT WMF LATCHING (AL6824)	SW2

SWITCH DPDT WMF LATCHING (AL6824)	SW3
SWITCH DPDT WMF LATCHING (AL6824)	SW4
SWITCH DPDT WMF LATCHING (AL6824)	SW5
SWITCH DPDT WMF LATCHING (AL6824)	SW6
IC SMD DUAL OP-AMP RC4580 (AE6851)	U1
IC SMD DUAL OP-AMP RC4580 (AE6851)	U2
IC SMD DUAL OP-AMP RC4580 (AE6851)	U3
POT ALPS 11mm 20KK 203K (AI8003)	VR1
POT ALPS 11mm 20KK 203K (AI8003)	VR2
POT ALPS 14mm 10KAC x2 C/D 103AC (AI8008)	VR2
POT ALPS 11mm 20KK 203K (AI8003)	VR3
POT ALPS 11mm 20KK 203K (AI8003)	VR4
POT ALPS 14mm 20KK x2 203K (AI8007)	VR5
POT ALPS 14mm 20KK x2 203K (AI8007)	VR6
POT ALPS 14mm 20KK x2 203K (AI8007)	VR7
POT ALPS 11mm 20KK 203K (AI8003)	VR8
POT ALPS 14mm 20KK x2 203K (AI8007)	VR9
POT ALPS 11mm 20KK 203K (AI8003)	VR10

Description	Designator
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C28
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C29
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C30
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C31
CAPACITOR CERAMIC SMD0805 NOT FITTED	C32
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C33
CAPACITOR ELECTROLYTIC SMD 10uF 16V (AF5235)	C34
Connector BOX,Molex Type 0.1" Pitch 5x2 pins Male 90 Deg (AL4334)	CN6
DIODE SIGNAL SMD BAS16 (AE3352)	D3
DIODE SIGNAL SMD BAS16 (AE3352)	D4
DIODE SIGNAL SMD BAS16 (AE3352)	D5
DIODE SIGNAL SMD BAS16 (AE3352)	D6
DIODE SIGNAL SMD BAS16 (AE3352)	D7
DIODE SIGNAL SMD BAS16 (AE3352)	D8
NF DIODE SIGNAL SMD (BAS16)	D9
DIODE SIGNAL SMD BAS16 (AE3352)	D10
DIODE SIGNAL SMD BAS16 (AE3352)	D11
LED T1 3mm RED (AE0086)	LD5
LED T1 3mm YELLOW (AE0084)	LD6
LED T1 3mm GREEN (AE0085)	LD7
LED T1 3mm YELLOW (AE0084)	LD8
LED T1 3mm YELLOW (AE0084)	LD9
LED T1 3mm YELLOW (AE0084)	LD10
LED T1 3mm RED (AE0086)	LD11
TRANSISTOR NPN BC848B (AE3332)	Q2
TRANSISTOR NPN BC848B (AE3332)	Q3
TRANSISTOR NPN BC848B (AE3332)	Q4
TRANSISTOR NPN BC848B (AE3332)	Q5
TRANSISTOR NPN BC846 (AE6061)	Q6
TRANSISTOR NPN BC848B (AE3332)	Q7
TRANSISTOR NPN BC848B (AE3332)	Q8
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R9
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R10
RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	R54
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R55
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R56
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R57
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R58
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R59
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R60
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R61
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R62
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R63
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R64
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R65
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R66
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R67
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R68
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R69

RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R70
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R71
RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	R72
RESISTOR CARBON SMD0805 5K6 5% (AC4106)	R73
RESISTOR METAL FILM SMD0805 100R 1% (AC3054)	R74
RESISTOR METAL FILM SMD0805 100R 1% (AC3054)	R75
RESISTOR METAL FILM SMD0805 1K0 1% (AC0369)	R76
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R77
RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	R80
RESISTOR METAL FILM SMD0805 1M0 1% (AC2904)	R83
RESISTOR METAL SMD0805 820R 1% (AC5491)	R84
RESISTOR METAL SMD0805 820R 1% (AC5491)	R85
RESISTOR SMD NOT FITTED 0805	R89
SWITCH DPDT WMF LATCHING (AL6824)	SW7
SWITCH DPDT WMF LATCHING (AL6824)	SW8
SWITCH DPDT WMF LATCHING (AL6824)	SW9
SWITCH DPDT WMF MOMENTARY (AL7206)	SW10
SWITCH DPDT WMF LATCHING (AL6824)	SW11
SWITCH DPDT WMF LATCHING (AL6824)	SW12
IC SMD 74HC14 SCHMITT TRIG (AE2885)	U4
IC SMD 74HC08 4X 2-IN Pos And G (AE3947)	U5
IC SMD 74HC08 4X 2-IN Pos And G (AE3947)	U6