

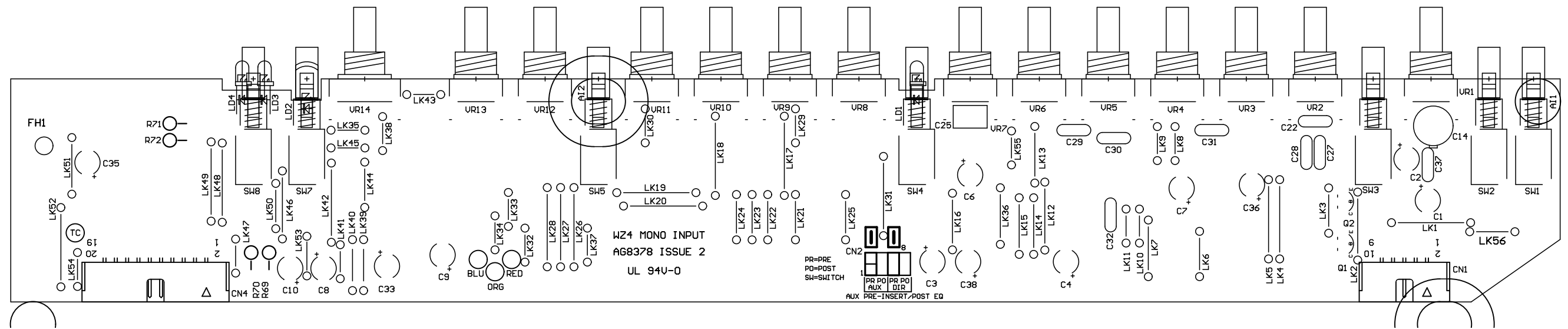
Designator	Description	A&H PART
	AG8378_2_004_145_W412_16_mono_ip	
C1	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C2	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C3	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C4	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C5	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C6	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C7	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C8	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C9	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C10	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C11	CAPACITOR CERAMIC SMD0805 1N5 (AF2991)	AF2991
C12	CAPACITOR CERAMIC SMD0805 100P (AF2847)	AF2847
C13	CAPACITOR CERAMIC SMD0805 100P (AF2847)	AF2847
C14	CAPACITOR ELECTROLYTIC 1000uF 6.3V (AF8123)	AF8123
C15	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C16	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C17	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C18	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C19	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C20	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C21	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C22	CAPACITOR MYLAR 1N5 100V 10% (AF0583)	AF0583
C23	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C24	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C25	CAPACITOR POLYESTER 220NF 100V 5% (AF8165)	AF8165
C27	CAPACITOR MYLAR 47NF 100V 10% (AF0156)	AF0156
C28	CAPACITOR MYLAR 47NF 100V 10% (AF0156)	AF0156
C29	CAPACITOR MYLAR 22NF 100V 10% (AF0252)	AF0252
C30	CAPACITOR MYLAR 22NF 100V 10% (AF0252)	AF0252
C31	CAPACITOR MYLAR 1N5 100V 10% (AF0583)	AF0583
C32	CAPACITOR MYLAR 1N5 100V 10% (AF0583)	AF0583
C33	CAPACITOR ELECTROLYTIC 220uF 10V (AF0225)	AF0225
C34	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C35	CAPACITOR ELECTROLYTIC 1uF 63V (AF0210)	AF0210
C36	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C37	CAPACITOR CAP RAD 0.200/0.300 NOT FITTED	NO PART
C38	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C39	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C40	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C41	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C42	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
CN1	Connector BOX,Molex Type 0.1" Pitch 5x2 pins Male 90 Deg (AL4334)	AL4334
CN2	Connector IDC,Molex Type 0.1" Pitch 4x2 pins (AL2563)	AL2563
CN4	Connector IDC,Molex Type 0.1" Pitch 10x2 pins (AL4336)	AL4336
D1	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D2	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D3	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D4	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352

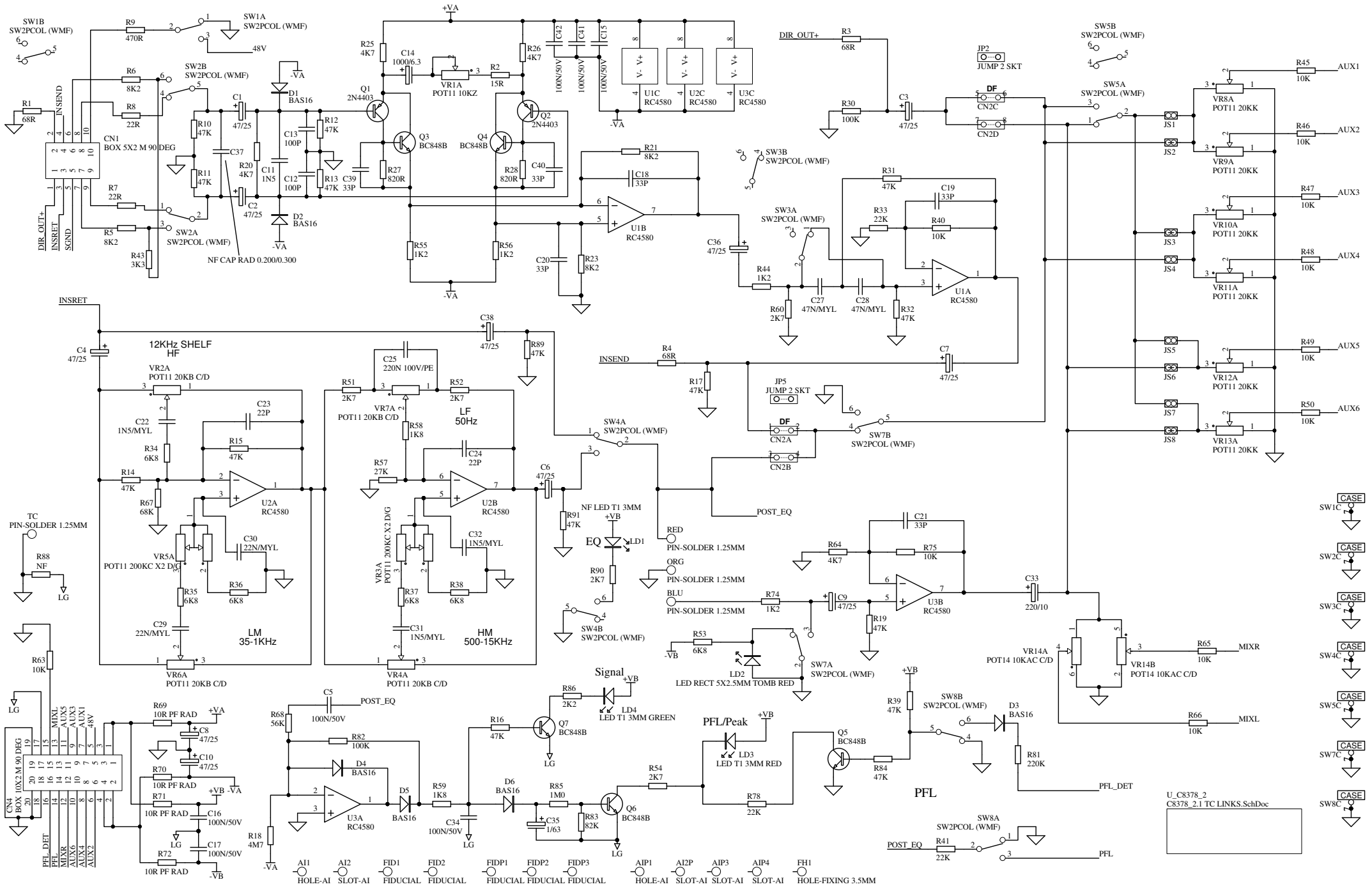
D5	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D6	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
JP2	JUMP 2 OPTION JUMPER (AL0334)	AL0334
JP5	JUMP 2 OPTION JUMPER (AL0334)	AL0334
LD1	LED T1 3mm NOT FITTED	NO PART
LD2	LED RECT 5x2.5MM TOMBSTONE RED (AE4863)	AE4863
LD3	LED T1 3mm RED (AE0086)	AE0086
LD4	LED T1 3mm GREEN (AE0085)	AE0085
LK1	TC WIRE LINK ,AH0070	AH0070
LK2	TC WIRE LINK ,AH0070	AH0070
LK3	TC WIRE LINK ,AH0070	AH0070
LK4	TC WIRE LINK ,AH0070	AH0070
LK5	TC WIRE LINK ,AH0070	AH0070
LK6	TC WIRE LINK ,AH0070	AH0070
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LK25	TC WIRE LINK ,AH0070	AH0070
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LK29	TC WIRE LINK ,AH0070	AH0070
LK30	TC WIRE LINK ,AH0070	AH0070
LK31	TC WIRE LINK ,AH0070	AH0070
LK32	TC WIRE LINK ,AH0070	AH0070
LK33	TC WIRE LINK ,AH0070	AH0070
LK34	TC WIRE LINK ,AH0070	AH0070
LK35	TC WIRE LINK ,AH0070	AH0070
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LK40	TC WIRE LINK ,AH0070	AH0070
LK41	TC WIRE LINK ,AH0070	AH0070
LK42	TC WIRE LINK ,AH0070	AH0070

LK43	TC WIRE LINK ,AH0070	AH0070
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LK45	TC WIRE LINK ,AH0070	AH0070
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LK47	TC WIRE LINK ,AH0070	AH0070
LK48	TC WIRE LINK ,AH0070	AH0070
LK49	TC WIRE LINK ,AH0070	AH0070
LK50	TC WIRE LINK ,AH0070	AH0070
LK51	TC WIRE LINK ,AH0070	AH0070
LK52	TC WIRE LINK ,AH0070	AH0070
LK53	TC WIRE LINK ,AH0070	AH0070
LK54	TC WIRE LINK ,AH0070	AH0070
LK55	TC WIRE LINK ,AH0070	AH0070
LK56	TC WIRE LINK ,AH0070	AH0070
Q1	TRANSISTOR PNP 2N4403 (AE0273)	AE0273
Q2	TRANSISTOR PNP 2N4403 (AE0273)	AE0273
Q3	TRANSISTOR NPN BC848B (AE3332)	AE3332
Q4	TRANSISTOR NPN BC848B (AE3332)	AE3332
Q5	TRANSISTOR NPN BC848B (AE3332)	AE3332
Q6	TRANSISTOR NPN BC848B (AE3332)	AE3332
Q7	TRANSISTOR NPN BC848B (AE3332)	AE3332
R1	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R2	RESISTOR CARBON SMD0805 15R 5% (AC6323)	AC6323
R3	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R4	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R5	RESISTOR METAL SMD0805 8K2 1% (AC5017)	AC5017
R6	RESISTOR METAL SMD0805 8K2 1% (AC5017)	AC5017
R7	RESISTOR SMD1206 22R 1% (AC5599)	AC5599
R8	RESISTOR SMD1206 22R 1% (AC5599)	AC5599
R9	RESISTOR CARBON SMD0805 470R 5% (AC3034)	AC3034
R10	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R11	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R12	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R13	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R14	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R15	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R16	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R17	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R18	RESISTOR METAL FILM SMD0805 4M7 1% (AC5586)	AC5586
R19	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R20	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R21	RES SMD TF 8K2 0.5% 0805 MET (H1Y84TQ) (AC6017)	AC6017
R23	RES SMD TF 8K2 0.5% 0805 MET (H1Y84TQ) (AC6017)	AC6017
R25	RES SMD TF 4K7 0.5% 0805 MET (H1Y84PK) (AC6015)	AC6015
R26	RES SMD TF 4K7 0.5% 0805 MET (H1Y84PK) (AC6015)	AC6015
R27	RESISTOR METAL SMD0805 820R 1% (AC5491)	AC5491
R28	RESISTOR METAL SMD0805 820R 1% (AC5491)	AC5491
R30	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	AC2843
R31	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R32	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035

R33	RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	AC2842
R34	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R35	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R36	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R37	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R38	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R39	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R40	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R41	RESISTOR CARBON SMD0805 22K 5% (AC3540)	AC3540
R43	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	AC3061
R44	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)	AC3059
R45	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R46	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R47	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R48	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R49	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R50	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R51	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698
R52	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698
R53	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R54	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698
R55	RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	AC6012
R56	RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	AC6012
R57	RESISTOR CARBON SMD0805 27K 5% (AC4693)	AC4693
R58	RESISTOR CARBON SMD0805 1K8 5% (AC3029)	AC3029
R59	RESISTOR CARBON SMD0805 1K8 5% (AC3029)	AC3029
R60	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698
R63	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R64	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R65	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R66	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R67	RES SMD 68K 1% 0805 METAL FILM AC5427	AC5427
R68	RESISTOR CARBON SMD0805 56K 5% (AC4545)	AC4545
R69	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R70	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R71	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R72	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R74	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)	AC3059
R75	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R78	RESISTOR CARBON SMD0805 22K 5% (AC3540)	AC3540
R81	RESISTOR CARBON SMD0805 220K 5% (AC4108)	AC4108
R82	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	AC2843
R83	RESISTOR CARBON SMD0805 82K 5% (AC4894)	AC4894
R84	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R85	RESISTOR METAL FILM SMD0805 1M0 1% (AC2904)	AC2904
R86	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)	AC0370
R87	RESISTOR METAL FILM SMD0805 1K0 1% (AC0369)	AC0369
R88	RESISTOR SMD NOT FITTED 0805	NO PART
R89	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R90	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698

R91	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
SW1	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW2	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW3	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW4	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW5	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW7	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
SW8	SWITCH DPDT WMF LATCHING (AL6824)	AL6824
U1	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U2	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U3	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
VR1	POT ALPS 11mm 10KZ (AI3838)	AI3838
VR2	POT ALPS 11mm 20KB C/D 203B (AI8004)	AI8004
VR3	POT ALPS 11mm 200KC X2 DUAL GANG 204C (AI8005)	AI8005
VR4	POT ALPS 11mm 20KB C/D 203B (AI8004)	AI8004
VR5	POT ALPS 11mm 200KC X2 DUAL GANG 204C (AI8005)	AI8005
VR6	POT ALPS 11mm 20KB C/D 203B (AI8004)	AI8004
VR7	POT ALPS 11mm 20KB C/D 203B (AI8004)	AI8004
VR8	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR9	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR10	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR11	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR12	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR13	POT ALPS 11mm 20KK 203K (AI8003)	AI8003
VR14	POT ALPS 14mm 10KAC x2 C/D 103AC (AI8008)	AI8008





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ISSUE	BY	DATE	CHK BY	VR1B	VR2B	VR3B	VR4B	VR5B	VR6B	VR7B	VR8B	VR9B	VR10B	VR11B	VR12B	VR13B	VR14C
A	NB	13 OCT 10	XXX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B	AAT	16-03-11	XXX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1	NB	12-08-11	XXX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	JB	29-08-11	XXX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.1	NB	18 OCT 12	XXX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TEST POINTS ADDED TO PCB

FILE: C8378_2.1.SchDoc

* All parts to be RoHS Compliant

TITLE: **WZ4 16&12 MONO INPUT**
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 DRG No: **C8378** ISSUE: 2.1 SHEET: 1 OF 2

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LINK TCW	LINK TCW	

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ISSUE	BY	DATE	CHK BY
A	NB	13 OCT 10	XXX
B	AAT	16-03-11	XXX
1	NB	12-08-11	XXX
2	JB	29-08-11	XXX
2.1	NB	18OCT12	XXX

TEST POINTS ADDED TO PCB

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TITLE: WZ4 16&12 MONO INPUT

PAGE:

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a