

ALLEN&HEATH

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REV	BY	DATE	ECN	CHK
A	NB	25Feb15		XXX
B	NB	27AUG15		
1	JB	23FEB16		

Edit in Project Options, Parameters Tab.
FILE: C10096_1.SchDoc

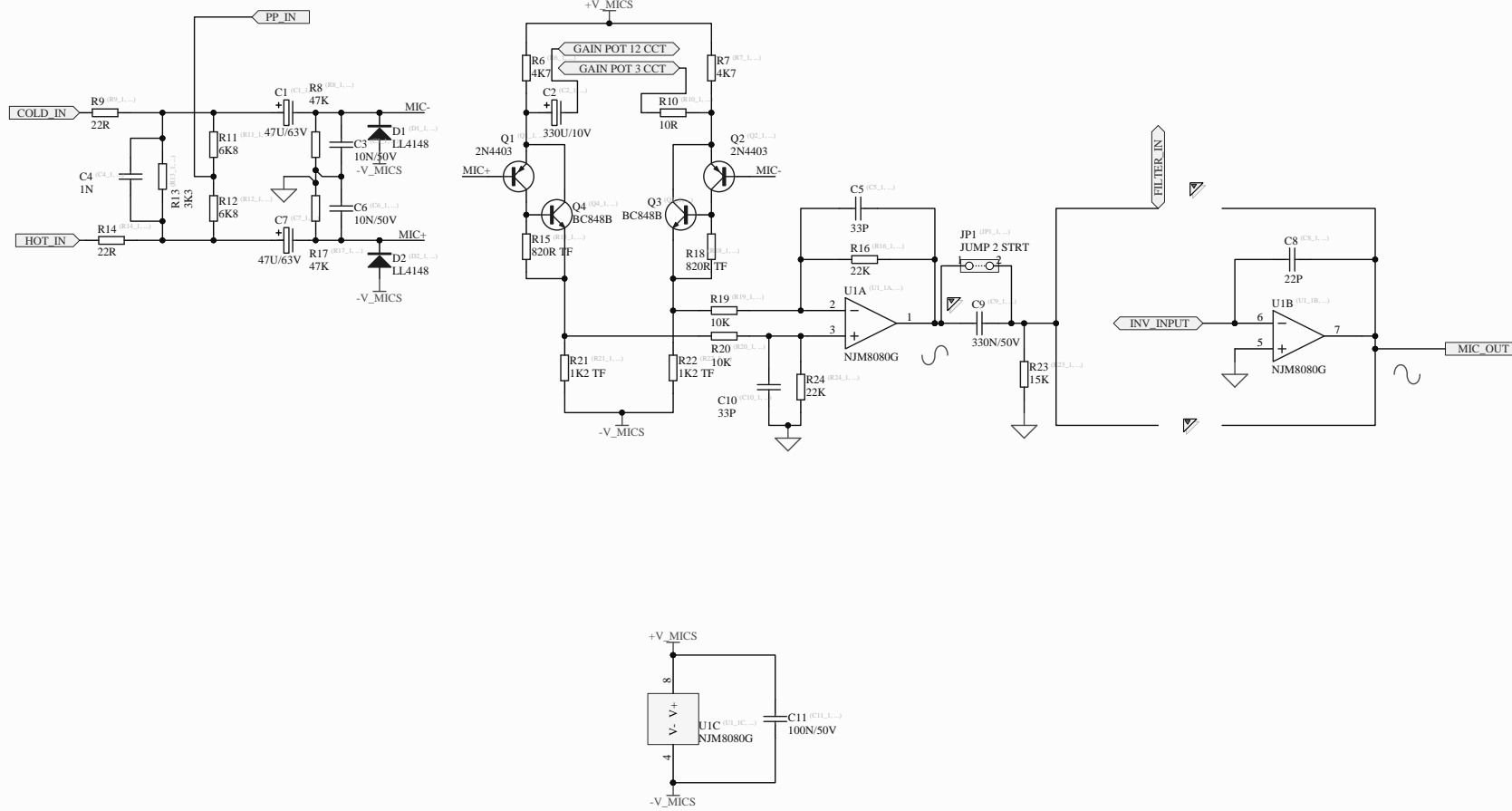
* All parts to be RoHS Compliant *

ASSEMBLY
PROTO(004-701)

GR4
TITLE: Rear_Lower_PCB
PAGE:

DRG No: C10096 ISSUE: 1 SHEET: 1 OF 2

VCS Revision Not in version control PRINTED: 11:01:14 08/03/2016



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AG10096_1 GR4 GR3 Rear Lower 004-701

Description	Designator
EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	CN13
EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	CN14
RESISTOR CARBON SMD0805 0R0 5% (AC2838)	R1
RESISTOR CARBON SMD0805 0R0 5% (AC2838)	R2
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R19_1
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R19_2
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R19_3
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R19_4
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R20_1
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R20_2
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R20_3
RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	R20_4
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R16_1
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R16_2
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R16_3
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R16_4
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R24_1
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R24_2
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R24_3
RESISTOR METAL FILM SMD0805 22K 1% (AC2842)	R24_4
RESISTOR CARBON SMD0805 10R 5% (AC3027)	R10_1
RESISTOR CARBON SMD0805 10R 5% (AC3027)	R10_2
RESISTOR CARBON SMD0805 10R 5% (AC3027)	R10_3
RESISTOR CARBON SMD0805 10R 5% (AC3027)	R10_4
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R17_1
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R17_2
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R17_3
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R17_4
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R8_1
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R8_2
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R8_3
RESISTOR CARBON SMD0805 47K 5% (AC3035)	R8_4
RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	R13_1
RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	R13_2
RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	R13_3
RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	R13_4
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R11_1
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R11_2
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R11_3
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R11_4
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R12_1
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R12_2
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R12_3
RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	R12_4
RESISTOR WIRE WOUND 2R2 1W (AC4009)	R25
RES SMD 15K 1% 0805 METAL FILM AC5050	R23_1
RES SMD 15K 1% 0805 METAL FILM AC5050	R23_2
RES SMD 15K 1% 0805 METAL FILM AC5050	R23_3

RES SMD 15K 1% 0805 METAL FILM AC5050	R23_4
RESISTOR SMD1206 22R 1% (AC5599)	R14_1
RESISTOR SMD1206 22R 1% (AC5599)	R14_2
RESISTOR SMD1206 22R 1% (AC5599)	R14_3
RESISTOR SMD1206 22R 1% (AC5599)	R14_4
RESISTOR SMD1206 22R 1% (AC5599)	R9_1
RESISTOR SMD1206 22R 1% (AC5599)	R9_2
RESISTOR SMD1206 22R 1% (AC5599)	R9_3
RESISTOR SMD1206 22R 1% (AC5599)	R9_4
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R15_1
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R15_2
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R15_3
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R15_4
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R18_1
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R18_2
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R18_3
RES SMD TF 820R 0.5% 0805 MET (H1Y83QP) (AC6010)	R18_4
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R21_1
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R21_2
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R21_3
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R21_4
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R22_1
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R22_2
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R22_3
RES SMD TF 1K2 0.5% 0805 MET (H1Y83TR) (AC6012)	R22_4
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R6_1
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R6_2
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R6_3
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R6_4
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R7_1
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R7_2
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R7_3
RESISTOR METAL SMD 1206 4k7 1% (AC6828)	R7_4
TRANSISTOR PNP 2N4403 (AE0273)	Q1_1
TRANSISTOR PNP 2N4403 (AE0273)	Q1_2
TRANSISTOR PNP 2N4403 (AE0273)	Q1_3
TRANSISTOR PNP 2N4403 (AE0273)	Q1_4
TRANSISTOR PNP 2N4403 (AE0273)	Q2_1
TRANSISTOR PNP 2N4403 (AE0273)	Q2_2
TRANSISTOR PNP 2N4403 (AE0273)	Q2_3
TRANSISTOR PNP 2N4403 (AE0273)	Q2_4
TRANSISTOR SMD BC848B NPN (AE3332)	Q3_1
TRANSISTOR SMD BC848B NPN (AE3332)	Q3_2
TRANSISTOR SMD BC848B NPN (AE3332)	Q3_3
TRANSISTOR SMD BC848B NPN (AE3332)	Q3_4
TRANSISTOR SMD BC848B NPN (AE3332)	Q4_1
TRANSISTOR SMD BC848B NPN (AE3332)	Q4_2
TRANSISTOR SMD BC848B NPN (AE3332)	Q4_3
TRANSISTOR SMD BC848B NPN (AE3332)	Q4_4
DIODE SMD LL4148 SIGNAL (AE5343)	D1_1

DIODE SMD LL4148 SIGNAL (AE5343)	D1_2
DIODE SMD LL4148 SIGNAL (AE5343)	D1_3
DIODE SMD LL4148 SIGNAL (AE5343)	D1_4
DIODE SMD LL4148 SIGNAL (AE5343)	D2_1
DIODE SMD LL4148 SIGNAL (AE5343)	D2_2
DIODE SMD LL4148 SIGNAL (AE5343)	D2_3
DIODE SMD LL4148 SIGNAL (AE5343)	D2_4
IC SMD NJM8080G DUAL OP-AMP (AE9385)	U1_1
IC SMD NJM8080G DUAL OP-AMP (AE9385)	U1_2
IC SMD NJM8080G DUAL OP-AMP (AE9385)	U1_3
IC SMD NJM8080G DUAL OP-AMP (AE9385)	U1_4
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C1_1
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C1_2
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C1_3
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C1_4
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C7_1
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C7_2
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C7_3
CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	C7_4
CAPACITOR POLYESTER 330NF 50V 10% (AF0616)	C9_1
CAPACITOR POLYESTER 330NF 50V 10% (AF0616)	C9_2
CAPACITOR POLYESTER 330NF 50V 10% (AF0616)	C9_3
CAPACITOR POLYESTER 330NF 50V 10% (AF0616)	C9_4
CAPACITOR ELECTROLYTIC 330uF 10V (AF2288)	C2_1
CAPACITOR ELECTROLYTIC 330uF 10V (AF2288)	C2_2
CAPACITOR ELECTROLYTIC 330uF 10V (AF2288)	C2_3
CAPACITOR ELECTROLYTIC 330uF 10V (AF2288)	C2_4
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C14
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C16
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C18
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C20
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C21
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C24
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C25
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C27
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C30
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C32
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C33
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C35
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CAPACITOR CERAMIC SMD0805 470P (AF2848)	C40
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C41
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C44
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C46
CAPACITOR CERAMIC SMD0805 470P (AF2848)	C48
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C3_1
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C3_2
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C3_3
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C3_4
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C6_1

CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C6_2
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C6_3
CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	C6_4
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C11_1
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C11_2
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C11_3
CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	C11_4
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C8_1
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C8_2
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C8_3
CAPACITOR CERAMIC SMD0805 22P (AF2992)	C8_4
CAPACITOR ELECTROLYTIC 2200uF 16V LESR (AF3566)	C12
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C10_1
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C10_2
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C10_3
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C10_4
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C5_1
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C5_2
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C5_3
CAPACITOR CERAMIC SMD0805 33P (AF4887)	C5_4
CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	C4_1
CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	C4_2
CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	C4_3
CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	C4_4
Connector BOX,Molex Type 0.1" Pitch 13x2 pins (AL3591)	CN16
RJ45_CON (AL4486)	CN12
RCA PHONO QUAD 2H2V GP (TREMIVER PS-3205) (AL4977)	CN3
RCA PHONO QUAD 2H2V GP (TREMIVER PS-3205) (AL4977)	CN4
Connector BOX,Molex Type 0.1" Pitch 25x2 pins (AL5563)	CN17
JUMP 2 OPTION LINK (AL8068)	JP1_1
JUMP 2 OPTION LINK (AL8068)	JP1_2
JUMP 2 OPTION LINK (AL8068)	JP1_3
JUMP 2 OPTION LINK (AL8068)	JP1_4
Connector IDC,Molex Type 0.1" Pitch 10x2 pins 9.5mm SPACER	CN15
Connector IDC,Molex Type 0.1" Pitch 10x2 pins 9.5mm SPACER	CN18
Connector 3 Pin Power 12A	CN1
Connector 3 Pin Power 12A	CN2
Connector 3 Pin Power 12A	CN7
Connector 3 Pin Power 12A	CN8
Connector 3 Pin Power 12A	CN9
Connector 4 Pin Power 12A	CN10
Connector 4 Pin Power 12A	CN11
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L1
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L2
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L3
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L4
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L5
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L6
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L7
INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L8

INDUCTOR TDK 51UH ACT 45B-510-2P Common Mode 0.2A (AM6624)	L9
CAPACITOR CERAMIC SMD0805 NOT FITTED	C13
CAPACITOR CERAMIC SMD0805 NOT FITTED	C15
CAPACITOR CERAMIC SMD0805 NOT FITTED	C17
CAPACITOR CERAMIC SMD0805 NOT FITTED	C19
CAPACITOR CERAMIC SMD0805 NOT FITTED	C22
CAPACITOR CERAMIC SMD0805 NOT FITTED	C23
CAPACITOR CERAMIC SMD0805 NOT FITTED	C26
CAPACITOR CERAMIC SMD0805 NOT FITTED	C28
CAPACITOR CERAMIC SMD0805 NOT FITTED	C29
CAPACITOR CERAMIC SMD0805 NOT FITTED	C31
CAPACITOR CERAMIC SMD0805 NOT FITTED	C34
CAPACITOR CERAMIC SMD0805 NOT FITTED	C36
CAPACITOR CERAMIC SMD0805 NOT FITTED	C37
CAPACITOR CERAMIC SMD0805 NOT FITTED	C39
CAPACITOR CERAMIC SMD0805 NOT FITTED	C42
CAPACITOR CERAMIC SMD0805 NOT FITTED	C43
CAPACITOR CERAMIC SMD0805 NOT FITTED	C45
CAPACITOR CERAMIC SMD0805 NOT FITTED	C47
SMD FIDUCIAL	FID1
SMD FIDUCIAL	FID2
RESISTOR SMD NOT FITTED 0805	R26
RESISTOR SMD NOT FITTED 0805	R27