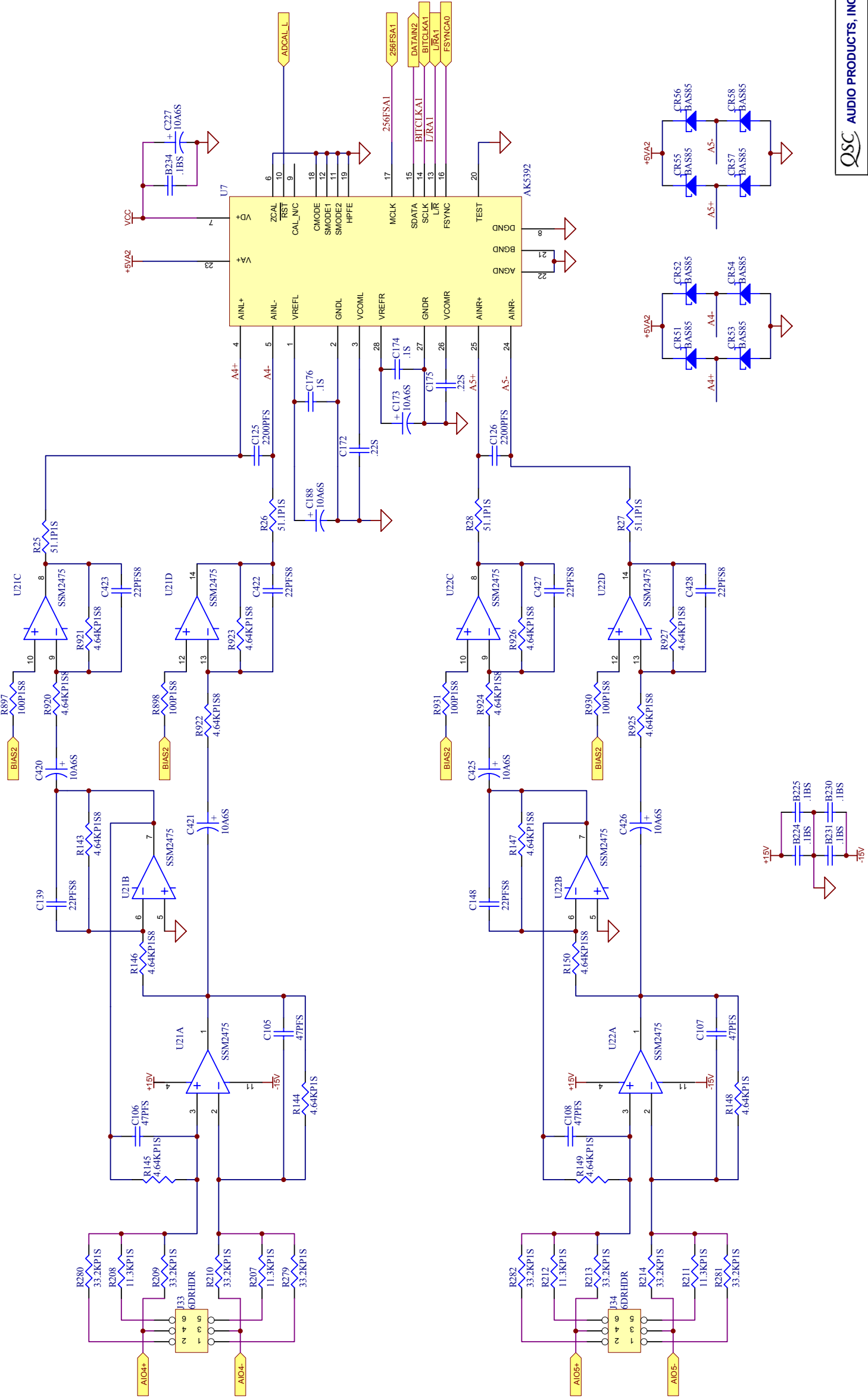
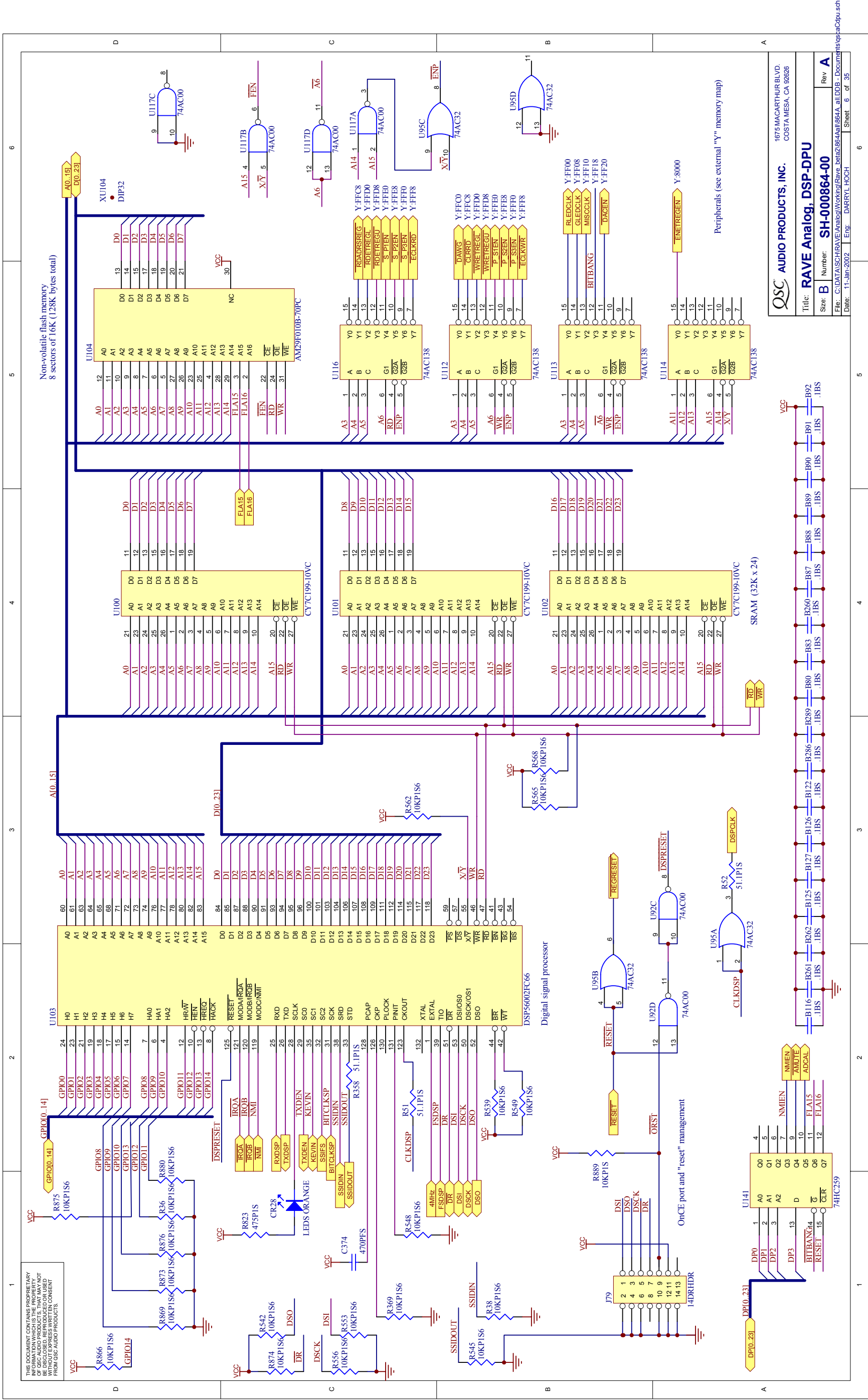


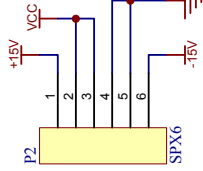
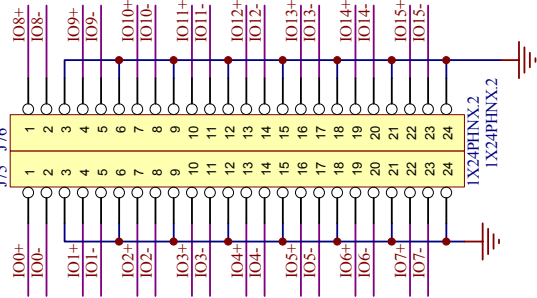
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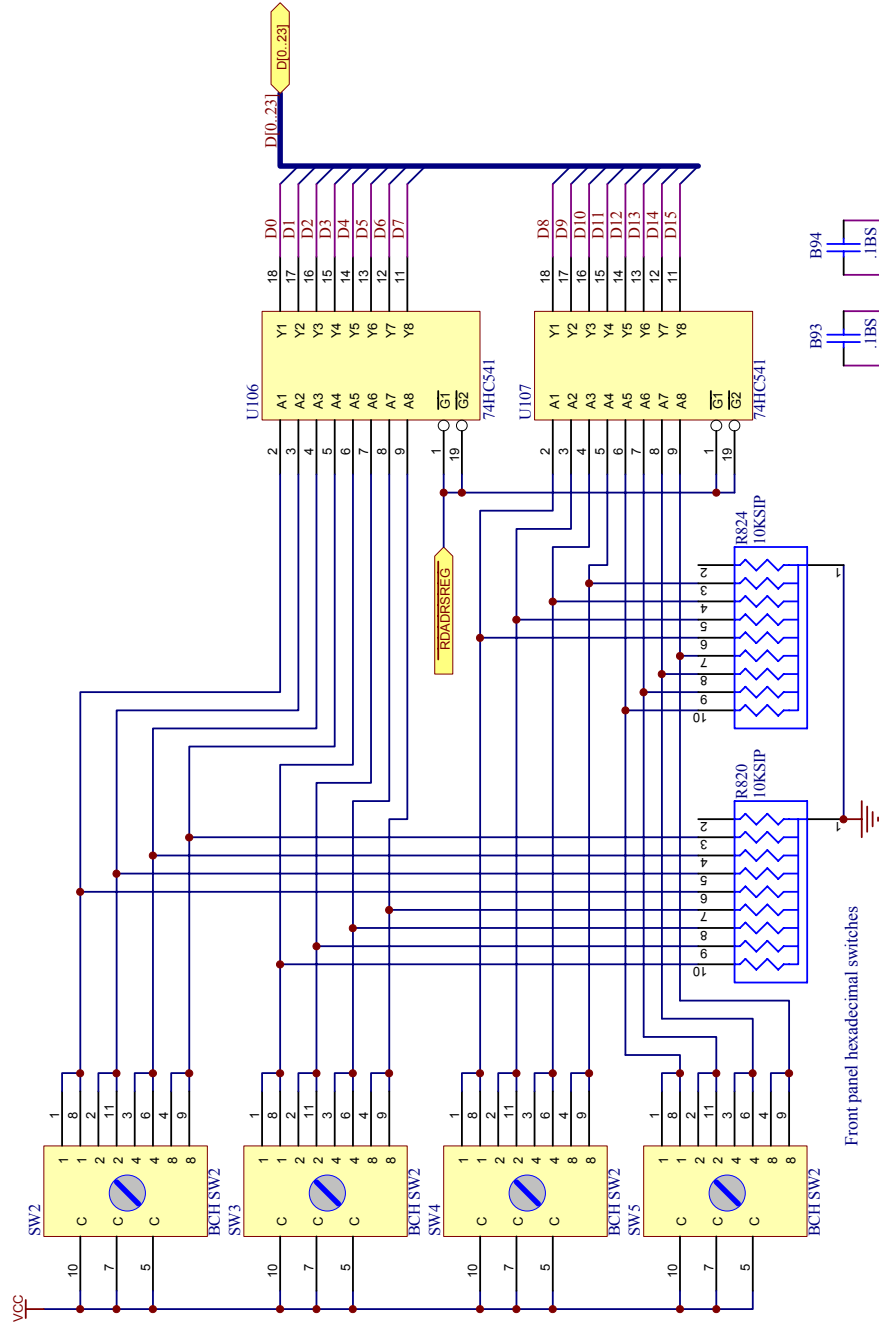
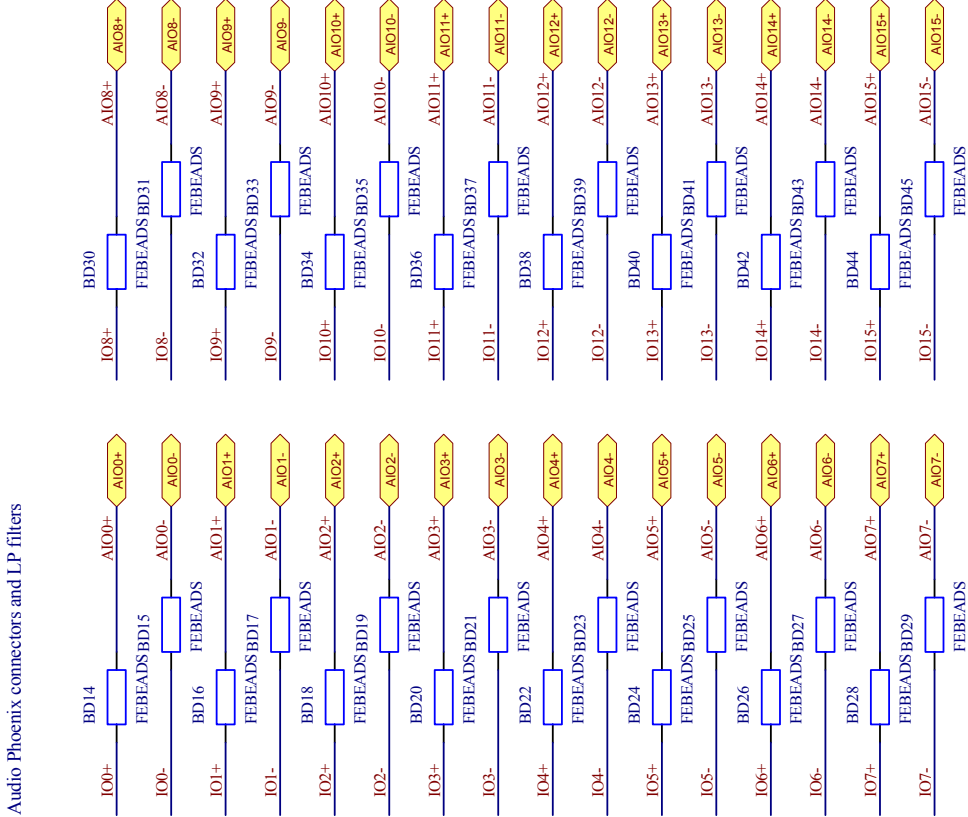
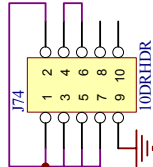
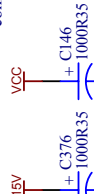
		AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog Inputs # 4-5					
Size: B	Number: SH-000864-00	Rev A			
File: C:\DATA\SH\RAVE\Analog\Working\RAVE_beta2\864\Aall\864A_all.DDB - Documents\qsc\ra45.sch					
Date: 11-Jan-2002	Eng: DARRYL HOCH	Sheet: 2	of 35		



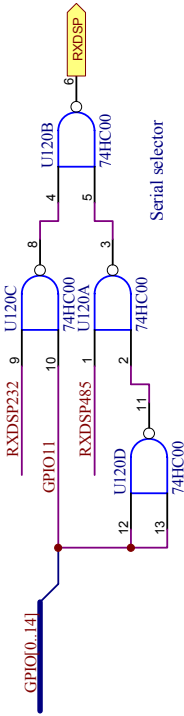
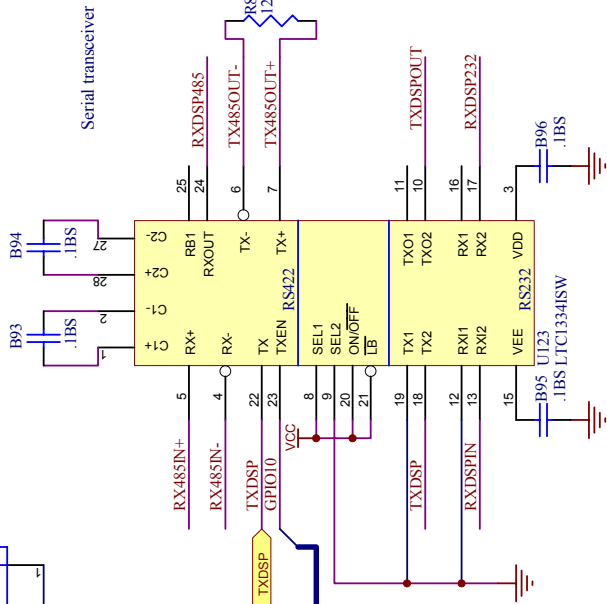
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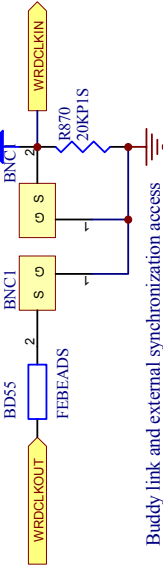
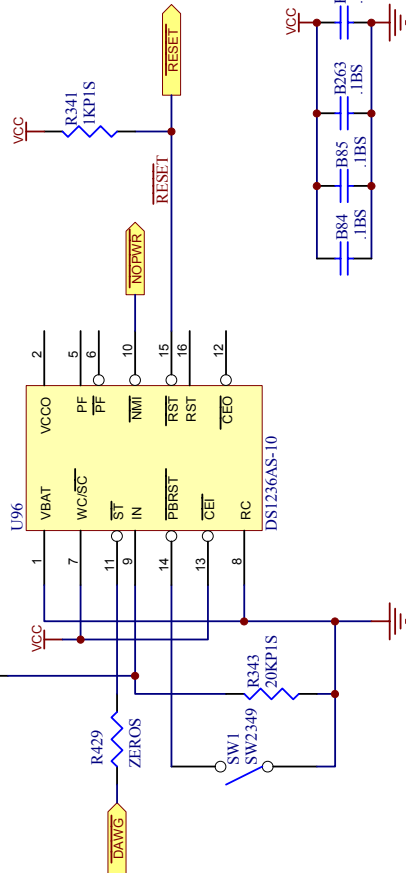
Board P/S connector and caps



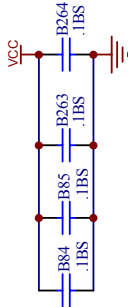
Front panel hexadecimal switches



Serial selector

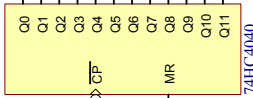


Buddy link and external synchronization access



 AUDIO PRODUCTS, INC. 1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog, Connectors	
Size: B	Number: SH-000864-00
Date: C:\DATA\SCHRAVE\Analog\Working\Hoch bala21864\Aui1864A	all DDB - Document
File: 11-Jan-2002	Eng: DARRYL HOCH
Sheet	of 35

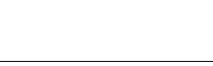
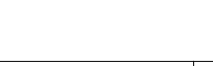
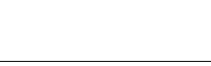
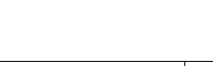
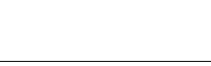
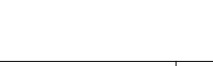
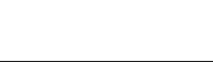
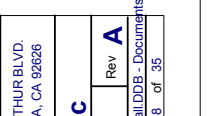
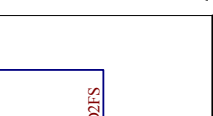
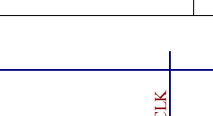
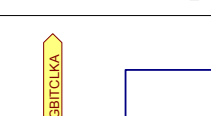
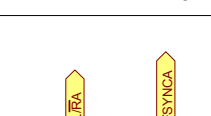
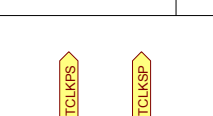
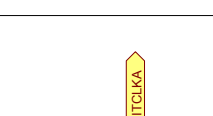
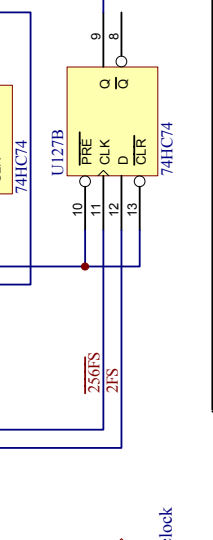
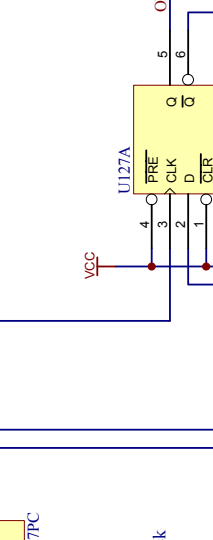
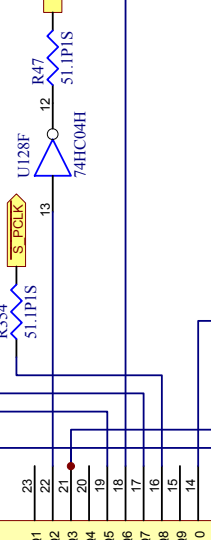
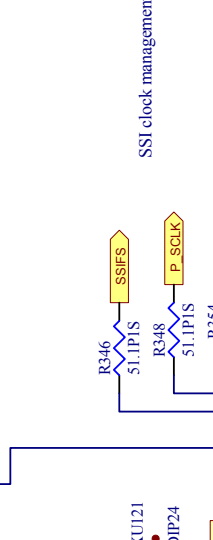
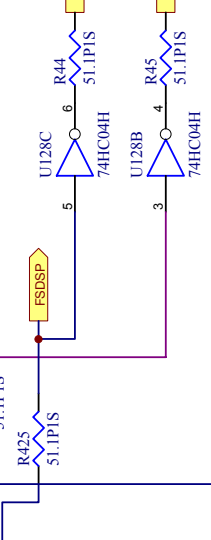
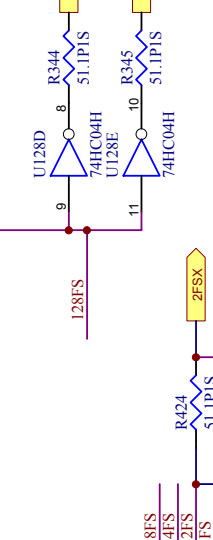
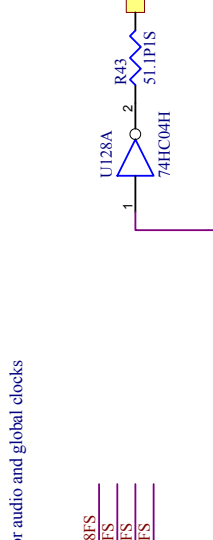
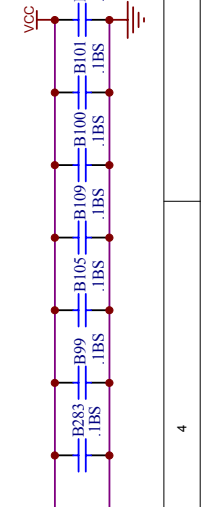
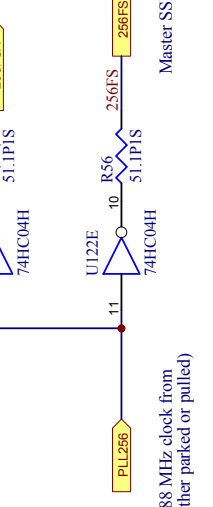
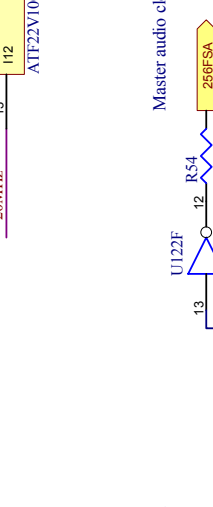
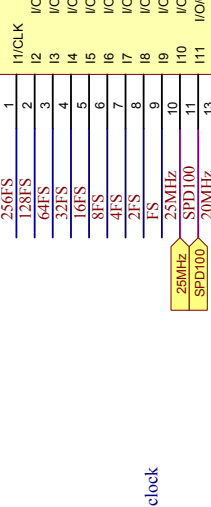
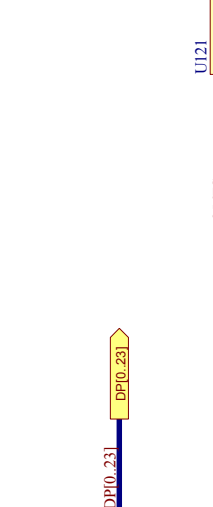
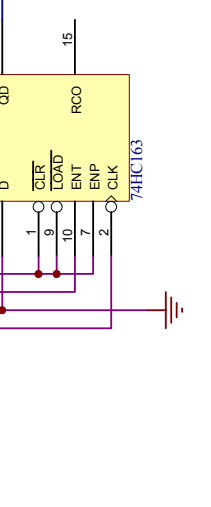
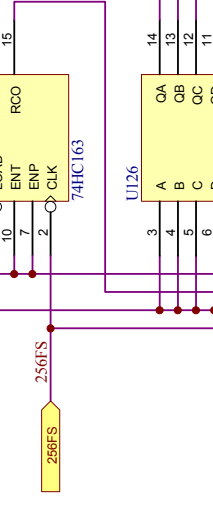
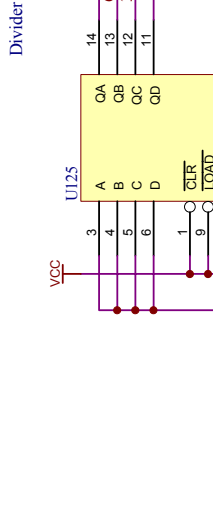
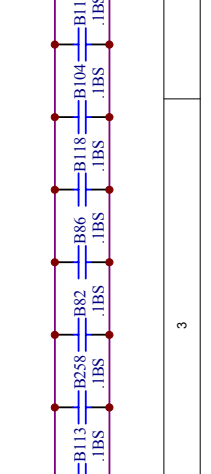
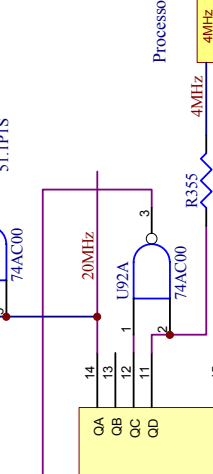
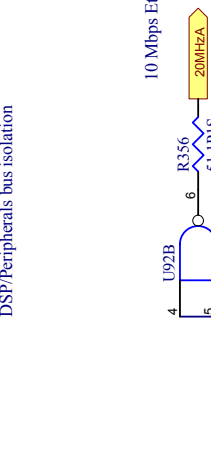
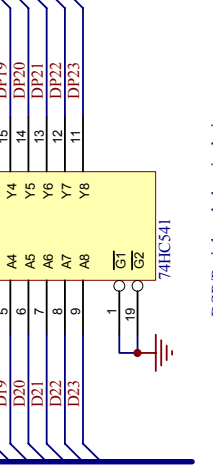
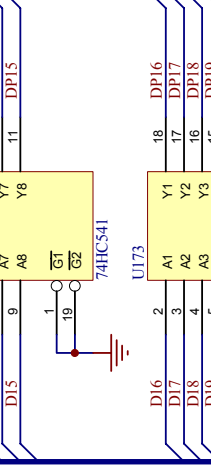
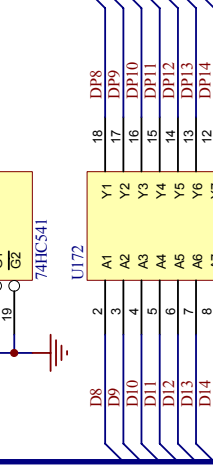
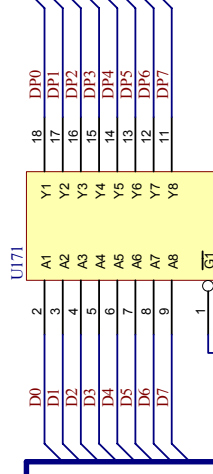
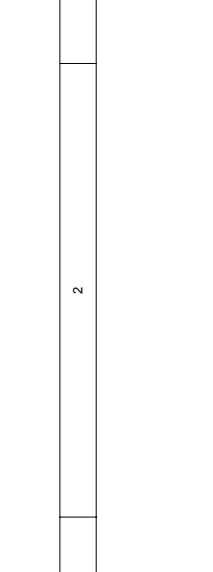
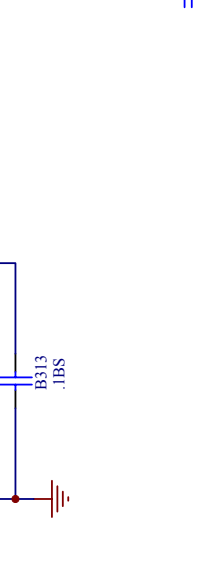
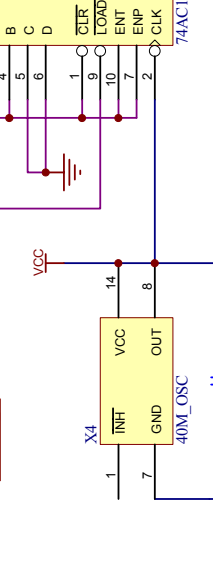
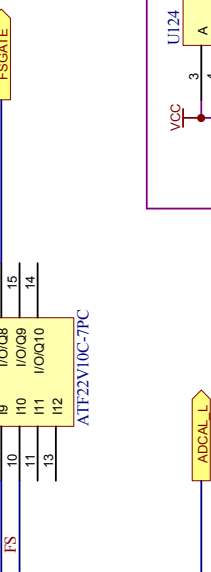
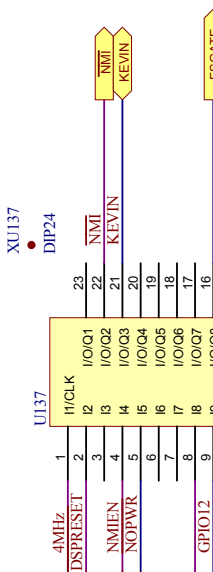
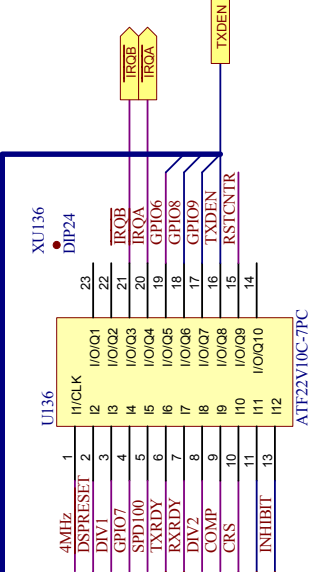
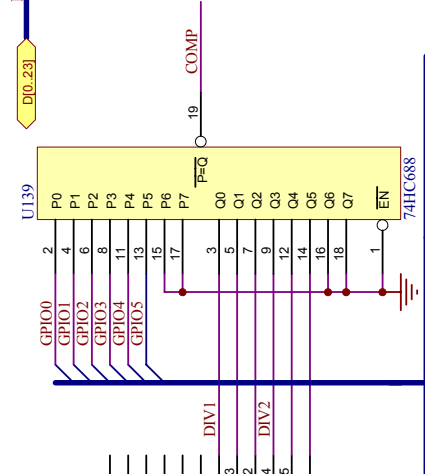
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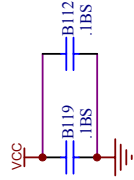
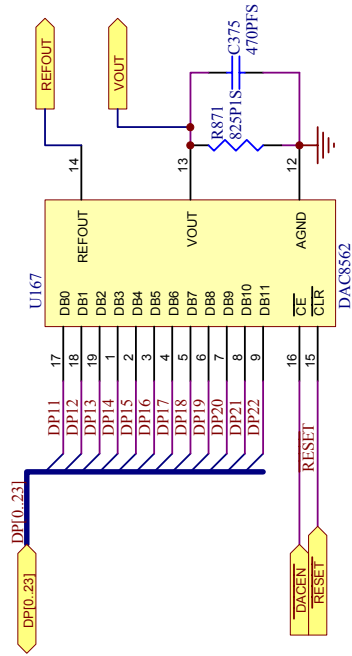
U136= Ethernet "read", "write", control and status enable, and OP timer control

U137= "conductor" clock source, External synch, and Buddy link

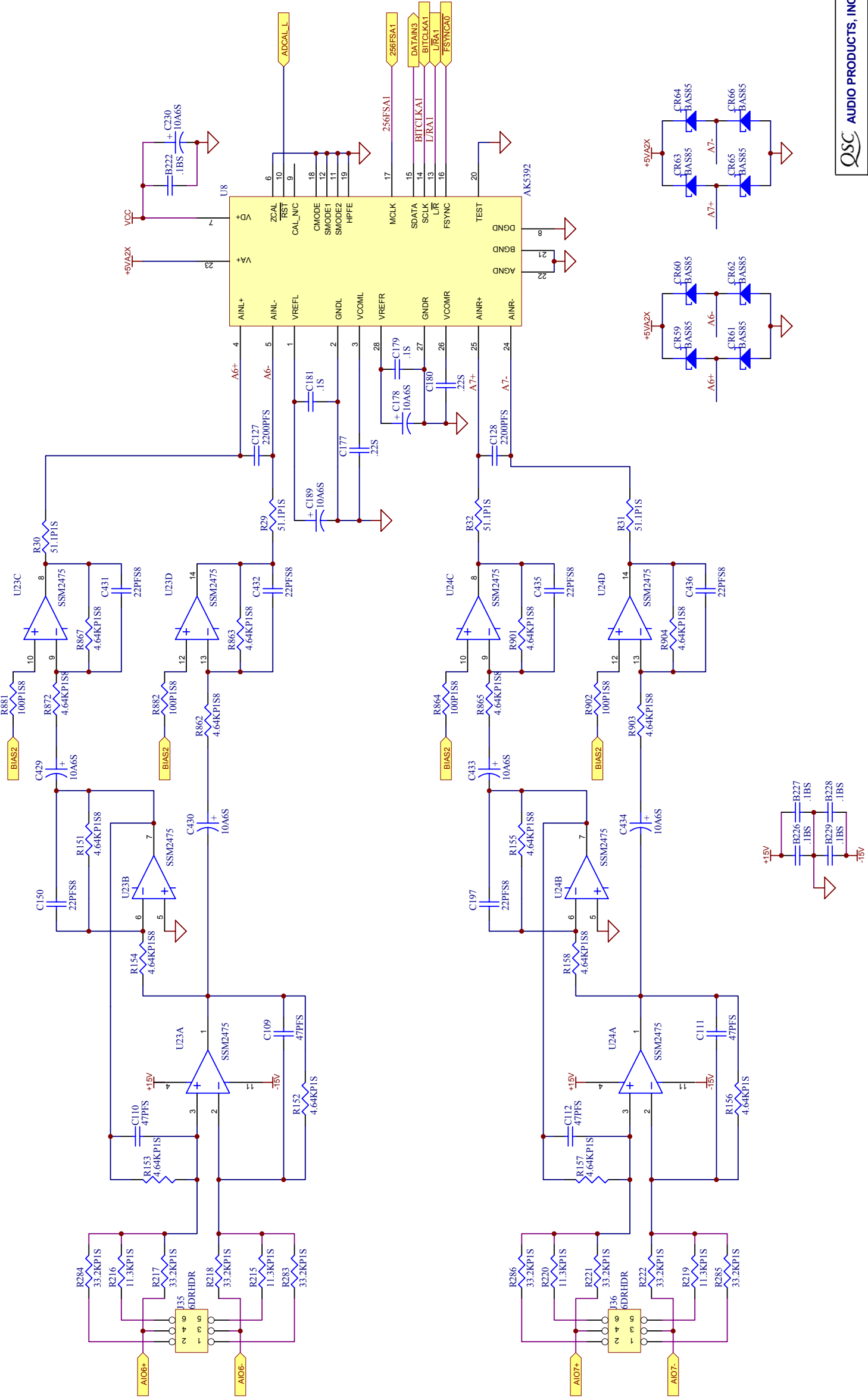
Audio converter calibration enable



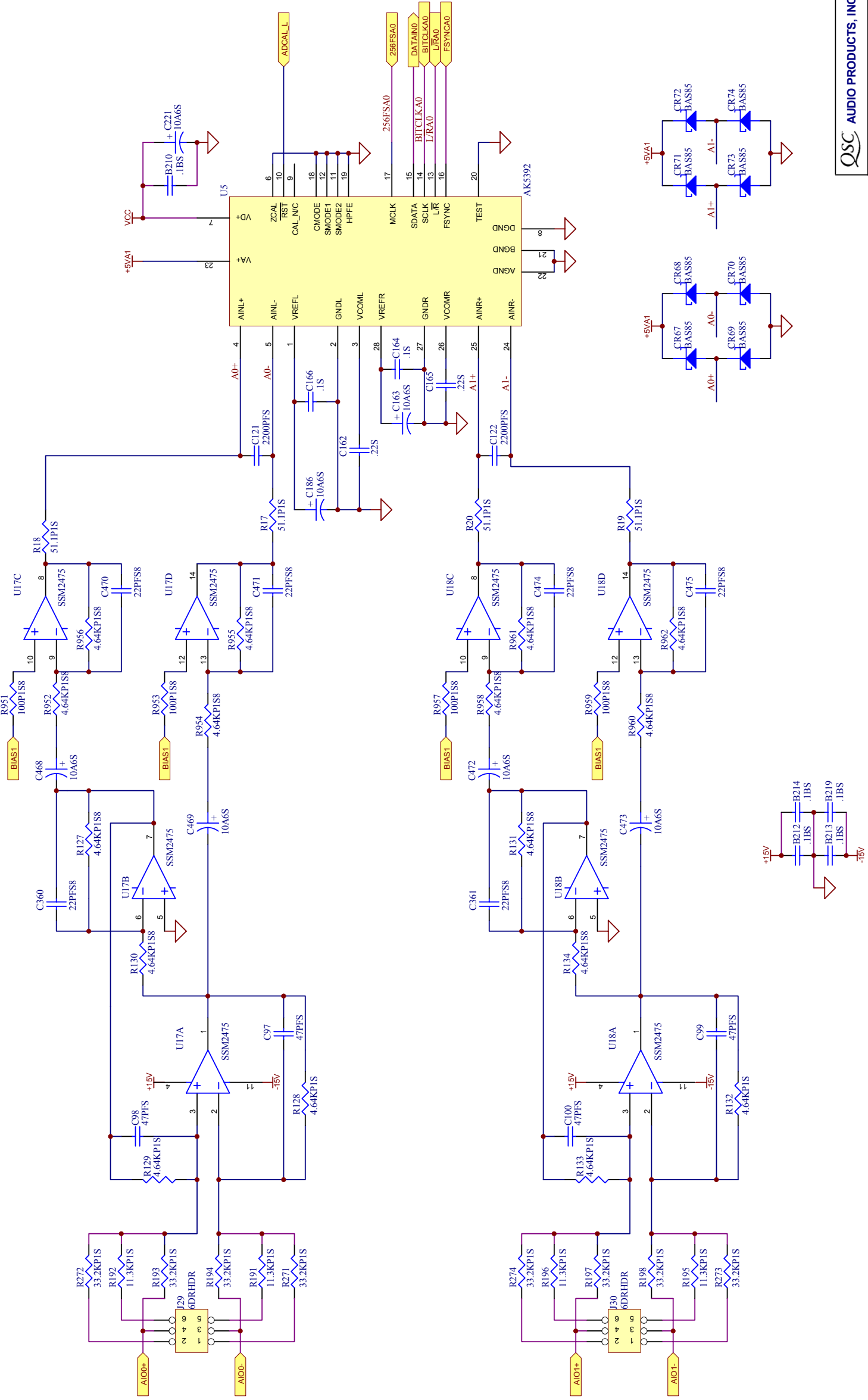
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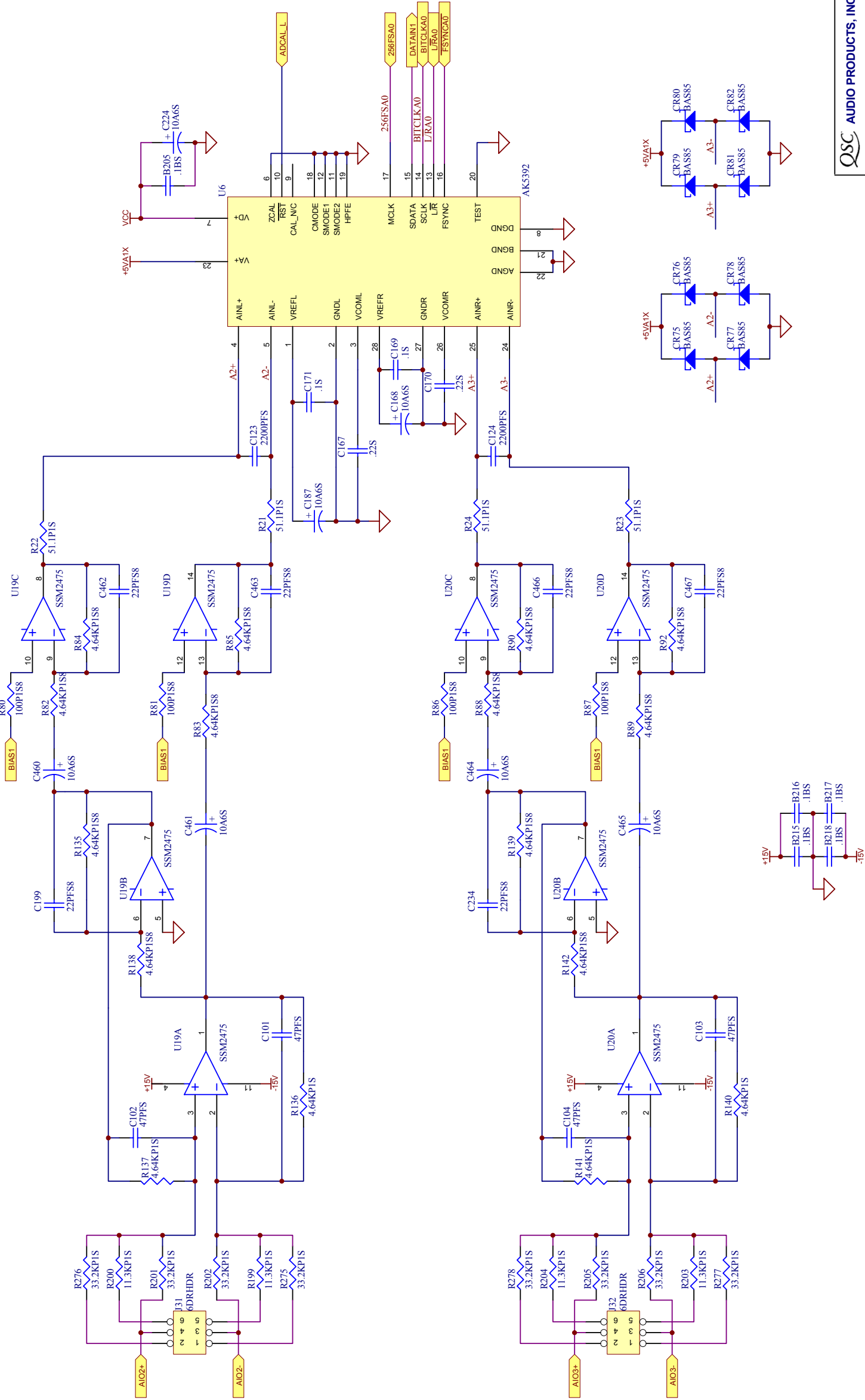
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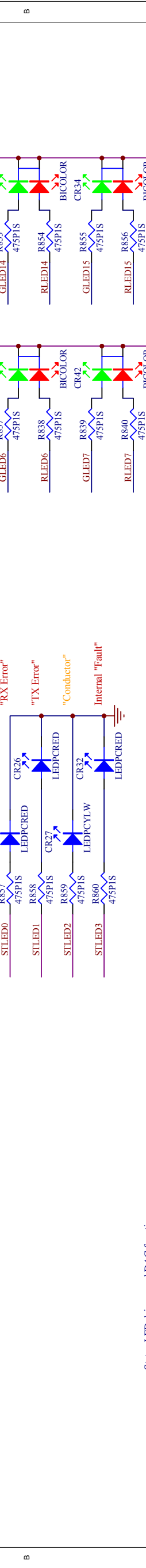
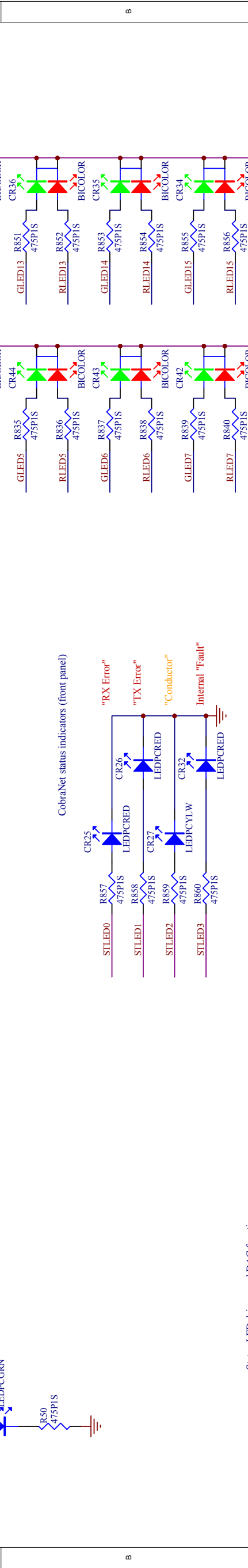
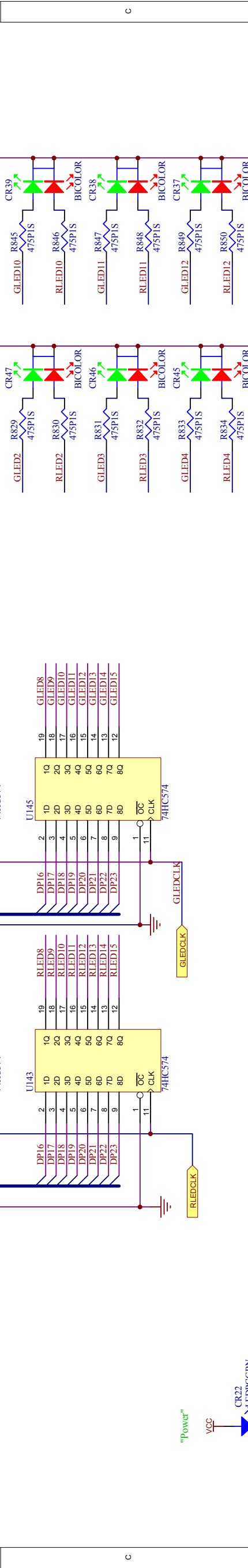
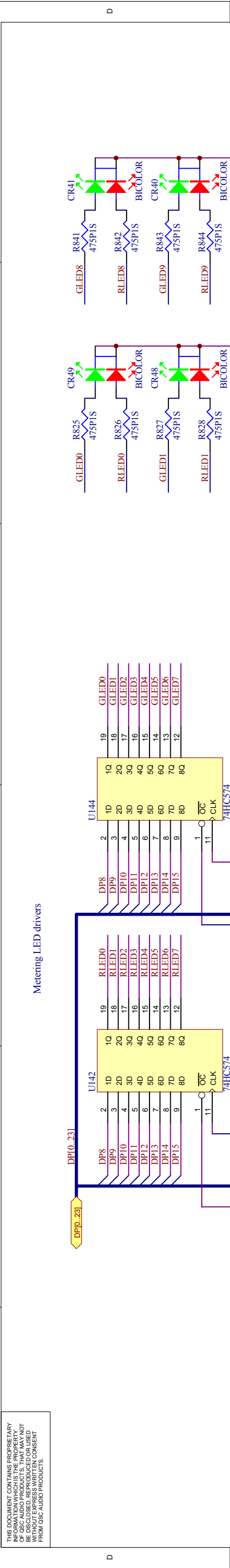
QSC AUDIO PRODUCTS, INC. 1675 MACARTHUR BLVD. COSTA MESA, CA 92626

Title: RAVE Analog Inputs # 2-3

Size: B Number: SH-000864-00 Rev: A

File: C:\DATA\SHRAVE\Analog\Work\rave_beta2\864\all\864A_all.DDB - Documents\qsc\all.sch

Date: 11-Jan-2002 Eng: DARRYL HOCH Sheet 15 of 35



Status LED drivers and DAC functions
 (relay and mute control)

DP10_231

U146

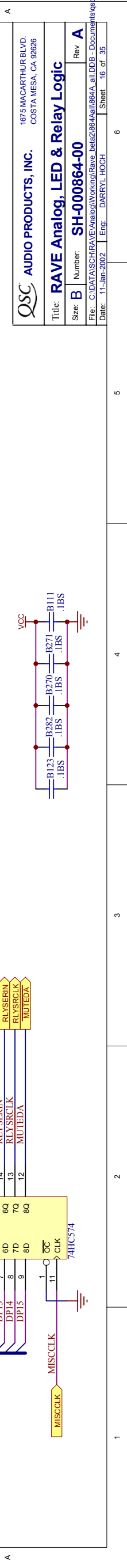
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DP9	3	1D	18	STLED1
DP10	4	2Q	17	STLED2
DP11	5	3Q	16	STLED3
DP12	6	4Q	15	RLYCLK
DP13	7	5Q	14	RLYSERIN

RLYCLK

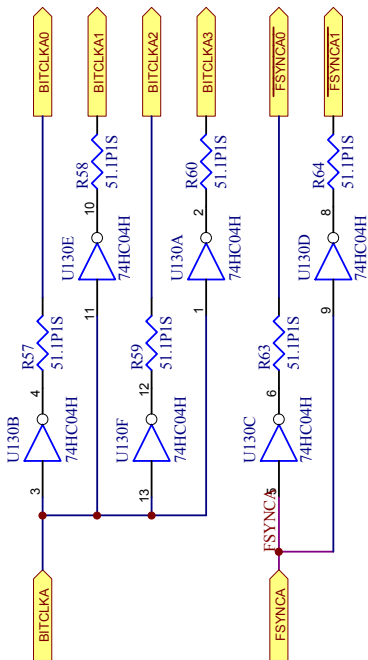
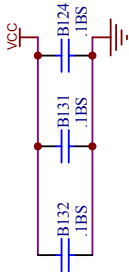
Metering, error code and version display LEDs (tri-color)

BICOLOR

BICOLOR

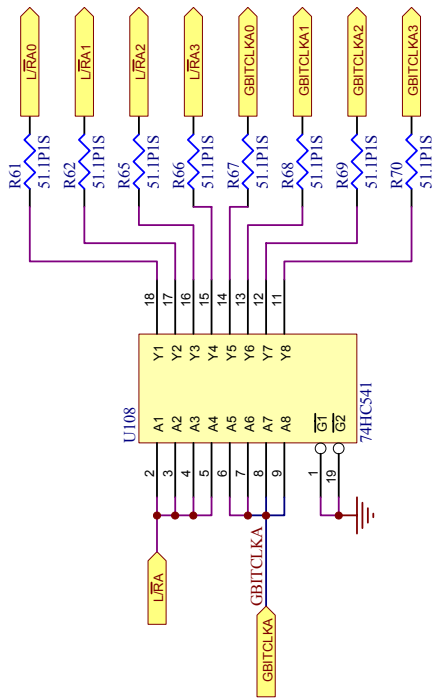


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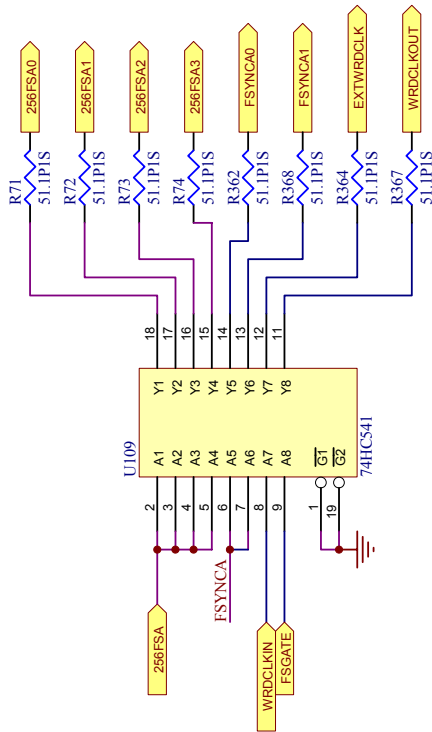
Independent "bit clocks" for audio converters (128FS)

Inverted "frame synch" control for multiplexing two converters onto each SSI stream (2FS)



Independent "L/R" clocks for audio converters (FS)

Independent gated "bit clocks" for even numbered DACs (128FS)



Independent "master" clocks for audio converters (256Fs)

"Frame synch" control for multiplexing two converters onto each SSI stream (2FS)

External word clock from BNC input
(750 Hz to FS)

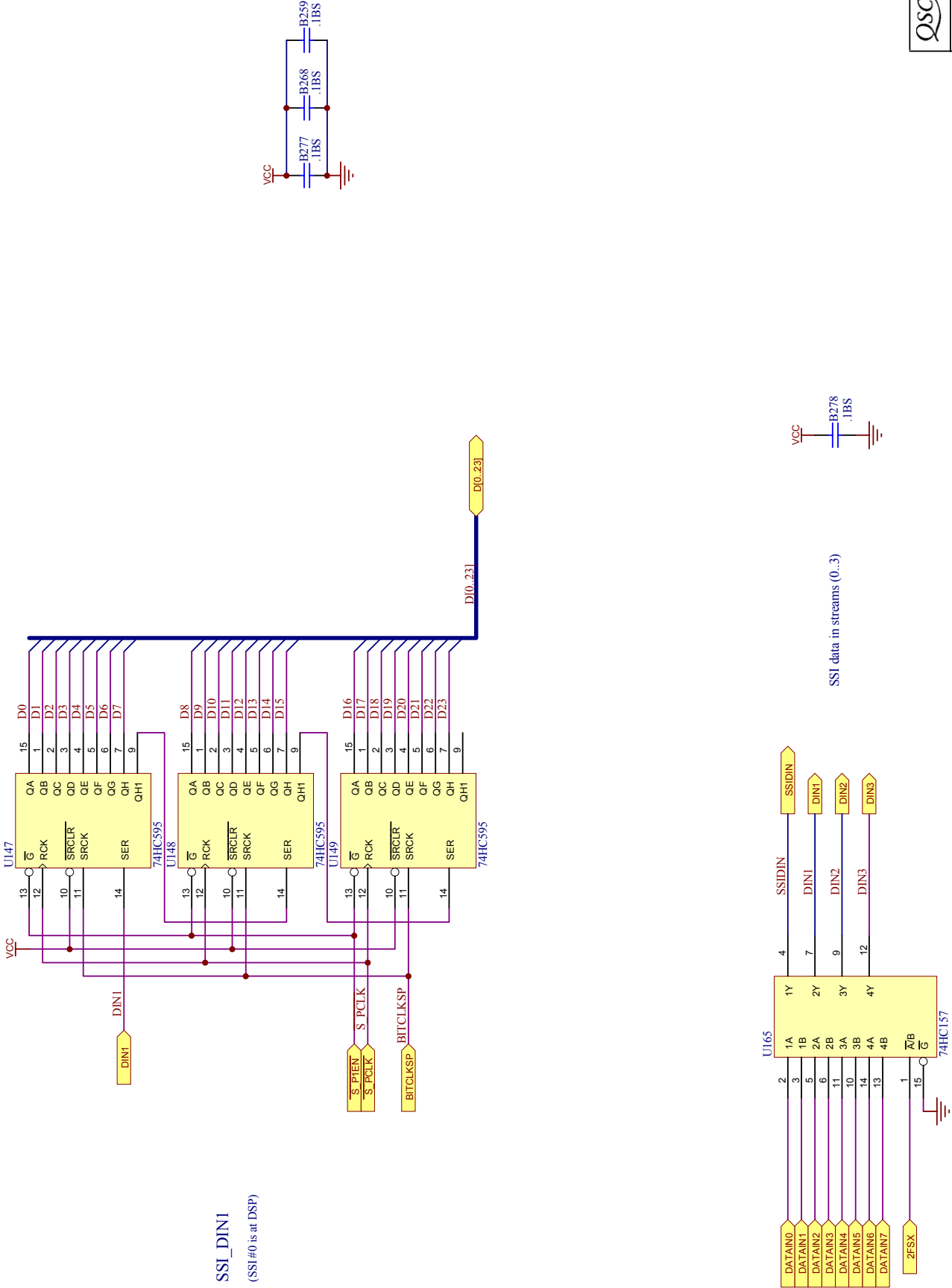
Word clock to drive BNC output (Buddy Link and synchronization driver) (FS)

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24-bit serial audio from ADCs (U7 and U8) to DSP data bus

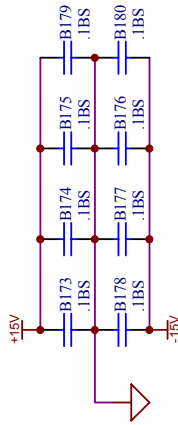
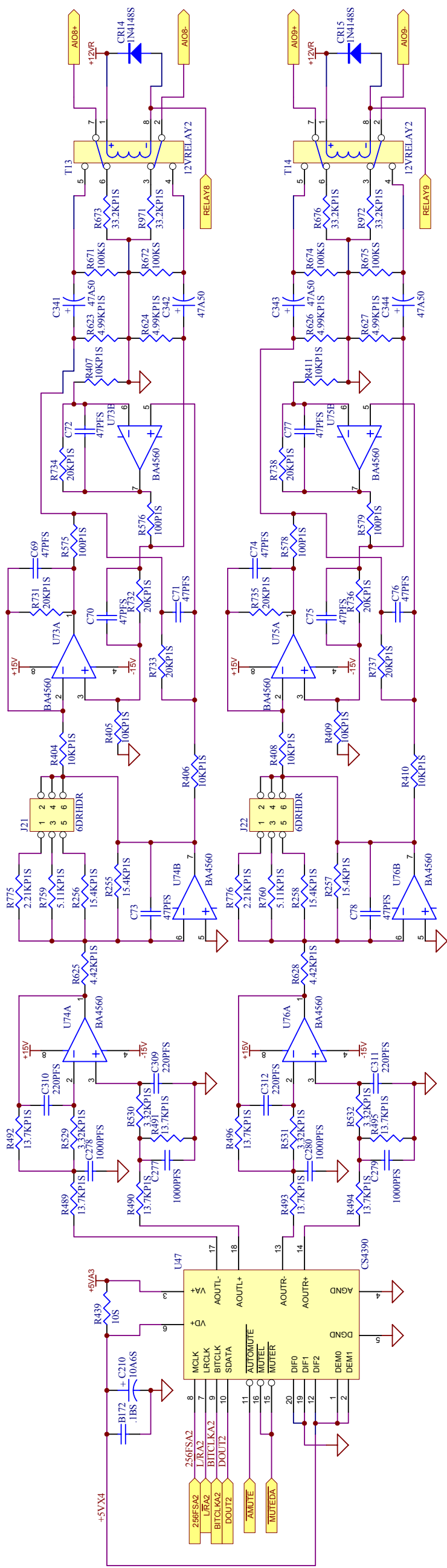
SSI_DIN1
(SSI #0 is at DSP)

Serial data (SDATA) outputs from ADCs



QSC AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog Input Multiplexer #0			
Size: B	Number: SH-000864-00	Rev A	
Date: 11-Jan-2002	Eng: DARRYL HOCH	File: C:\DATA\SCHRAVE\Analog\Working\rave_beta2\864\all\864A_all.DDB - Documents\qsc\atCmnu.sch	
		Sheet 18 of 35	

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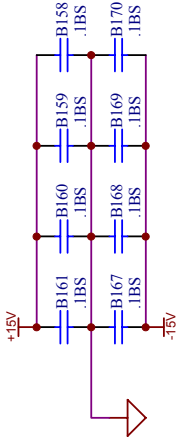
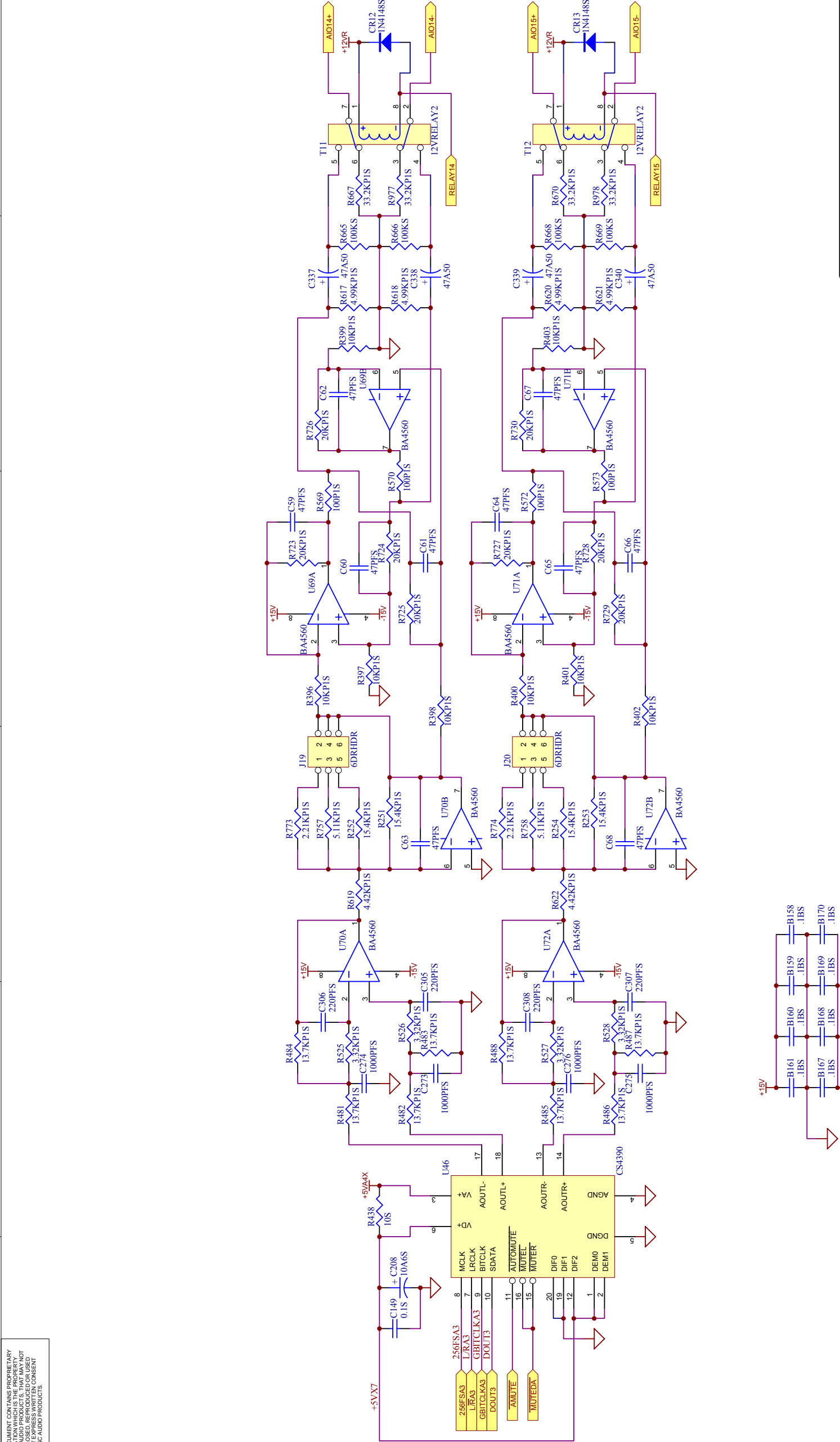
QSC
AUDIO PRODUCTS, INC.
1675 MACARTHUR BLVD.
COSTA MESA, CA 92626

Title: RAVE Analog, Outputs #8-9

Size: **B** Number: **SH-000864-00** Rev **A**

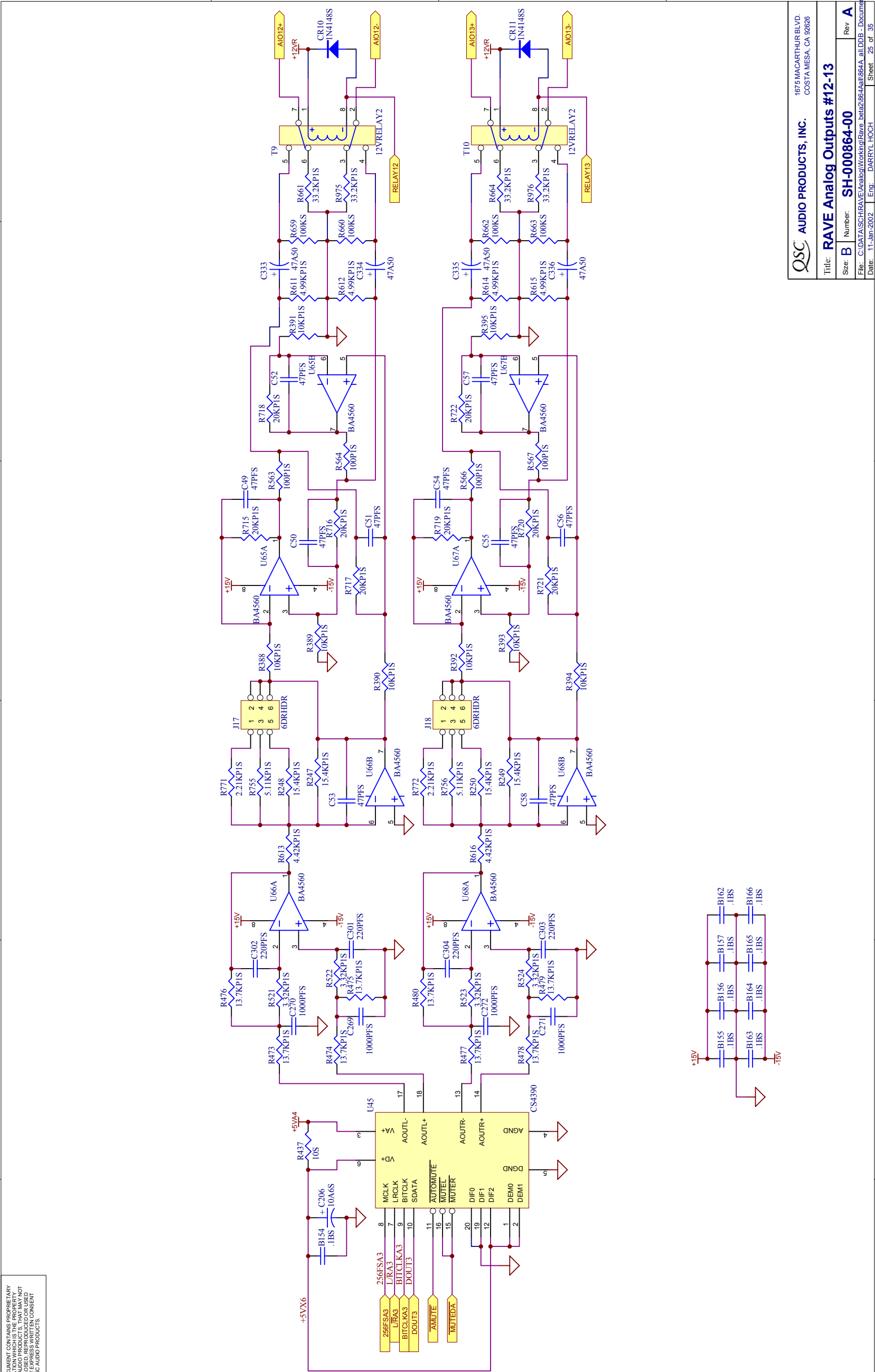
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 AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog Outputs #14-15			
Size: B	Number: SH-000864-00	Rev A	
File: C:\DATA\SH\RAVE\Analog\Working\RAVE_bela2\864\Aa1864A_all.DDB - Document			
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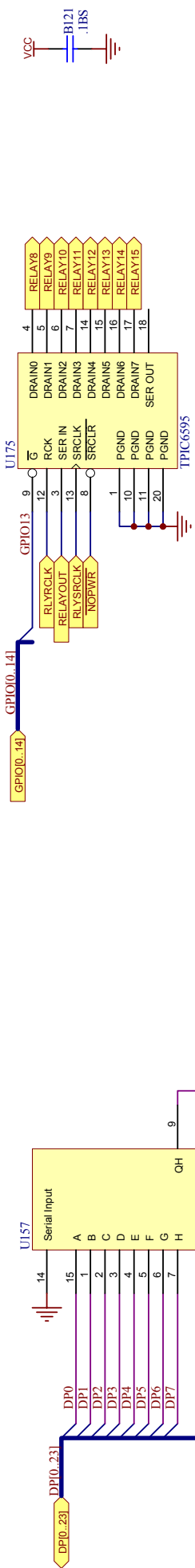


QSC AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626
Title: RAVE Analog Outputs #12-13		
Size: B	Number: SH-000864-00	Rev: A
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Date: 11-Jan-2002	Eng: DARRYL HOCH	Sheet 25 of 35

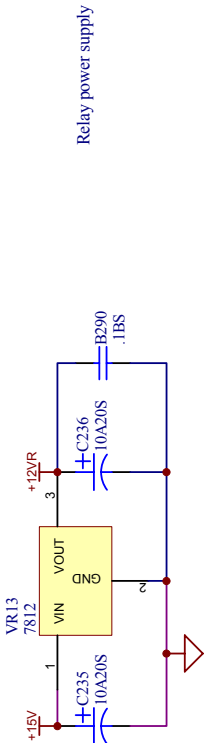
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24-bit audio from DSP to serial data in at DACs (U43 and U44)

Output relay drivers (bank 2)



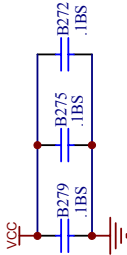
SSI_DOUT1
(SSI #0 is at DSP)

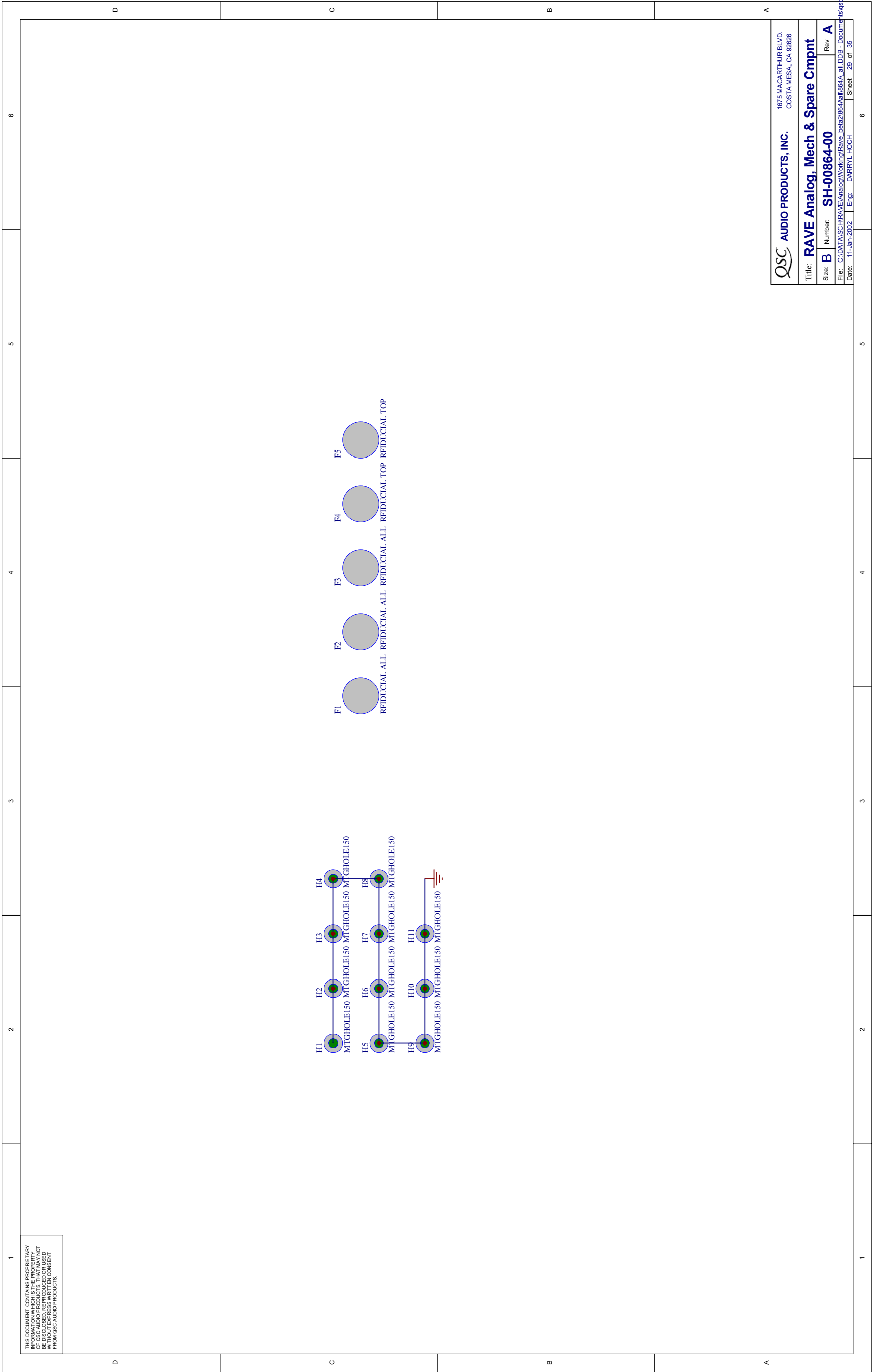


Bridge for single +5 V source for DACs (U47 and U48)

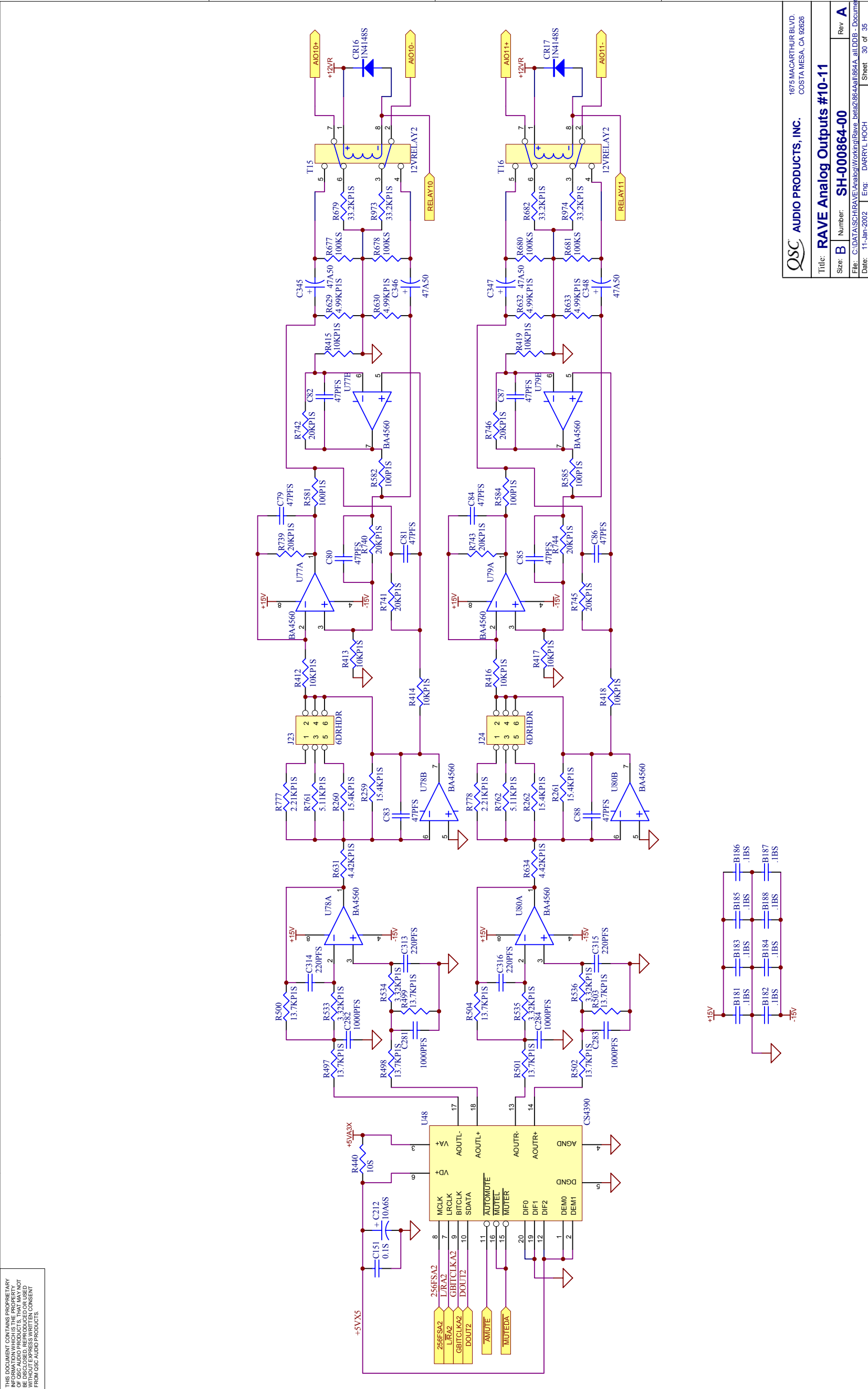


Bridge for single +5 V source for DACs (U45 and U46)



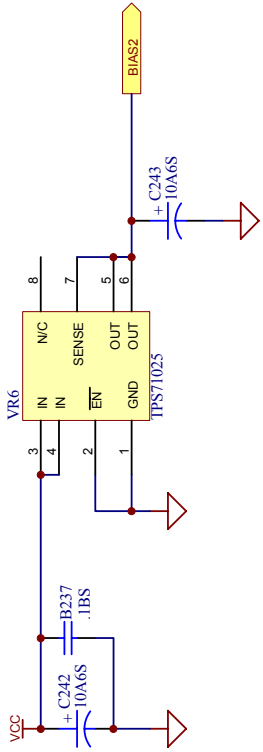
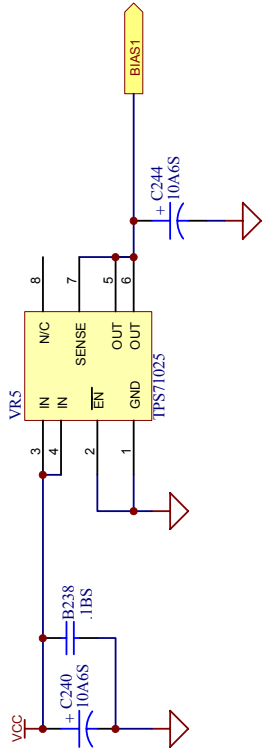


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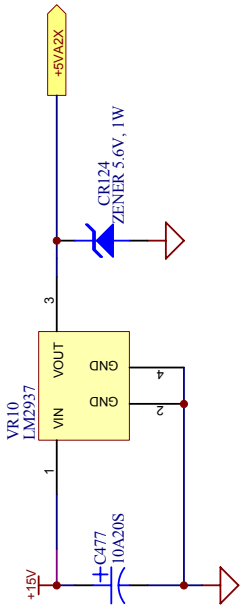
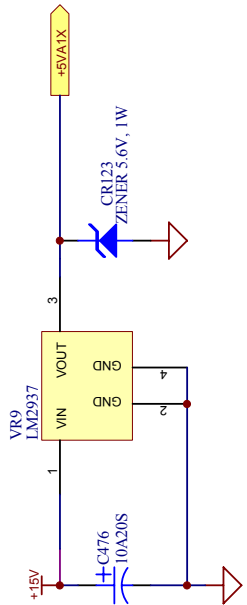


QSC AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog Outputs #10-11			
Size: B	Number: SH-000864-00	Rev A	
File: C:\DATA\SH\RAVE\Analog\Working\RAVE_bat10-11\864A_all.DDB - Documents\qa-Cas5.sch			
Date: 11-Jan-2002	Eng: DARRYL HOCH	Sheet	30 of 35

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SSI swap for RAVE 188s-24
(Channel 1 output goes to PCB output 9)

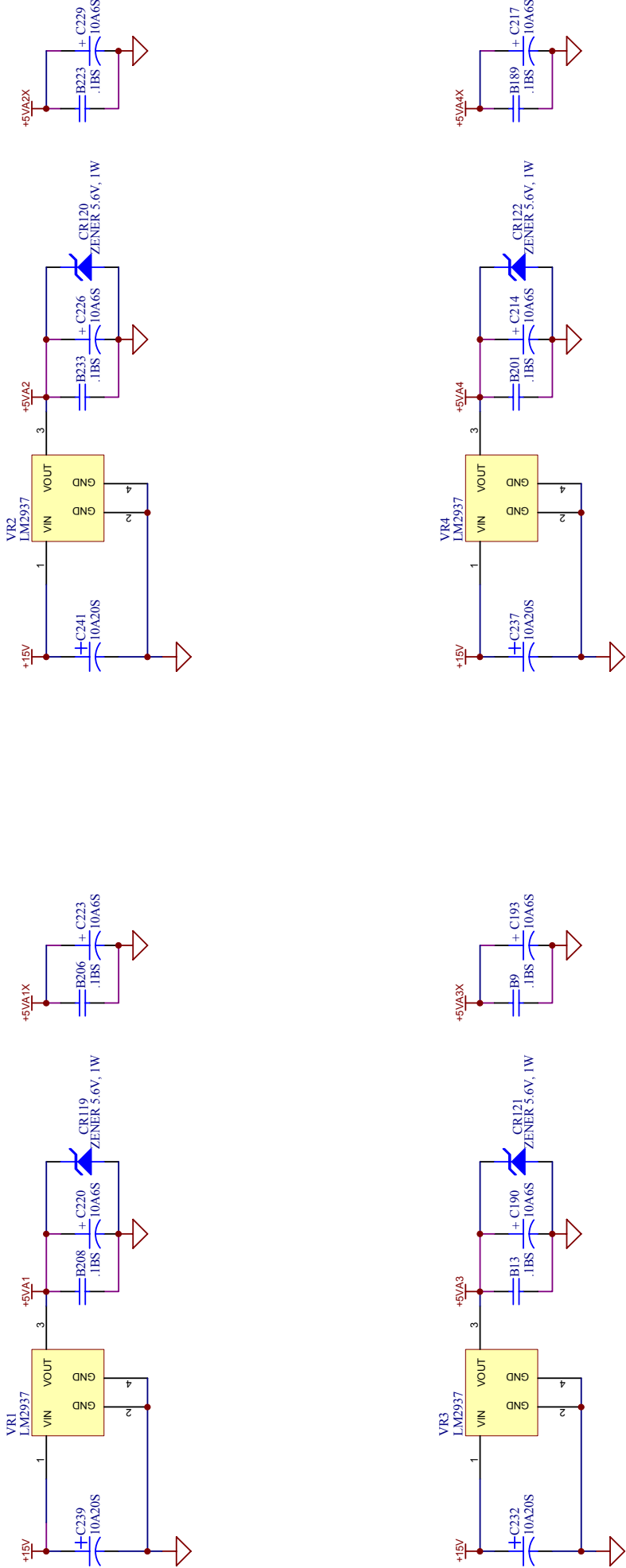


SSI swap for RAVE 188s-24
(Channel 5 output goes to PCB output 13)

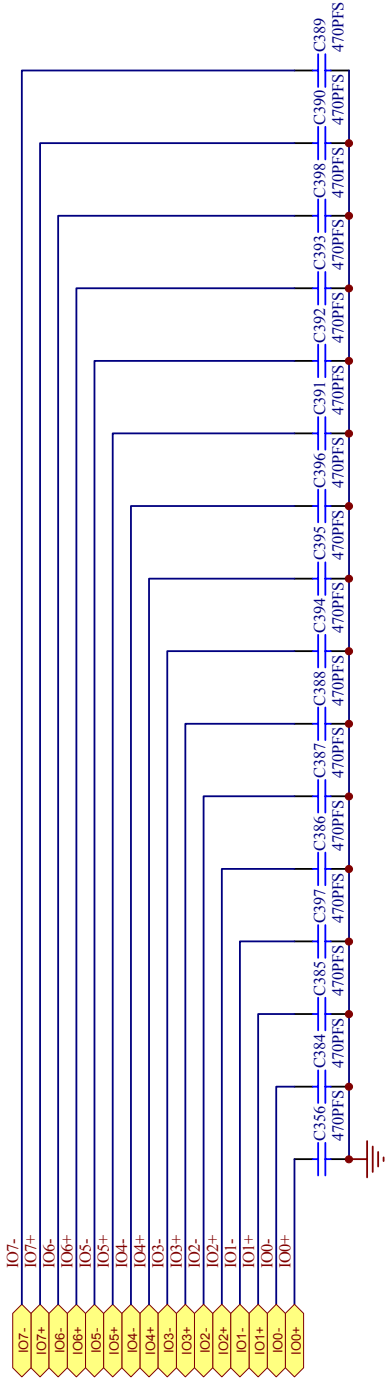


QSC AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog, +2.5V Voltage Reg			
Size: B	Number: SH-000864-00	Rev A	
File: C:\DATA\SCH\RAVE\Analog\Working\RAVE_beta2\864\All\864A_all.DDB - Documents\qsa\avr2.sch			
Date: 11-Jan-2002	Eng: DARRYL HOCH	Sheet 32 of 35	

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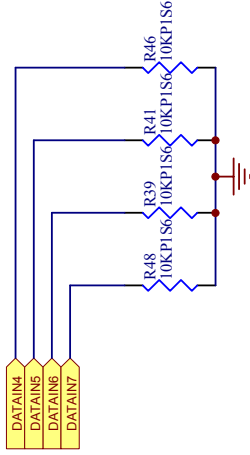


 AUDIO PRODUCTS, INC.		1675 MACARTHUR BLVD. COSTA MESA, CA 92626	
Title: RAVE Analog, +5V Voltage Reg			
Size: B	Number: SH-000864-00	Rev A	
File: C:\DATA\SHRAVE\Analog\Working\rave_beta2\64\all\B64A_all.DDB - Documents\qsa\atCvp.sch			
Date: 11-Jan-2002	Eng: DARRYL HOCH	Sheet	33 of 35

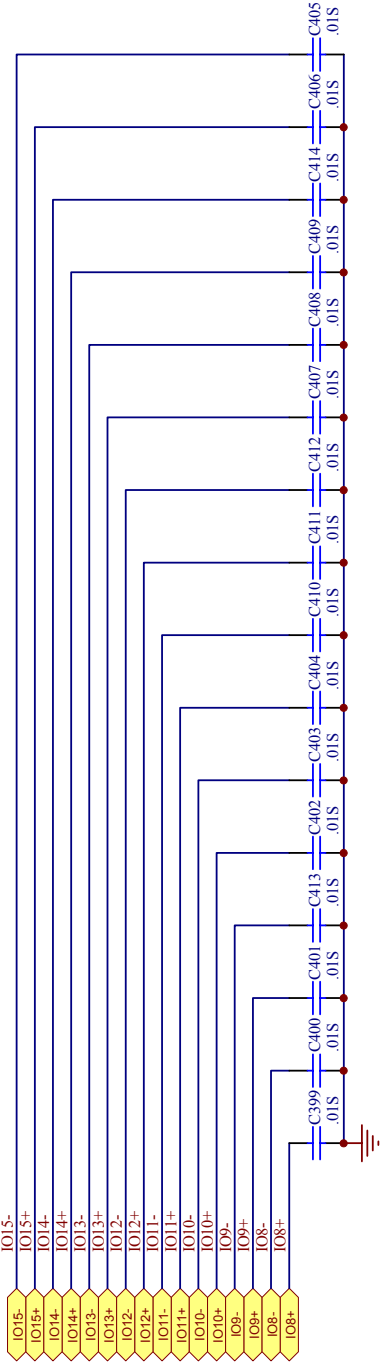


Bank 2 relay driver becomes bank 1 on RAVE 188s-24

R49 bypasses relay drive daisy chain on bank 1



Audio multiplexer's input pulldowns.
Terminates serial data outputs when
ADCs U1 through U4 are not stuffed



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