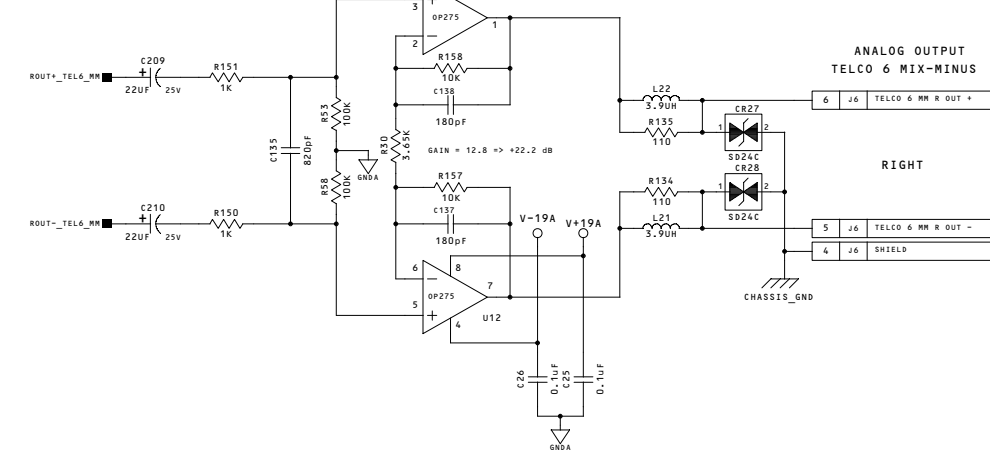
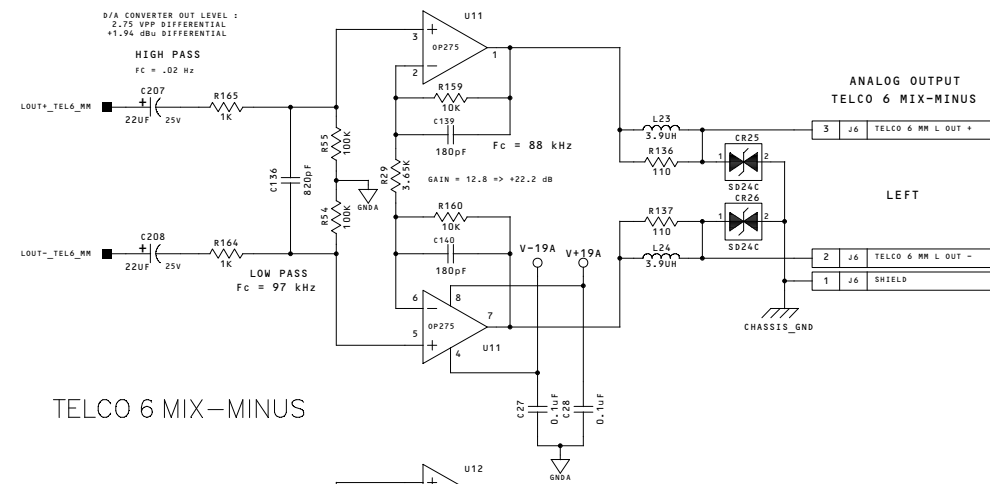
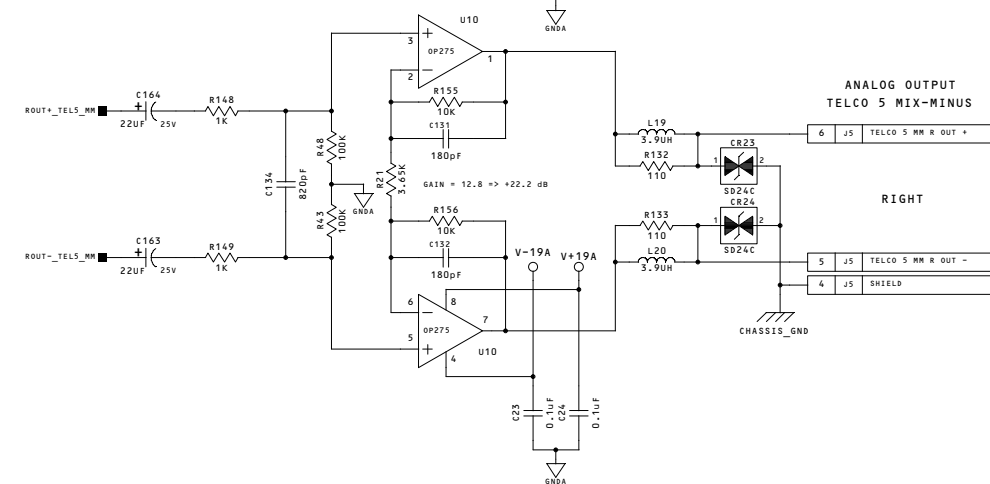
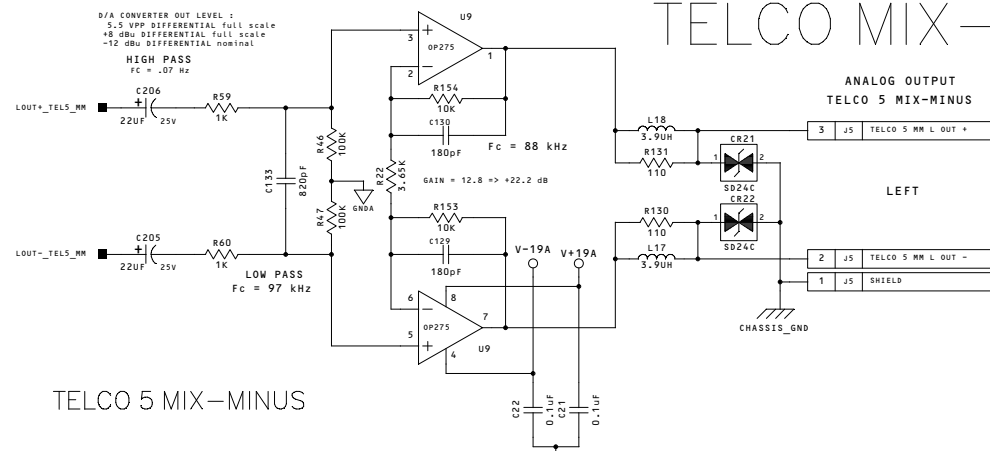


REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPROVAL
A		Initial Release		J. Dombrowski
B	4709	Design correction	11/8/01	J. Dombrowski
C	4728	ESD protection	1/18/02	J. Dombrowski
D	4891	Vendor Change	6/18/04	J. Dombrowski

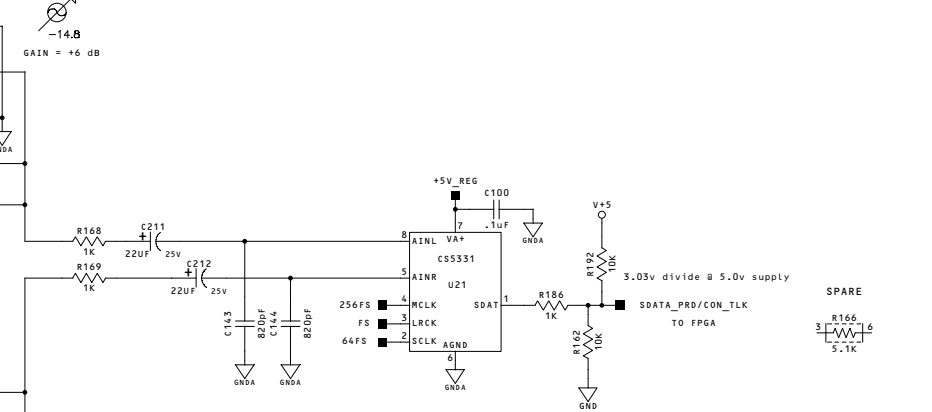
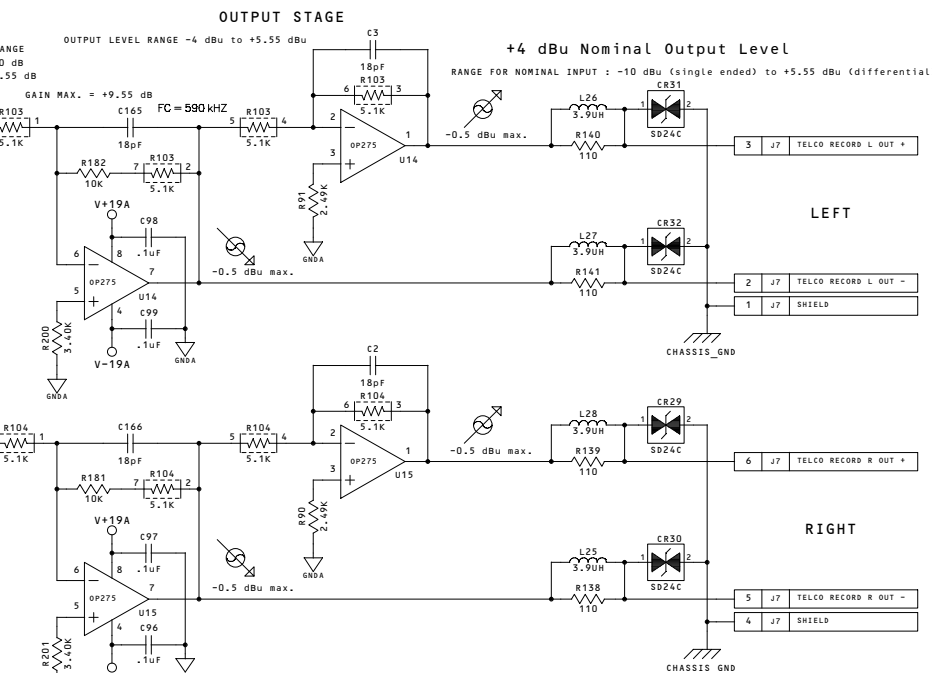
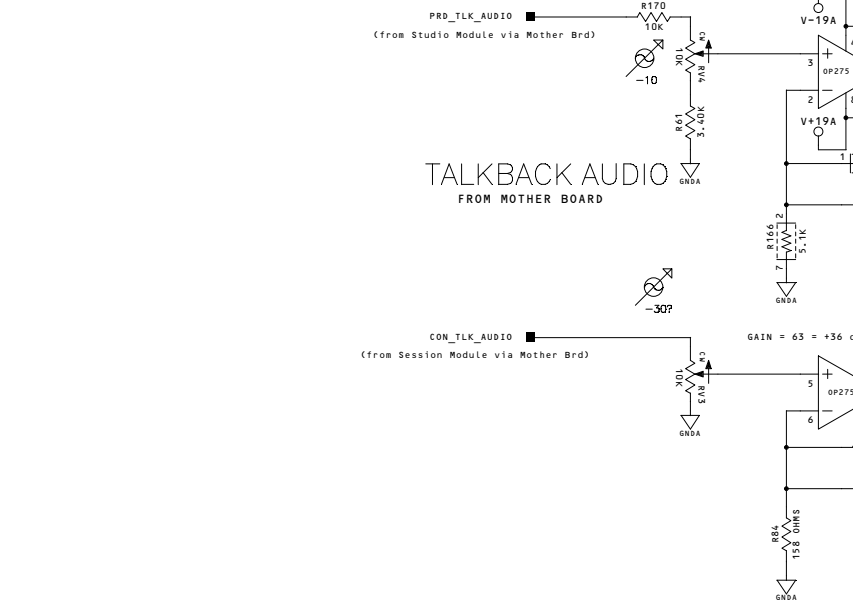
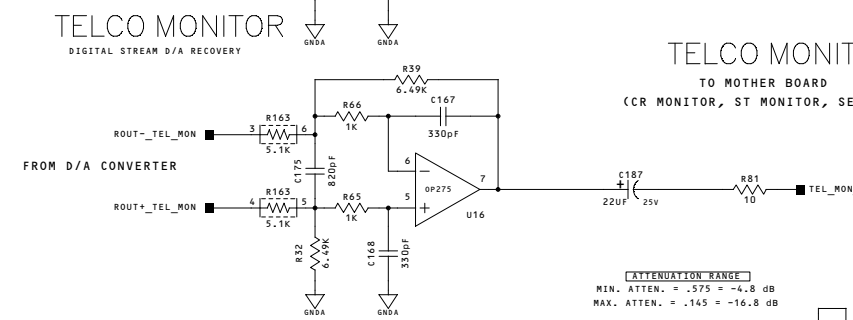
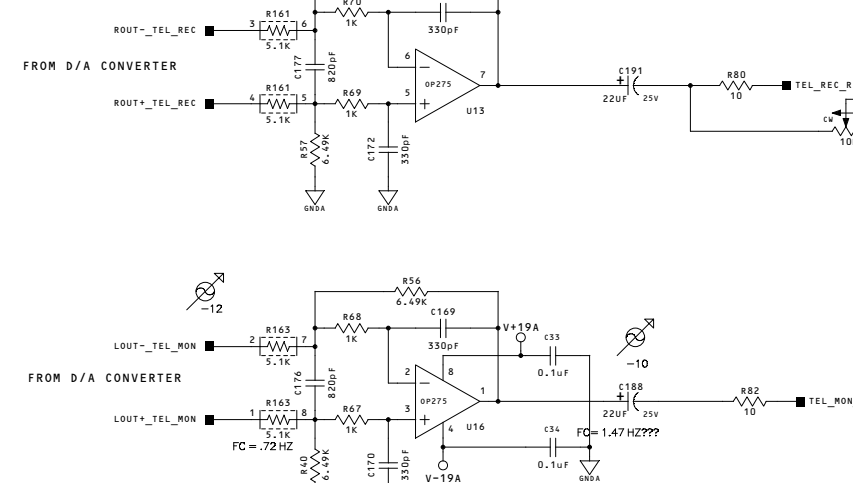
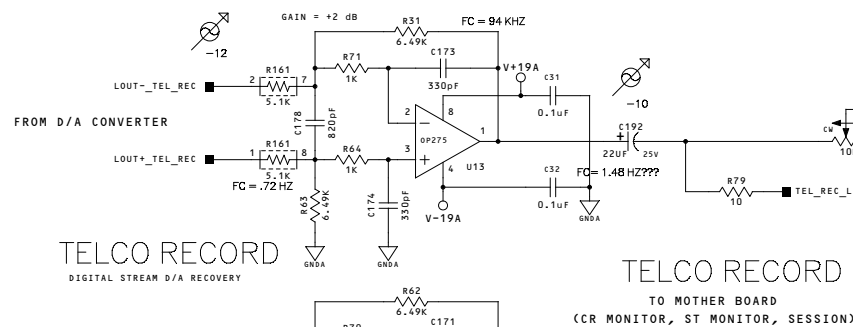
TELCO MIX-MINUS ANALOG OUTPUTS

APPROVALS		DATE	
JOE DOMBROWSKI		<div><div><div>HARRIS</div><div>CORPORATION</div></div><div><div>BROADCAST SYSTEMS DIVISION</div><div>DESIGNS BY</div><div>PACIFIC RESEARCH & ENGINEERING</div></div></div>	
		SCHEMATIC	
		OUTPUT 1 BOARD	
SIZE	DRAWING NUMBER		REV
D	92-1155		D
USED ON BMX DIG/LEGACY		6-10-2004_12:00	SHEET 1 OF 5

TELCO MIX-MINUS and TELCO RECORD & MONITOR ANALOG OUTPUTS



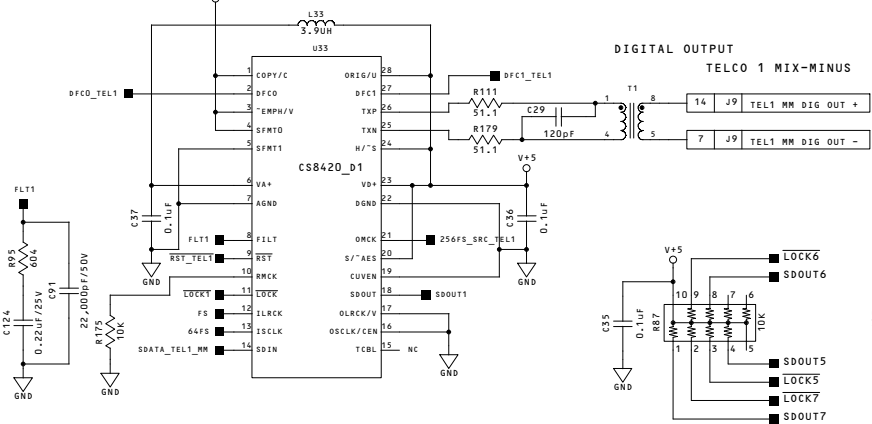
D/A OUTPUT LEVEL : 2.75 Vpp Diff Full Scale = 1.37 Vp = .969 Vrms = +1.94 dBu = +2 dBu
CONSOLE FULL SCALE LEVEL : +18 dBu ; +8 dB GAIN is required for DA output level.



TELCO MIX-MINUS and TELCO RECORD & MONITOR DIGITAL OUTPUTS

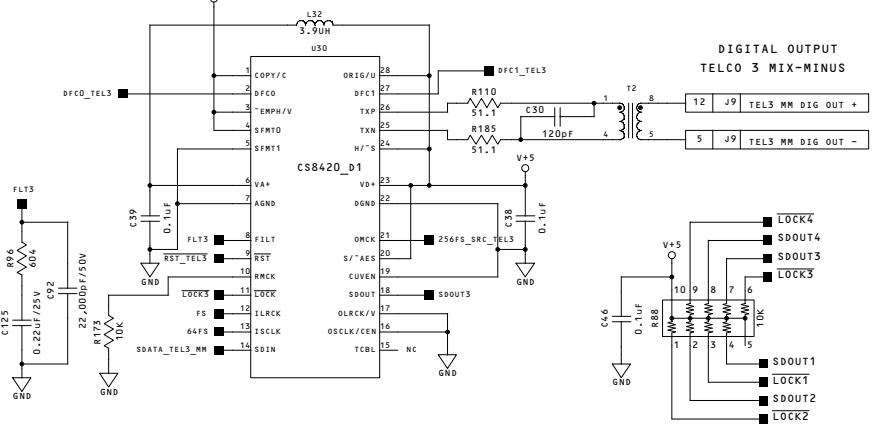
1

TELCO 1 MIX-MINUS



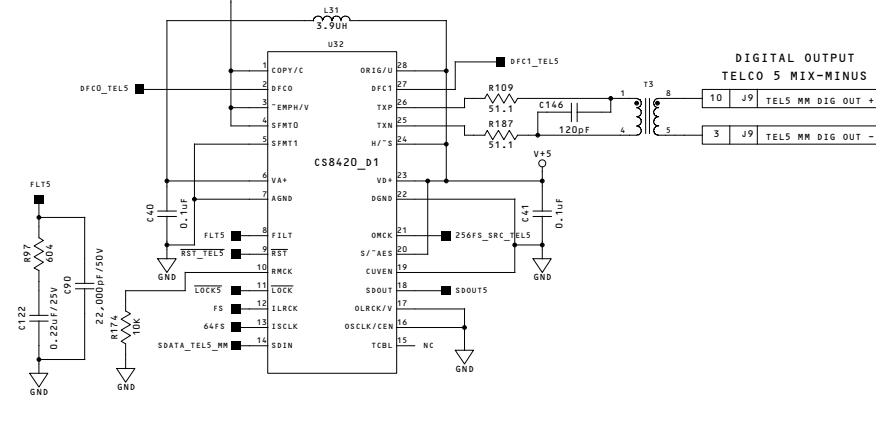
DIGITAL OUTPUT
TELCO 1 MIX-MINUS

TELCO 3 MIX-MINUS

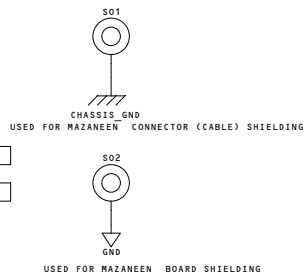


DIGITAL OUTPUT
TELCO 3 MIX-MINUS

TELCO 5 MIX-MINUS

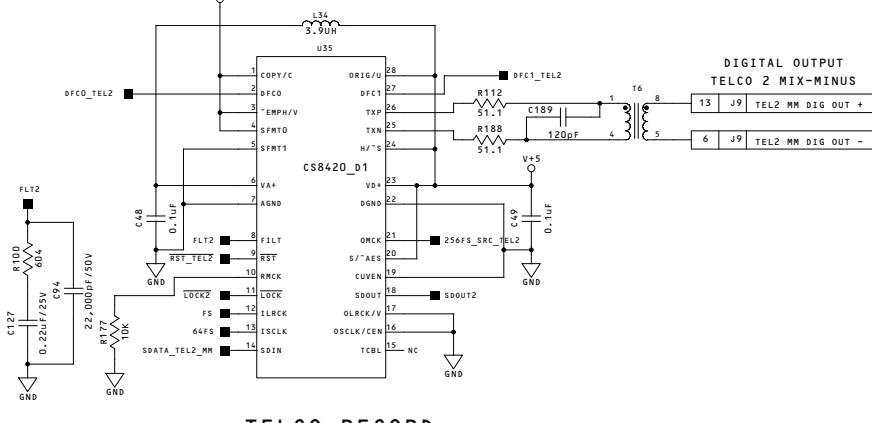


DIGITAL OUTPUT
TELCO 5 MIX-MINUS



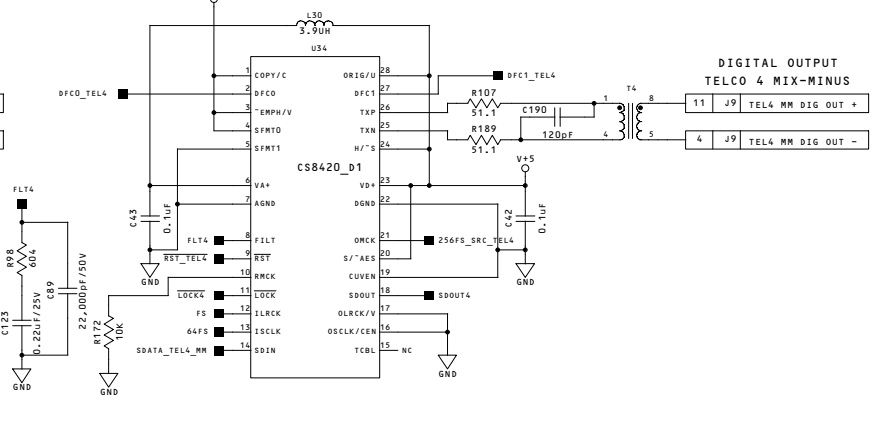
2

TELCO 2 MIX-MINUS



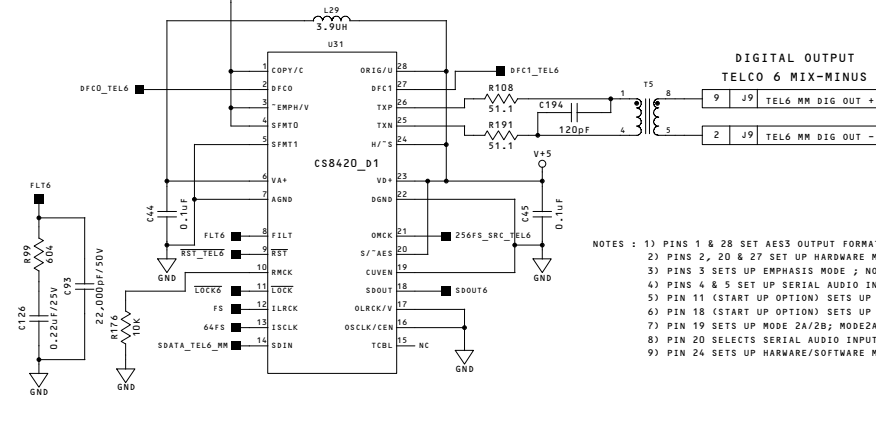
DIGITAL OUTPUT
TELCO 2 MIX-MINUS

TELCO 4 MIX-MINUS



DIGITAL OUTPUT
TELCO 4 MIX-MINUS

TELCO 6 MIX-MINUS

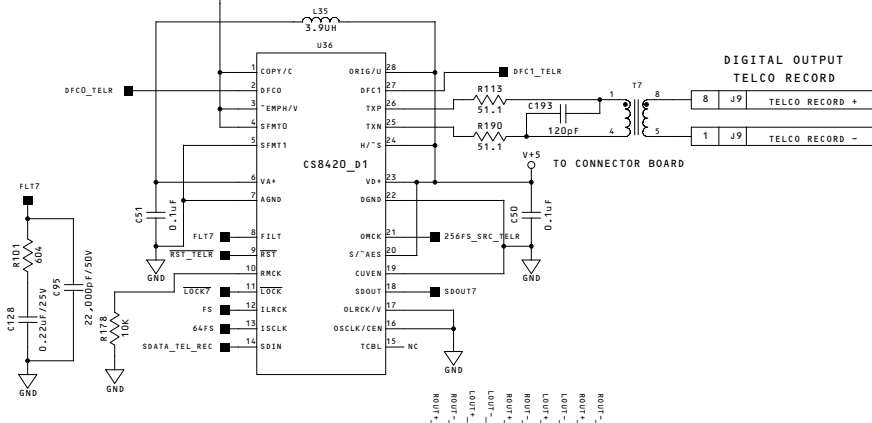


DIGITAL OUTPUT
TELCO 6 MIX-MINUS

- NOTES :
- 1) PINS 1 & 28 SET AES3 OUTPUT FORMAT MODE; "PRO".
 - 2) PINS 2, 20 & 27 SET UP HARDWARE MODE ; DEFAULT DATA FLOW, SERIAL INPUT, MODE 2.
 - 3) PINS 3 SETS UP EMPHASIS MODE ; NO EMPHASIS.
 - 4) PINS 4 & 5 SET UP SERIAL AUDIO IN/OUT FORMAT MODE ; 12S IN & 12S OUT.
 - 5) PIN 11 (START UP OPTION) SETS UP CH STATUS BLOCK START (PIN 15) AS INPUT/OUTPUT; OUTPUT.
 - 6) PIN 18 (START UP OPTION) SETS UP SERIAL DATA OUT PORT; MASTER.
 - 7) PIN 19 SETS UP MODE 2A/2B; MODE2A , CH STATUS BITS SET.
 - 8) PIN 20 SELECTS SERIAL AUDIO INPUT SOURCE AES3/SERIAL; SERIAL.
 - 9) PIN 24 SETS UP HARDWARE/SOFTWARE MODE; HARDWARE, NO MICRO.

3

TELCO RECORD

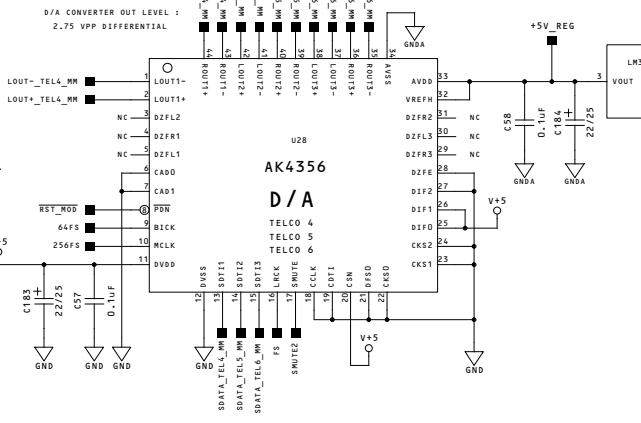


DIGITAL OUTPUT
TELCO RECORD

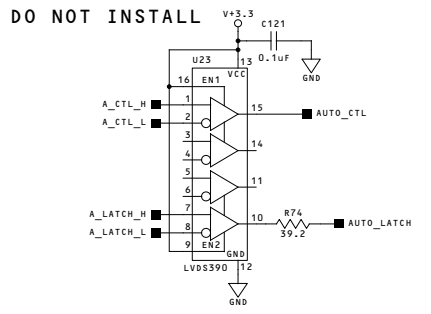
4

D/A CONVERTER OUT LEVEL :
2.75 VPP DIFFERENTIAL

D/A ENCODED AS ADDRESS "01".



LVDS/M DRIVERS.



"PRODUCER TALK TEL 6	J10	8
"PRODUCER TALK TEL 5	J10	7
"PRODUCER TALK TEL 4	J10	6
"PRODUCER TALK TEL 3	J10	5
+5V LOGIC SUPPLY	J10	4
"PRODUCER TALK TEL 2	J10	3
"PRODUCER TALK TEL 1	J10	2
LOGIC GROUND	J10	1

