J1 INPUTS
- 1 SHLD
- 2 INPUT B LEFT LO
- 3 INPUT B RIGHT LO
- 4 INPUT A LEFT LO
- 5 INPUT A RIGHT LO
- 6 INPUT B LEFT HI
- 7 INPUT B RIGHT HI
- 8 INPUT A LEFT HI
- 9 INPUT A RIGHT HI
- 10 SHLD

10 PIN MALE KK

IN A
IN B

TRIAD TY-141P 10K/10K @100MW

R1 10K   R2 56K   R3 4.7K
R5 10K   R6 56K   R7 4.7K

FERRITE BEAD

1/2 LF353N   +15V   C1 33PF   C2 10uF 35V   R4 SEE NOTE #5
1/2 LF353N   -15V   C3 33PF   C4 10uF 35V   R8 SEE NOTE #5

S C M

J2 FADER
- 1 RED
- 2 SHLD
- 3 GRN
- 4 WHT
- 5
- 6
- 7 GRN
- 8 WHT

8 PIN MALE KK

FADER
IN
C
OUT
CUE 1
2

WHT SHLD GRN
R7 4.7K RED
WHT SHLD GRN
R7 4.7K RED

NOTE 2

SHALLCO 720Q 2A3 10K LADDER ATTENUATOR FOR MONO UNITS. STEREO ATTENUATOR NUMBER UNKNOWN

PGM L / OFF / AUD L   R11 SEE NOTE #4
PGM R / OFF / AUD R   R12 SEE NOTE #4
R9 10K
R10 10K
PGM / OFF / AUD

D1 1N4002   MUTE SELECT   RY 1 / RY2

D2   MODULE 'ON' FRONT PANEL   +15V   R13 1K

J3 OUTPUTS
N.C. (15)	(16) MUTE RY 1
MUTE RY 2 (13)	(14) GND
PGM L (11)	(12) GND
PGM R (9)	(10) GND
AUD L (7)	(8) GND
AUD R (5)	(6) GND
CUE (3)	(4) GND
+15V (1)	(2) -15V

16 PIN DUAL ROW HEADER

+15V   R14 100 ohm
-15V   R15 100 ohm
C6 10uF 35V   C5 10uF 35V   C8 0.1uF 50V   C7 0.1uF 50V

NOTE 1: THIS SCHEMATIC IS DRAWN FROM A CETEC MODEL 200, 5 CHANNEL MONO AUDIO CONSOLE, SERIAL NUMBER 2049. IT WAS MANUFACTURED IN NOVEMBER OF 1980. I HAVE USED THIS AS THE SAMPLE FOR THIS DRAWING. i AM ASSUMING THAT THE FIVE CHANNEL AND THE EIGHT CHANNEL CONSOLES USED THE SAME MODULE. REMEMBER, YOUR CONSOLE MAY NOT BE THE SAME!! USE CAUTION IF YOU DOWNLOAD THIS TO WORK ON YOUR BOARD. I AM NOT RESPONSIBLE FOR ANY ERRORS IN THE DRAWING OR YOUR BOARD ERUPTING IN FLAMES!

NOTE 2: I BELIEVE THAT THE TWO CUE BUSSES IN THE STEREO VERSION OF THIS CONSOLE WERE TIED TOGETHER WITH 4.7K RESISTORS USING THE "2" PIN ON THE POT AS A TIE POINT. I COULD BE WRONG SINCE I DON'T HAVE A SCHEMATIC BUT THAT'S HOW I WOULD HAVE DONE IT.

NOTE 3: ALL PART NUMBERS HAVE BEEN ASSIGNED BY MYSELF WHEN I DREW THE SCHEMATIC. THE ONLY EXCEPTIONS ARE TWO TRANSFORMERS. ALSO, THE #1 PIN ON THE MOLEX CONNECTORS DO NOT SEEM TO MATCH THE MOLEX STANDARD BUT I USED THE CETEC NUMBERING ANYWAY. AND YES, J1 DOES INDEED OVERHANG THE EDGE OF THE CIRCUIT BOARD.

NOTE 4: THERE ARE HOLES FOR R11 & R12 BUT THE PARTS ARE NOT STUFFED.

NOTE 5: R4 & R8 SET THE GAIN OF THE OP-AMP. 150K FOR A MIC LEVEL INPUT GAIN OF 32. USE A JUMPER FOR UNITY GAIN LINE INPUT. ANY OTHER GAIN Rf/Rin. MAKE Rf GREATER THAN Rin FOR NEGATIVE GAIN.

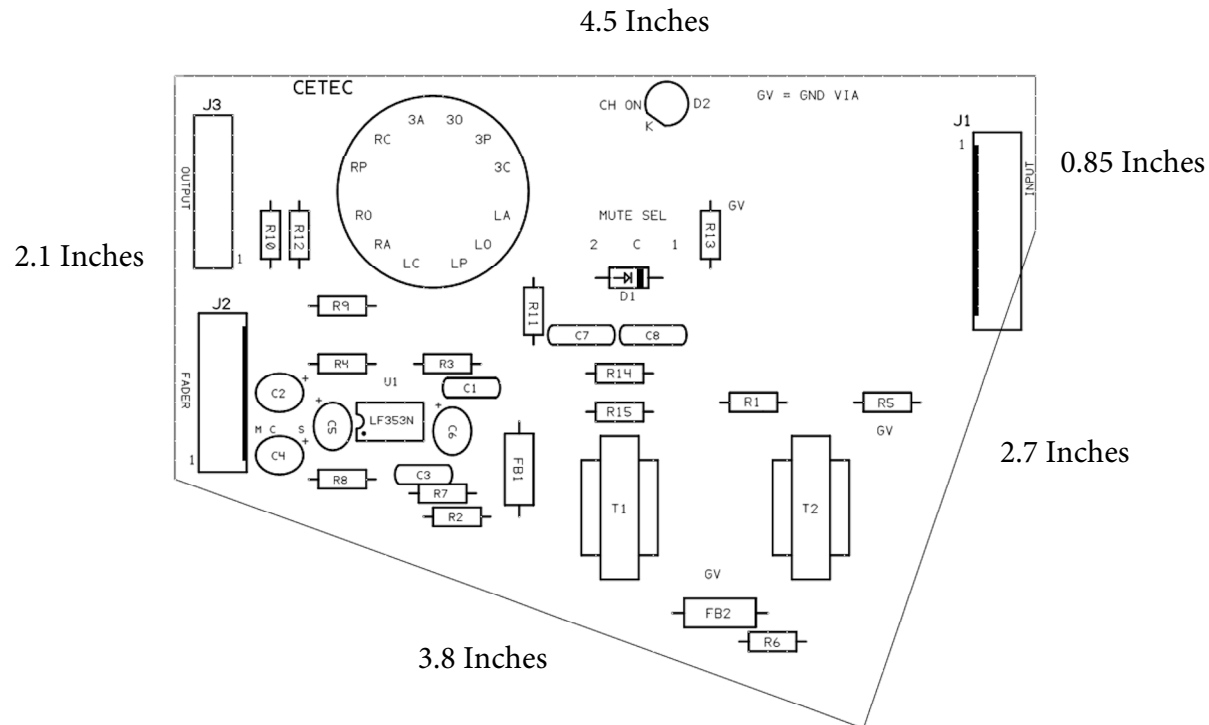NOTE 6: REFER TO THE SEPARATE CIRCUIT BOARD DRAWING FOR PARTS LAYOUT.

SPARTA ELECTRONIC CORPORATION SACRAMENTO, CALIFORNIA

TITLE: CETEC MODEL 2000 SERIES AUDIO CONSOLE INPUT MODULE

P.C. BOARD #?

DRAWN.	DATE. 1980	SHT 1 OF 1	DWG. NO. SPR-2001-I
APPD.	DATE.		

REDRAWN BY DAVID WIGFIELD 2019

CETEC 2000 Series Audio Console Input Card Component and Silkscreen Layout. Card can be stuffed for either mono or stereo. Drawing shows all components necessary for a stereo input. Shown full size. Component designations are from the 2019 drawing done by Steam Powered Radio and probably will not match the original CETEC schematic. All component locations are as close as I could get them measuring from a CETEC console in my possession. Traces were laid out using ExpressPCB Plus and are therefore straight lines since the program will not recreate the swoopy doopy traces that you could get with tape. Yes, J1 does overhang the board just like that. On the AUD/PGM switch the designations are as follows... XC = Switch Common, XA = Audition contact, XO = Off position, XP = PGM contact, where L = Left, R = Right and 3 = Control
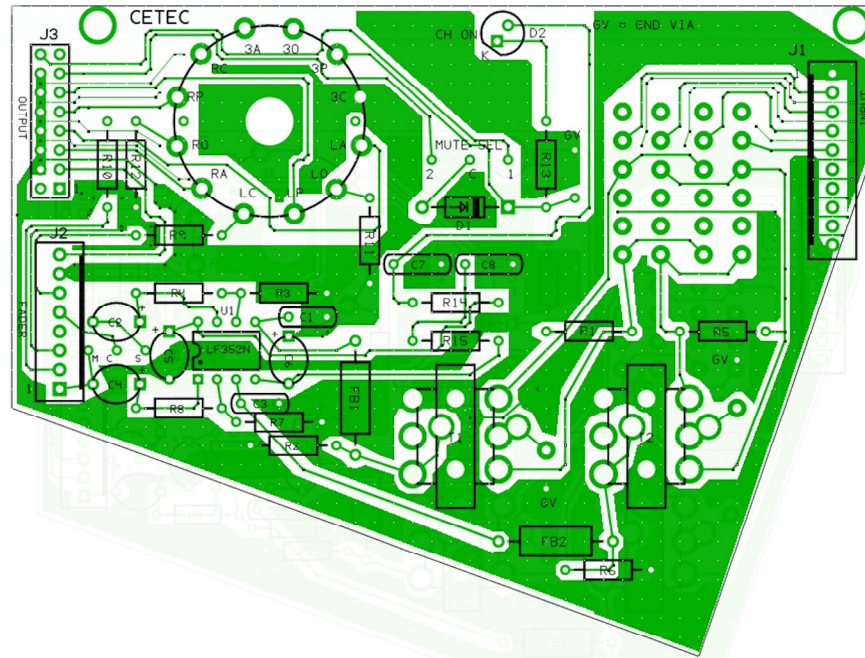
CETEC Series 2000 Audio Console Input Card showing Silkscreen and Bottom Layer.
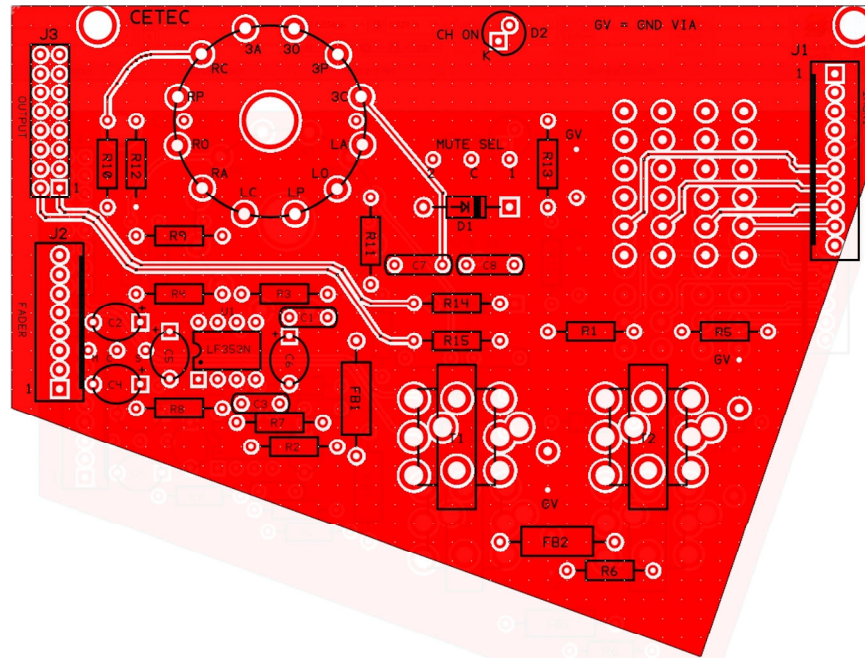
CETEC Series 2000 Audio Console Input Card showing Silkscreen and Top Layer