

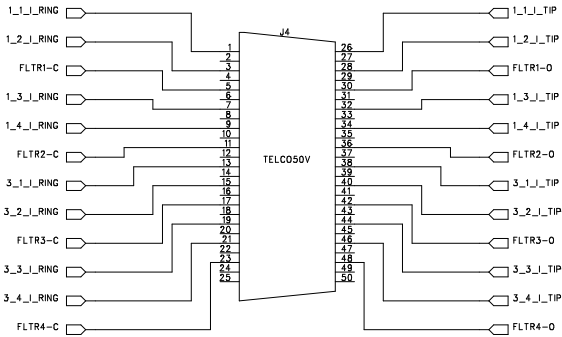
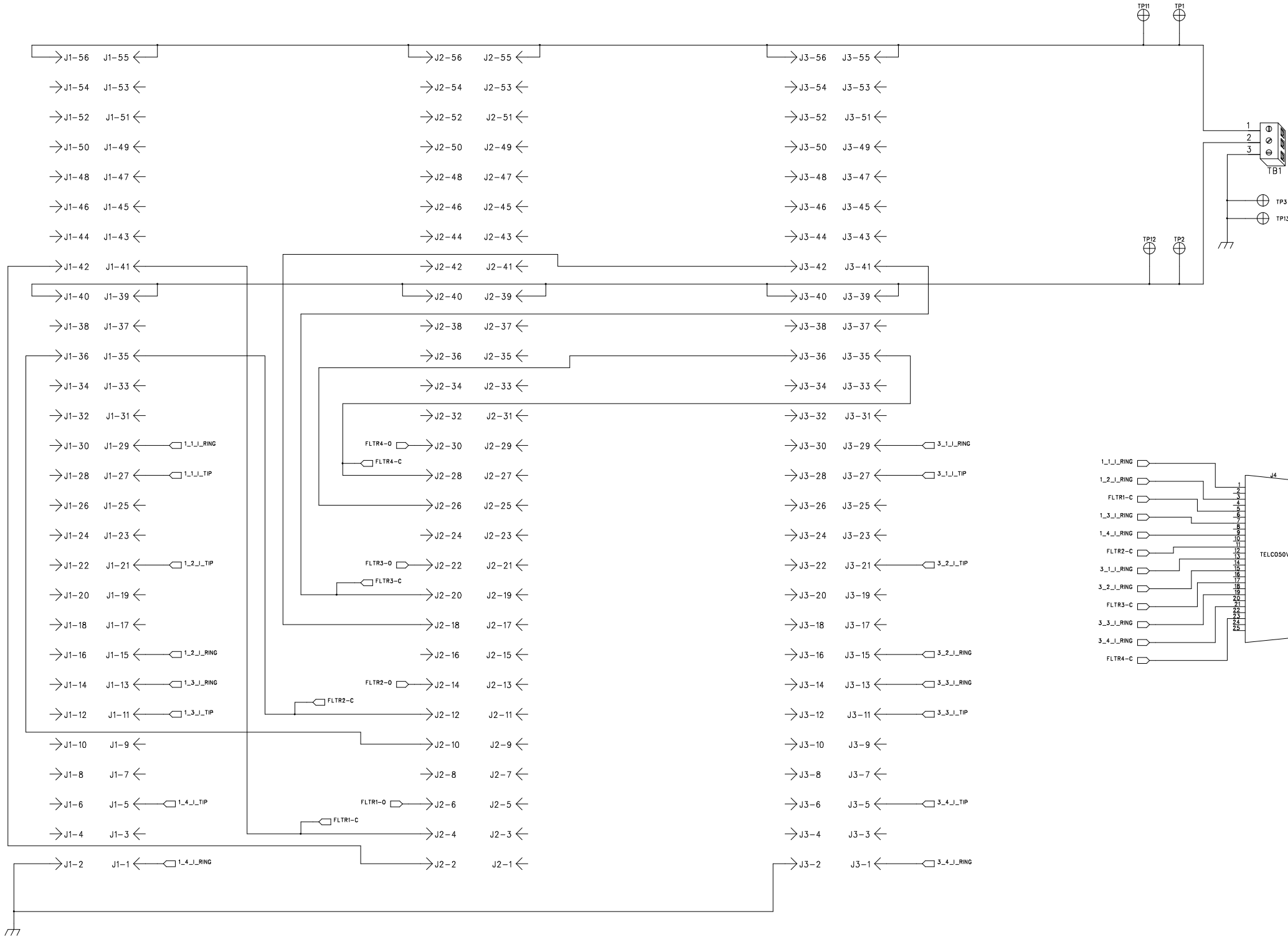


Model 1211 Dictaphone Back Plane PCB Technical Manual

P.N. 803881

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COMPANY:

Telex®

TELEX COMMUNICATIONS INC.

Lincoln, Nebraska U.S.A.

1 Description:

The 1211 Dictaphone backplane PCB offers a quick connection solution for 3 slots of the 1211 type 10 card cage. Up to 4 back planes can be installed on one 1211 card cage. The 1505 and 1360 cards I/O connections are connected to a 25-pair Centronics style connector.

2 Theory of Operation:

Balanced audio pairs are applied to 1505 RX inputs on slots 1 and 3 of each 3-card group. The inputs are summed and sent to TX output's 1 and 3 and passed through a passive notch filter mounted on the 1360 card mounted in slot number 2.

3 Installation:

Simply align the backplane PCB over 3 edge connectors, press into place and solder the wire wrap pins to the PCB.

4 Connectors:

4.1 25-Pair Centronics

CS= Card Slot

PIN #	Signal	PIN #	Signal
1	RX #1, 4-wire circuit 1(CS 1)	26	RX #1, 4-wire circuit 1(CS 1)
3	RX #2, 4-wire circuit 1(CS 1)	28	RX #2, 4-wire circuit 1(CS 1)
5	Notch Filter output, 4-wire circuit 1(CS 2)	30	Notch Filter output, 4-wire circuit 1(CS 2)
7	RX #3, 4-wire circuit 2(CS 1)	32	RX #3, 4-wire circuit 2(CS 1)
9	RX #4, 4-wire circuit 2(CS 1)	34	RX #4, 4-wire circuit 2(CS 1)
11	Notch Filter output, 4-wire circuit 2(CS 2)	36	Notch Filter output, 4-wire circuit 2(CS 2)
13	RX #1, 4-wire circuit 3(CS 3)	38	RX #1, 4-wire circuit 3(CS 3)
15	RX #2, 4-wire circuit 3(CS 3)	40	RX #2, 4-wire circuit 3(CS 3)
17	Notch Filter output, 4-wire circuit 3(CS 2)	42	Notch Filter output, 4-wire circuit 3(CS 2)
19	RX #3, 4-wire circuit 4(CS 3)	44	RX #3, 4-wire circuit 4(CS 3)
21	RX #4, 4-wire circuit 4(CS 3)	46	RX #4, 4-wire circuit 4(CS 3)
23	Notch Filter output, 4-wire circuit 4(CS 2)	48	Notch Filter output, 4-wire circuit 4(CS 2)

4.2 Power connections

TB1 is provided for power buss connections from a +12Vdc source, TP connections are provided for parallel connections between additional backplane PCB's.

+12Vdc = TB1 pin 1, TP1 and TP11

Ground = TB1 pin 2, TP2 and TP12

Earth GND = TB1 pin 3, TP3 and TP13

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