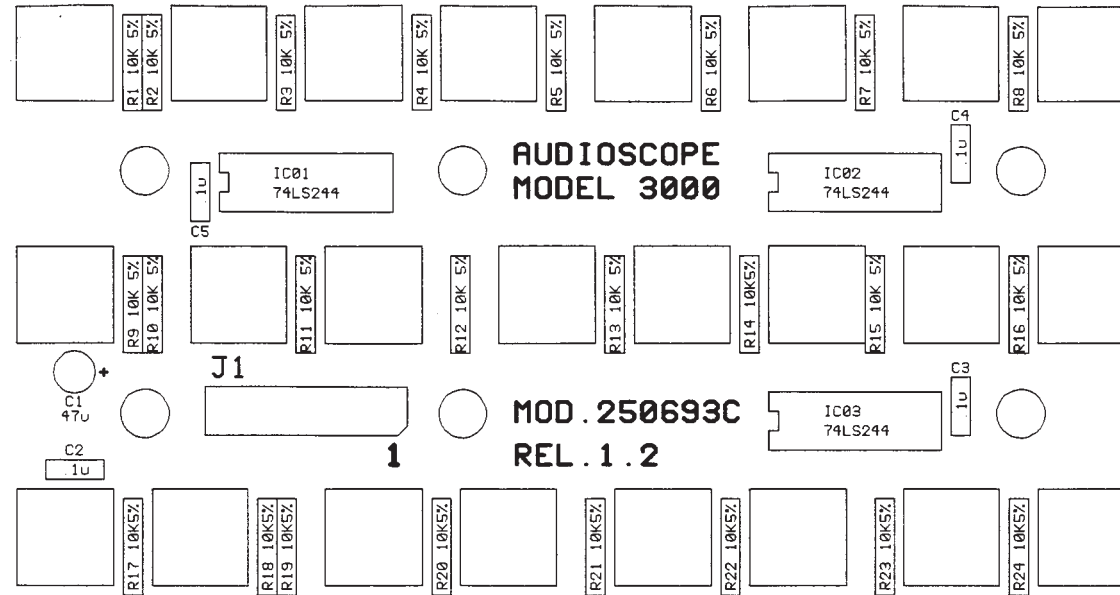
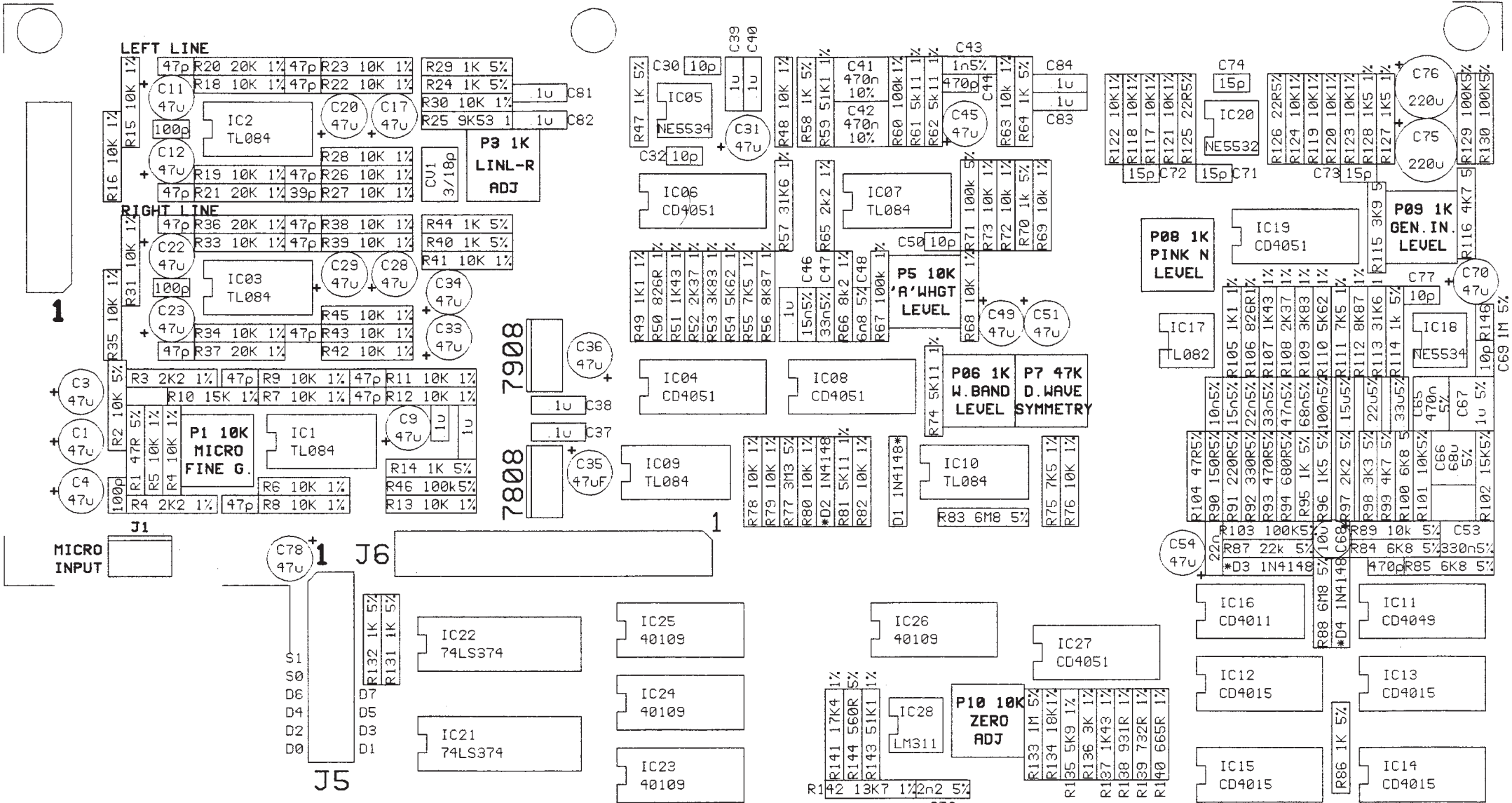


3000

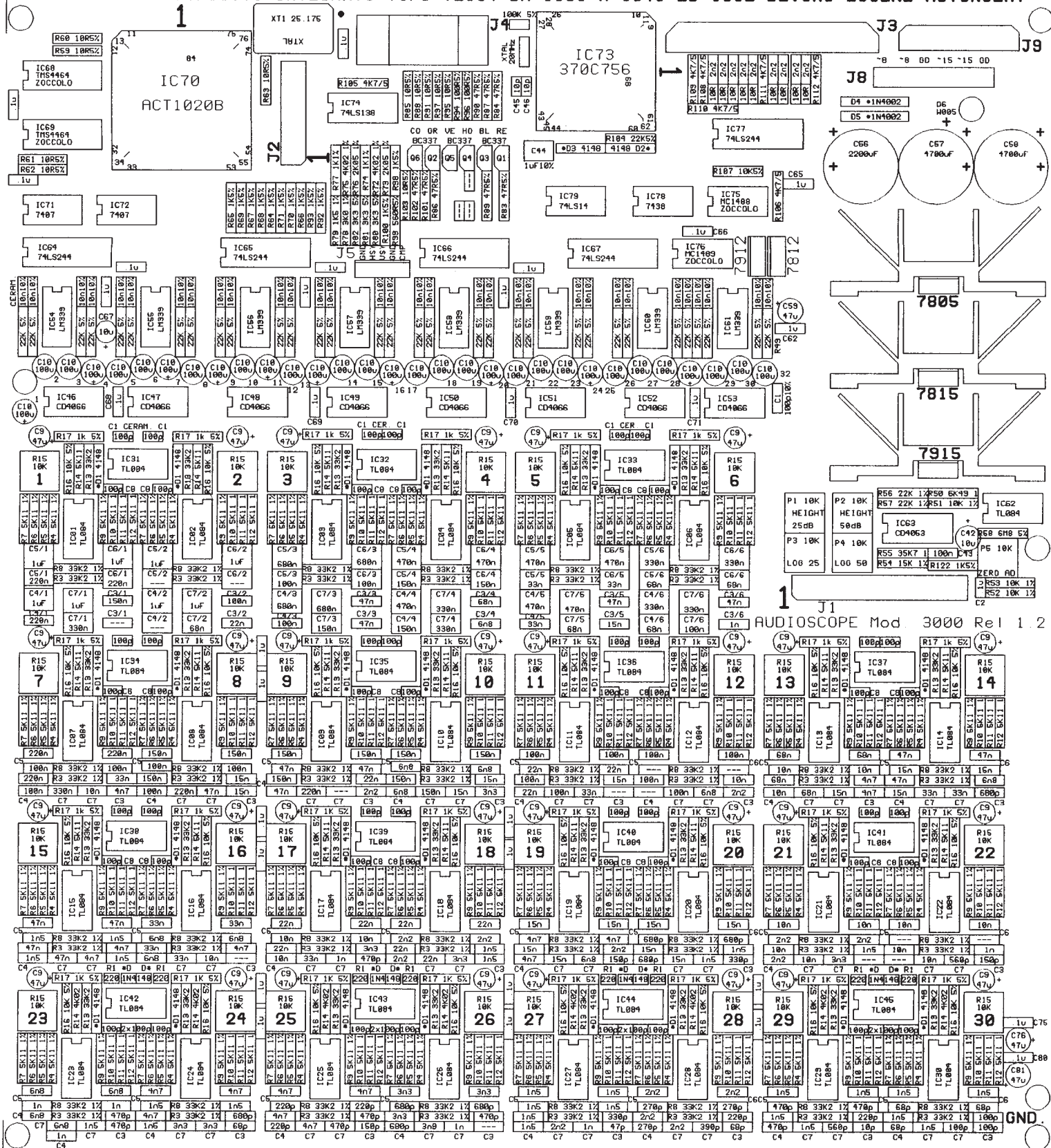
SCHEMI ELETTRICI
ANALIZZATORE DI SPETTRO
AUDIOSCOPE MOD. 3000.

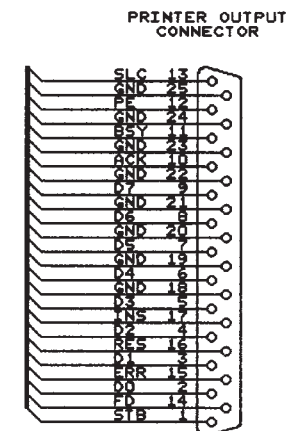
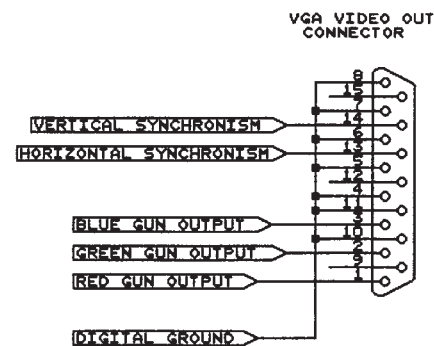
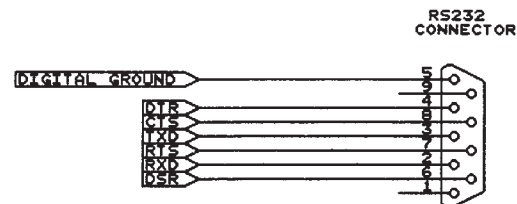
Title			ANALIZZATORE DI SPETTRO MOD. 3000	
Size	Document Number		REV	
B	D:\ORCAD\SHEET\3000\3000			
Date:	August 31, 1994	Sheet	1 of	15



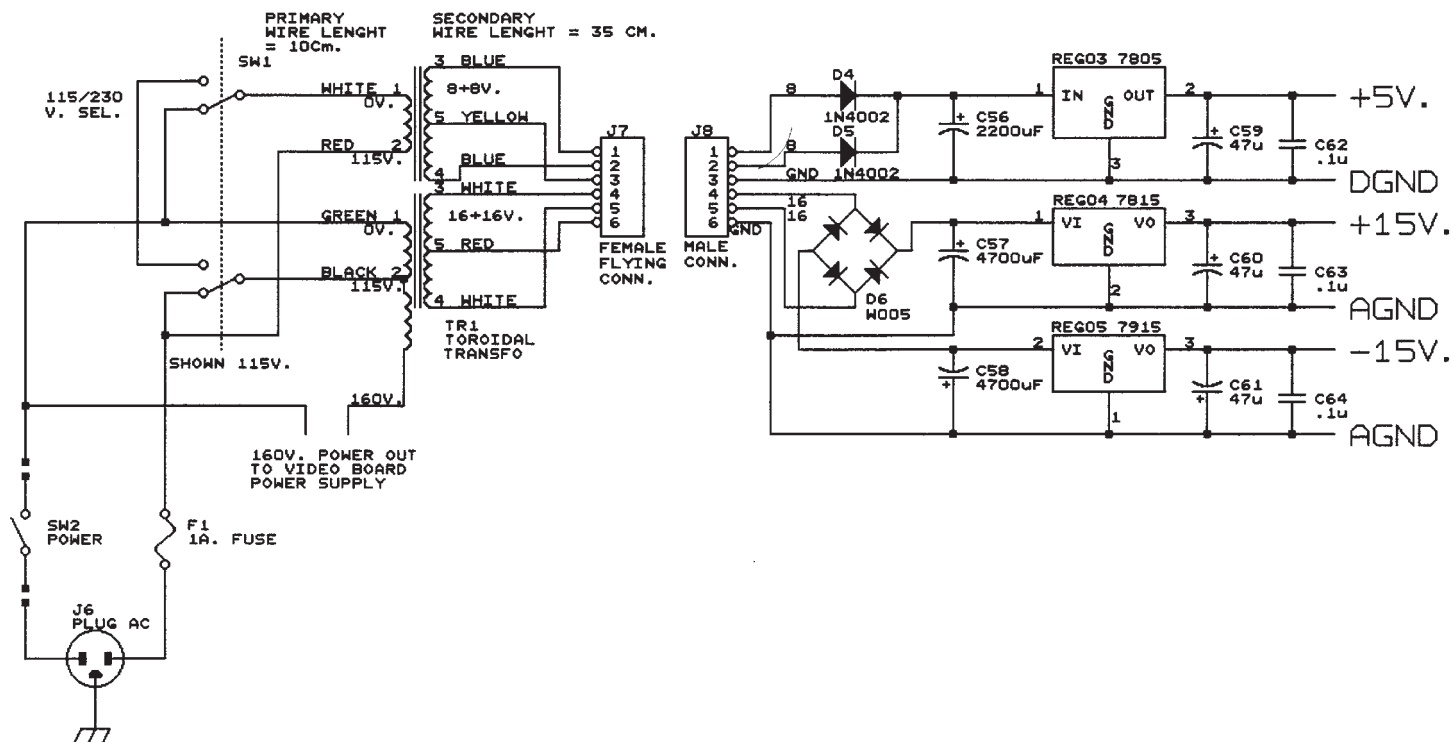


ATTENZIONE: I CIRCUITI INTEGRATI TIPO TL084 DA IC31 A IC45 ED IC62 DEVONO ESSERE MOTOROLA.





RS232 CABLE					
PC SIDE			3000 SIDE		
2	(3)	RX	TX	3	
3	(2)	TX	RX	2	
6	(6)	DSR	DTR	4	
5	(7)	GND	GND	5	
4	(20)	DTR	DSR	6	
7	(4)	RTS	CTS	8	
8	(5)	CTS	RTS	7	
DB9 (DB25)			DB9		



MISSING COMPONENT NUMBERS:

R2 C2

LAST COMPONENT NUMBER USED:

IC79 R123 C81 D06 P5 J9 XT2 Q6 F1 SW2 TR1 REG05

ALIMENTAZIONE PER ANALIZZATORE
DI SPETTRO AUDIOSCOPE MOD. 3000.

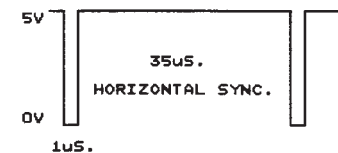
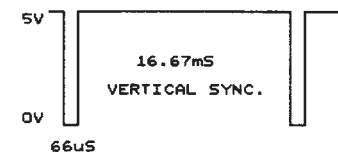
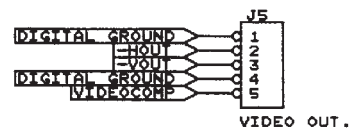
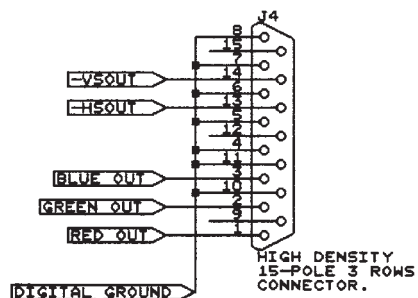
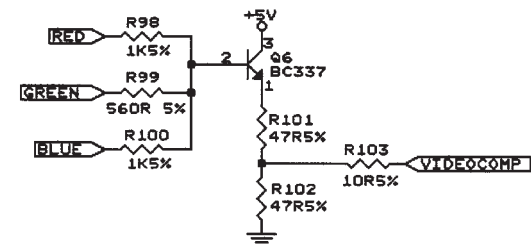
Title SCHEDA FILTRI ANALIZZATORE MOD. 3000

Size Document Number REV

B D:\ORCAD\SHEET\3000\POW3000

Date: September 1, 1994 Sheet 13 of 15

PIXCOL6,7 = BLUE.

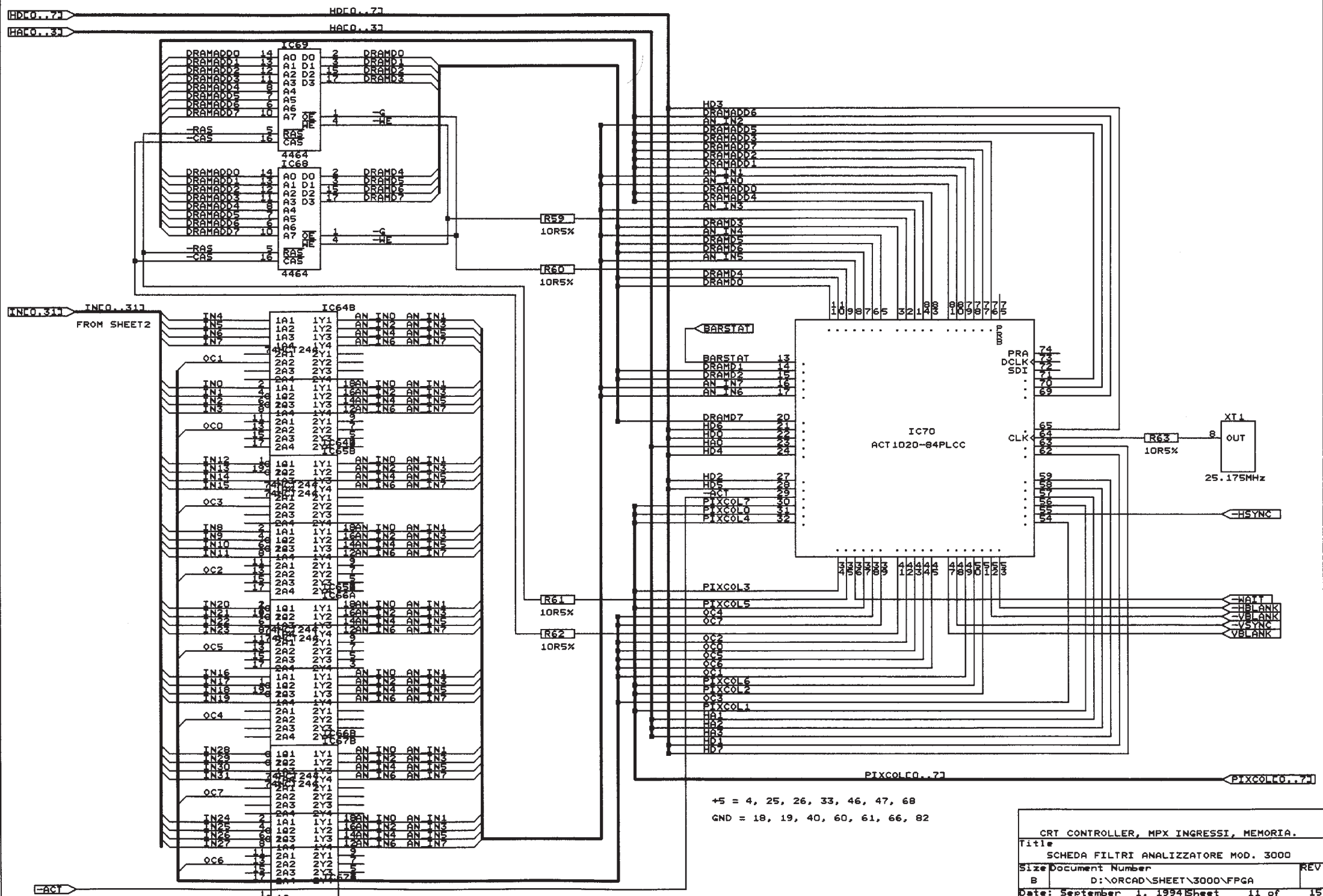


R,G,B, = 0 1.5VPP
POSITIVE MODULATION.

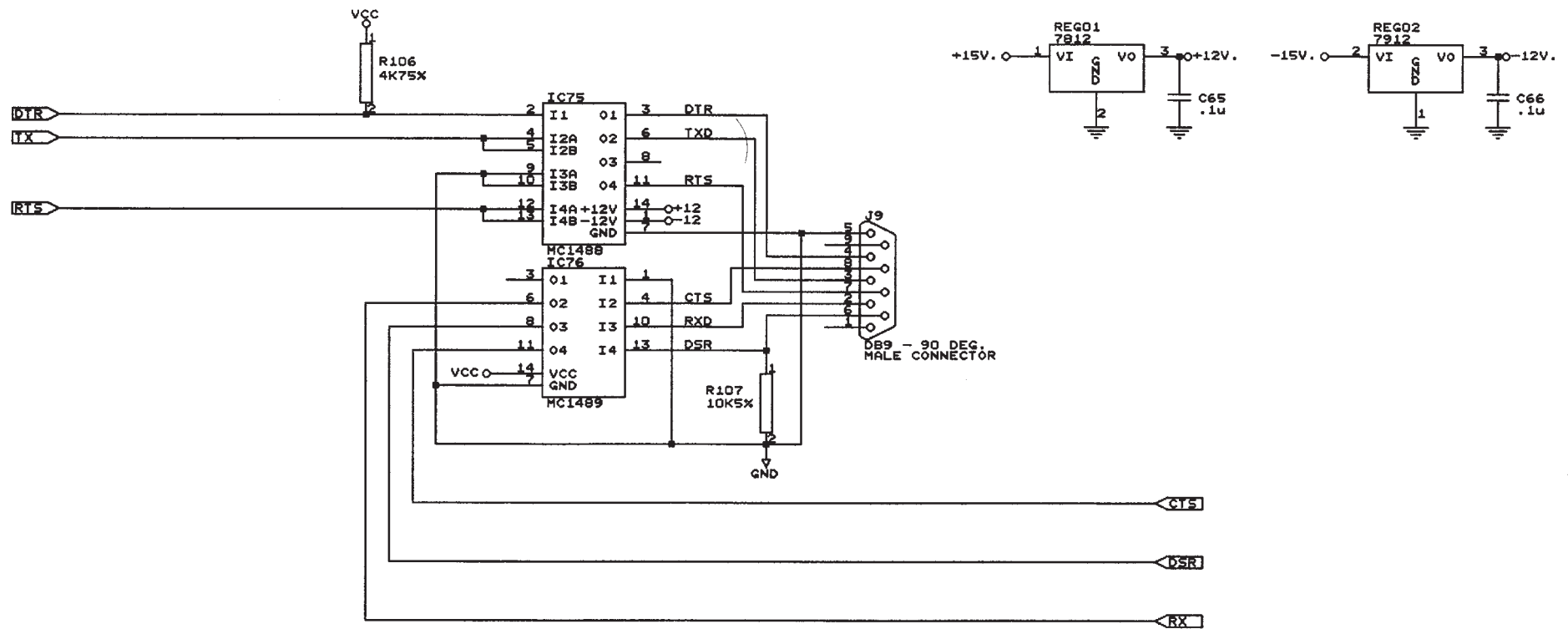
CONVERSIONE DIGITALE/ANALOGICA
SEGNALI VIDEO R,G,B. USCITA
SEGNALE MONOCROMATICO PER MONITOR 6".
SINCRONISMI ORIZZONTALE E VERTICALE.

Title
SCHEDE FILTRI ANALIZZATORE MOD. 3000

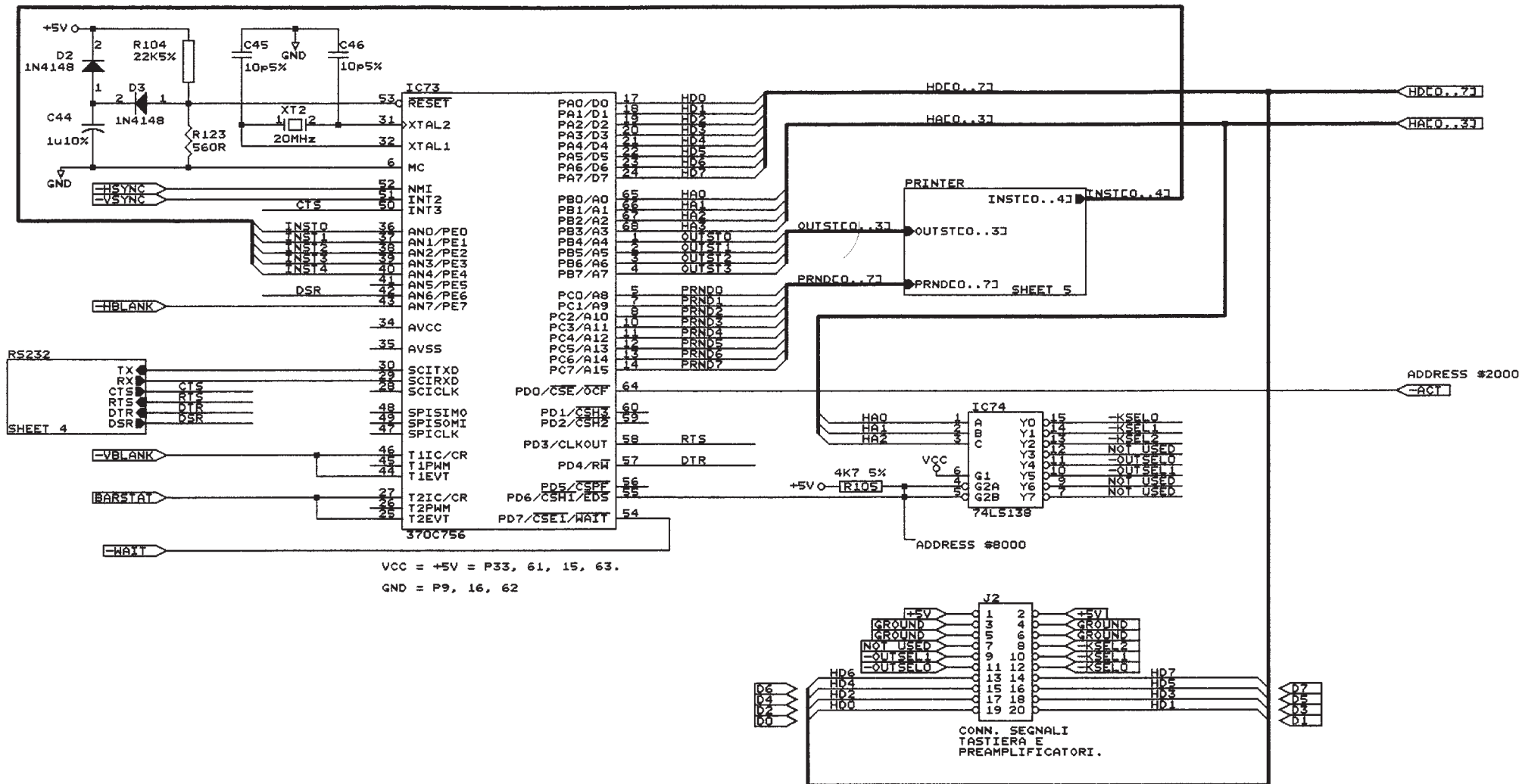
Size	Document Number	REV
B	D:\ORCAD\SHEET\3000\VIDA3000	01
Date:	September 1, 1994	Sheet 12 of 15

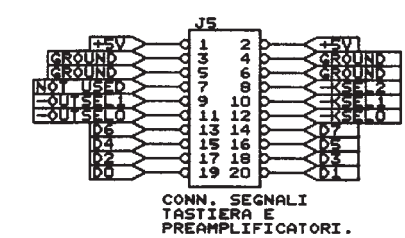
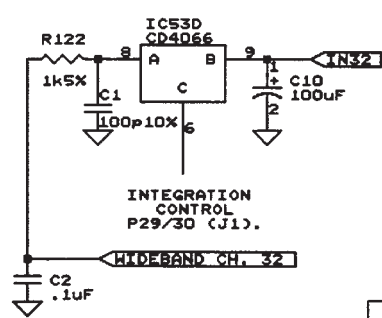
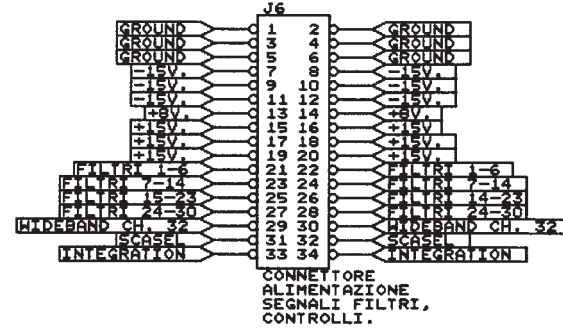
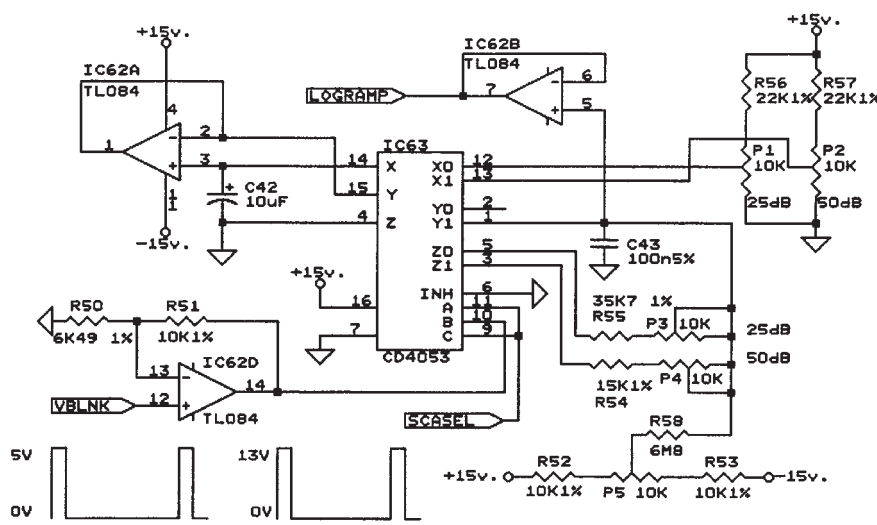
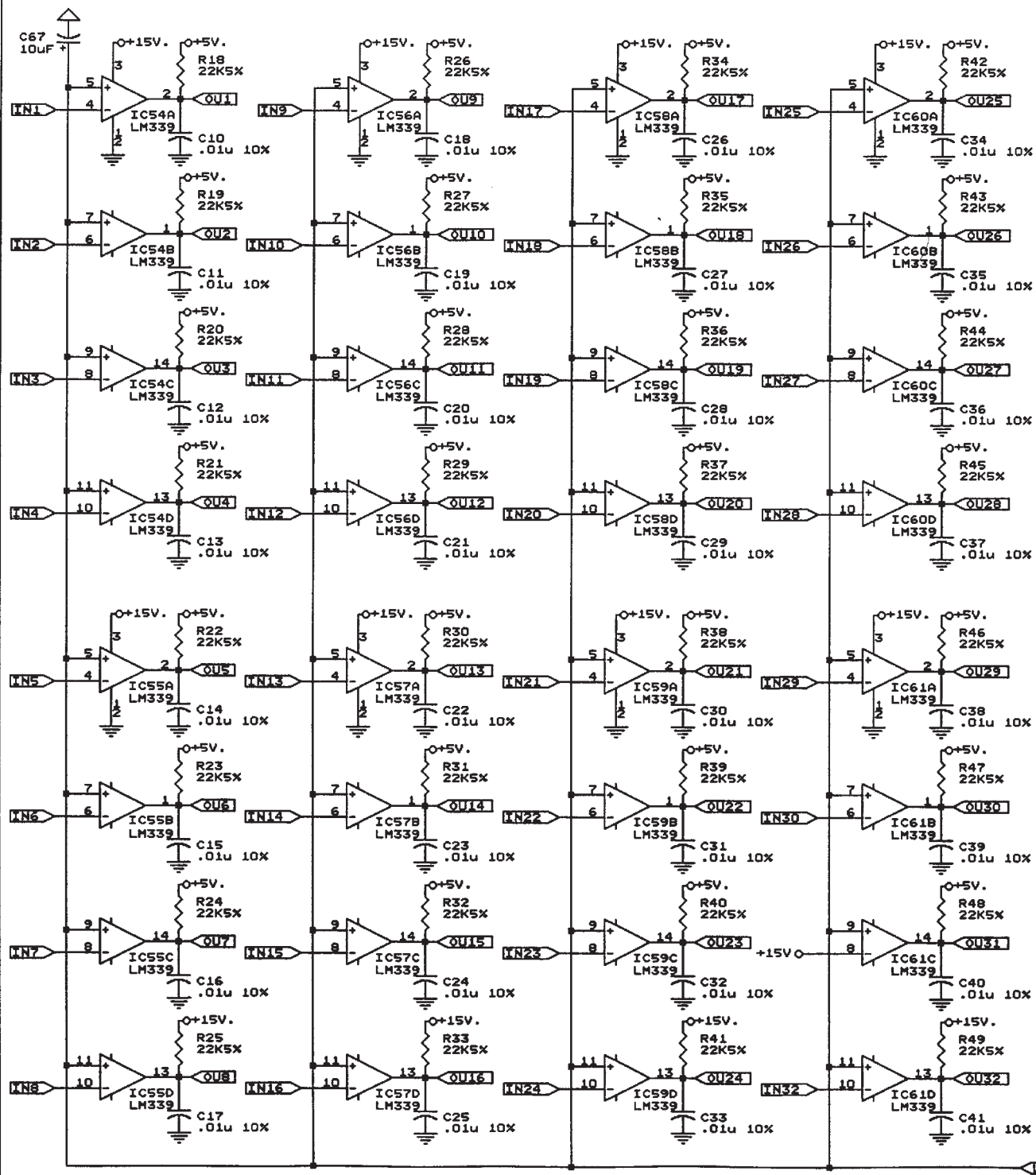


CRT CONTROLLER, MPX INGRESSI, MEMORIA.		
Title		
SCHEDA FILTRI ANALIZZATORE MOD. 3000		
Size Document Number		
B	D:\ORCAD\SHEET\3000\FPGA	REV
Date: September 1, 1994	Sheet	11 of 15



SERIAL INTERFACE VIA RS232		
Title		
SCHEDA FILTRI ANALIZZATORE MOD. 3000		
Size Document Number		
B	D:\ORCAD\SHEET\3000\RS232	REV
Date: September 1, 1994 Sheet 9 of 15		



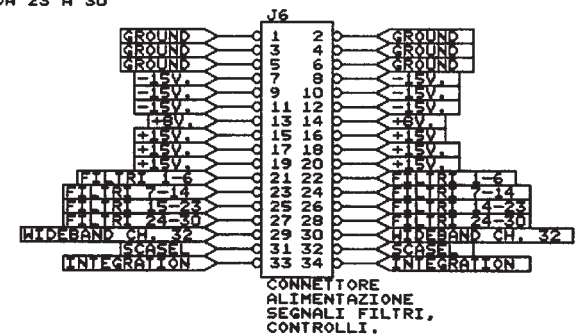
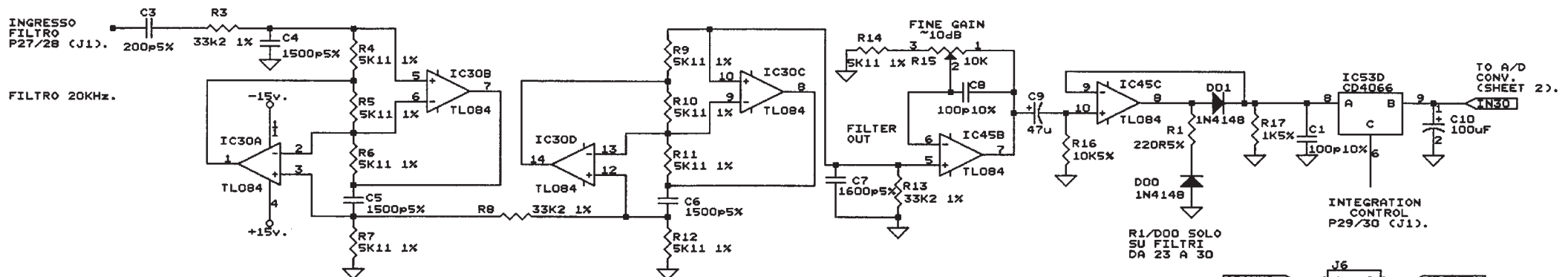


SCHEDA FILTRI, RADDIRIZZATORI, INTEGRATORI.
 CONVERSIONE ANALOGICO/DIGITALE, MPX DIGIT.
 GENERATORE RAMPA LOGARITMICA, VIDEO VGA,
 MICROPR., SER, PAR, ALIMENT.

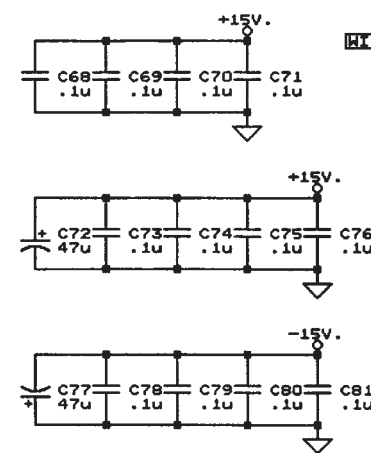
Title
 SCHEDA FILTRI ANALIZZATORE MOD. 3000

Size Document Number
 B D:\ORCAD\SHEET\3000\ADC03000

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FILTER NUMBER	CENTER FREQ.	C3 THEOR.	C3 COMM.	C4/5/6 THEOR.	C4/5/6 COMM.	C7 THEOR. (C4COM+6X)	C7 COMM.
01	25Hz.	150000	150000	1260000	1000000+220000	1293000	1000000+330000
02	31.5	120000	100000+22000	1000000	1000000	1060000	1000000+68000
03	40	96000	47000+47000	780000	680000+100000	826800	680000+150000
04	50	75000	68000+6800	630000	470000+150000	657000	330000+330000
05	63	60000	47000+15000	500000	470000+33000	533000	470000+68000
06	80	48000	47000+1000	390000	330000+68000	422000	330000+100000
07	100	37500	33000+4700	315000	220000+100000	339200	330000+10000
08	125	30000	15000+15000	250000	150000+100000	265000	220000+47000
09	160	24000	22000+2200	195000	150000+47000	209000	220000
10	200	18750	15000+3300	157000	150000+6800	166200	150000+15000
11	250	15000	15000	125000	100000+22000	129300	100000+33000
12	315	12000	10000+2200	97500	100000	106000	100000+6800
13	400	9400	4700+4700	78750	68000+10000	82700	68000+15000
14	500	7500	6800+680	62500	47000+15000	65700	33000+33000
15	630	6000	4700+1500	48750	47000+1500	51400	47000+4700
16	800	4700	4700	39400	33000+6800	42200	33000+10000
17	1000	3750	3300+470	31250	22000+10000	34000	33000+1000
18	1250	3000	1500+1500	24400	22000+2200	25650	22000+3300
19	1600	2350	2200+150	19700	15000+4700	20900	15000+6800
20	2000	1875	1500+330	15600	15000+680	16620	15000+1500
21	2500	1500	1500	12200	10000+2200	12930	10000+3300
22	3150	1170	1000+150	9850	10000	10600	10000+560
23	4000	938	470+470	7800	6800+1000	8270	6800+1500
24	5000	750	680+68	6300	4700+1500	6570	3300+3300
25	6300	586	470+150	4920	4700+220	5220	4700+470
26	8000	470	470	3940	3300+680	4200	3300+1000
27	10k	375	330+47	3050	1500+1500	3180	2200+1000
28	12.5k	293	220+68	2460	2200+270	2620	2200+390
29	16k	234	220+10	1950	1500+470	2090	1500+560
30	20k	187	100+100	1525	1500	1590	1500+100

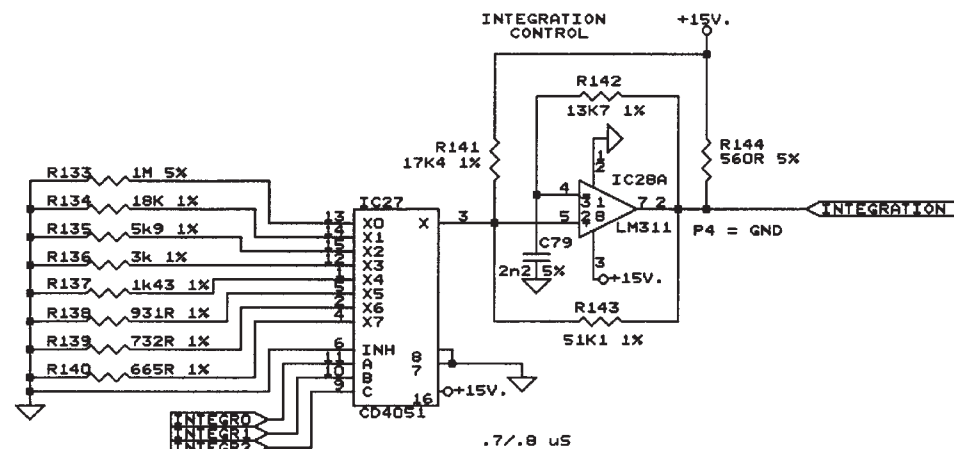
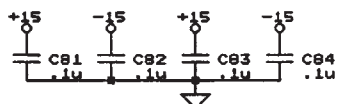
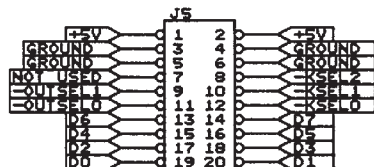
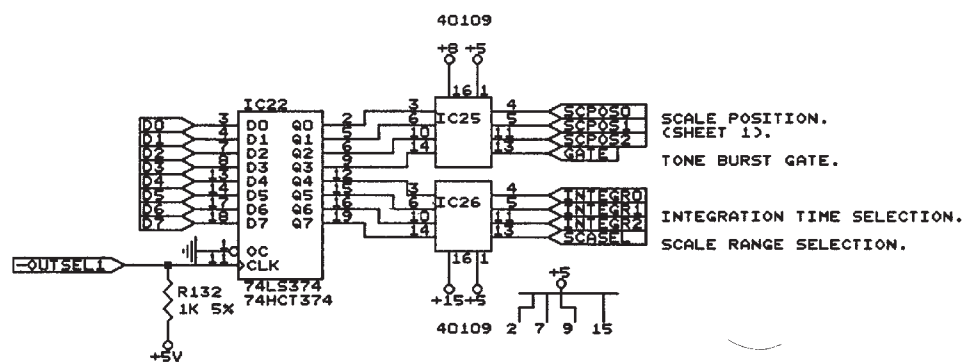
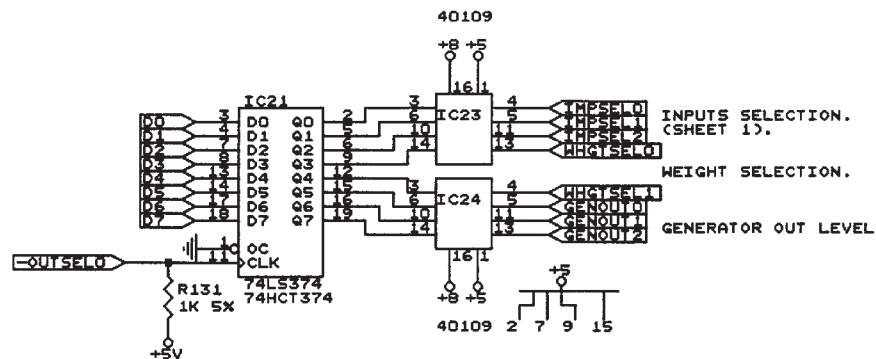


NOTE: R3 THRU R17, C1 THRU C9
DO AND D1 ARE REPEATED FOR EACH
ONE OF THE 30 FILTERS.

C2 IS MISSING.
R2 IS MISSING.

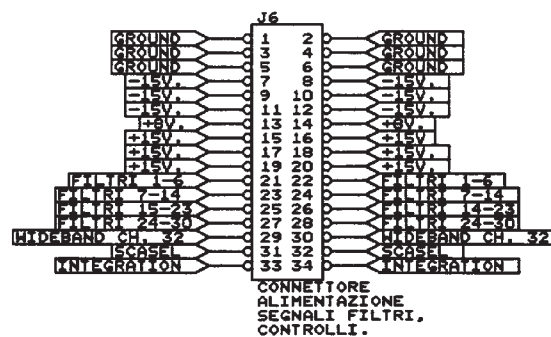
FILTRI 4 POLI FDNR ENHANCED, RADDRIZZATORI,
INTEGRATORI ESPONENZIALI, A/D CONV., MPX
DIGITALE, FPGA VIDEO CONTROLLER, MICRO-
PROCESSORE, ALIMENTAZIONE.

Title		
SCHEDA FILTRI ANALIZZATORE MOD. 3000		
Size	Document Number	REV
B	D:\ORCAD\SHEET\3000\FILT3000	01
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INTEGRATION CONTROL

CODE	TIME.
000	1/8 s.
001	1/4 s.
010	1/2 s.
011	1 s.
100	2 s.
101	4 s.
110	8 s.
111	16 s.



LAST COMPONENT USED LIST.

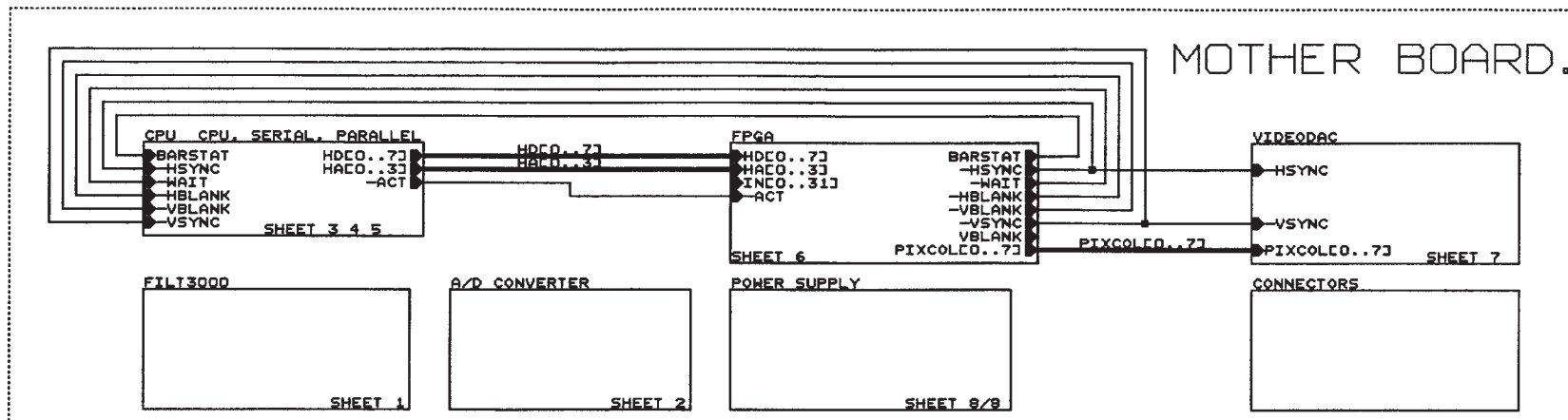
SW1 CV1 P10 R146 J6 C84 D4 REG02 IC28

ANALIZZATORE DI SPETTRO MOD. 3000
GENERATORE DUTY CYCLE PER
INTEGRATORE ESPONENZIALE.
LOGICA CONTROLLO AMPLIFICATORI.

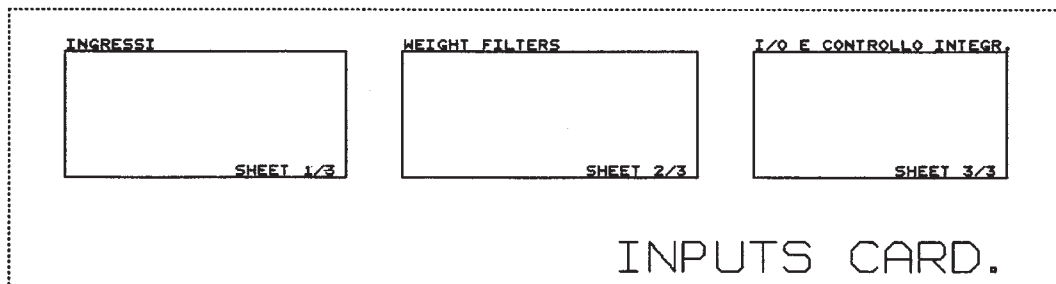
Title
SCHEDA INGRESSI ANALIZZATORE MOD. 3000

Size Document Number
B D:\ORCAD\SHEET\3000\INTE3000 REV 01

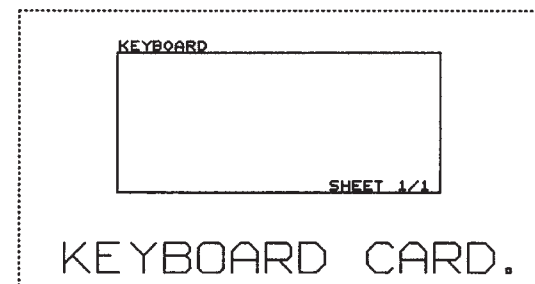
FILTERS, RECT., INTEGR., ADC, VIDEO CONTR., CPU, SERIAL, PARALLEL CARD.



MICRO/LINE PREAMP., WEIGHT FILTERS, GENERATOR.

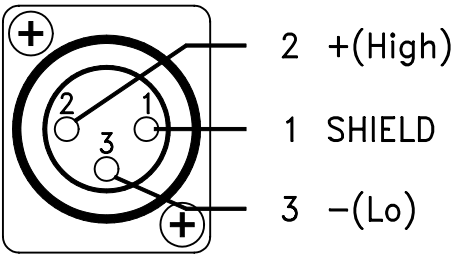


KEYBOARD CARD.

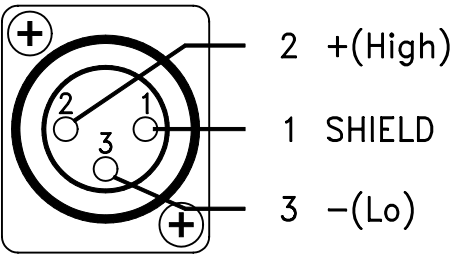


PIN CONFIGURATIONS:

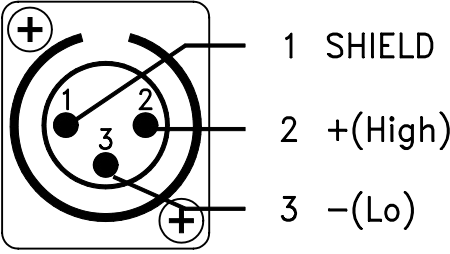
Micro Input
Connector



Line Input
Connector

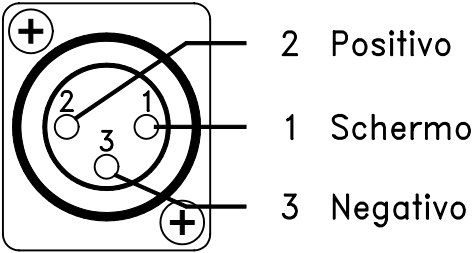


Generator out
Connector

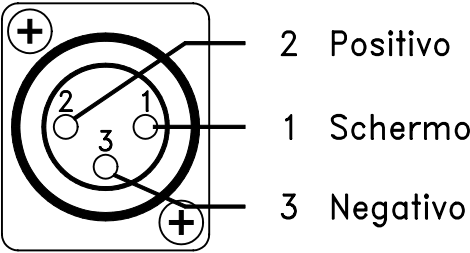


PIEDINATURA CONNETTORI:

Connettore
Ingressi Micro



Connettore
Ingressi Linea



Connettore
Uscita Generatore

