



MX 8

STEREO MIXER

MX8P

POWERED MIXER

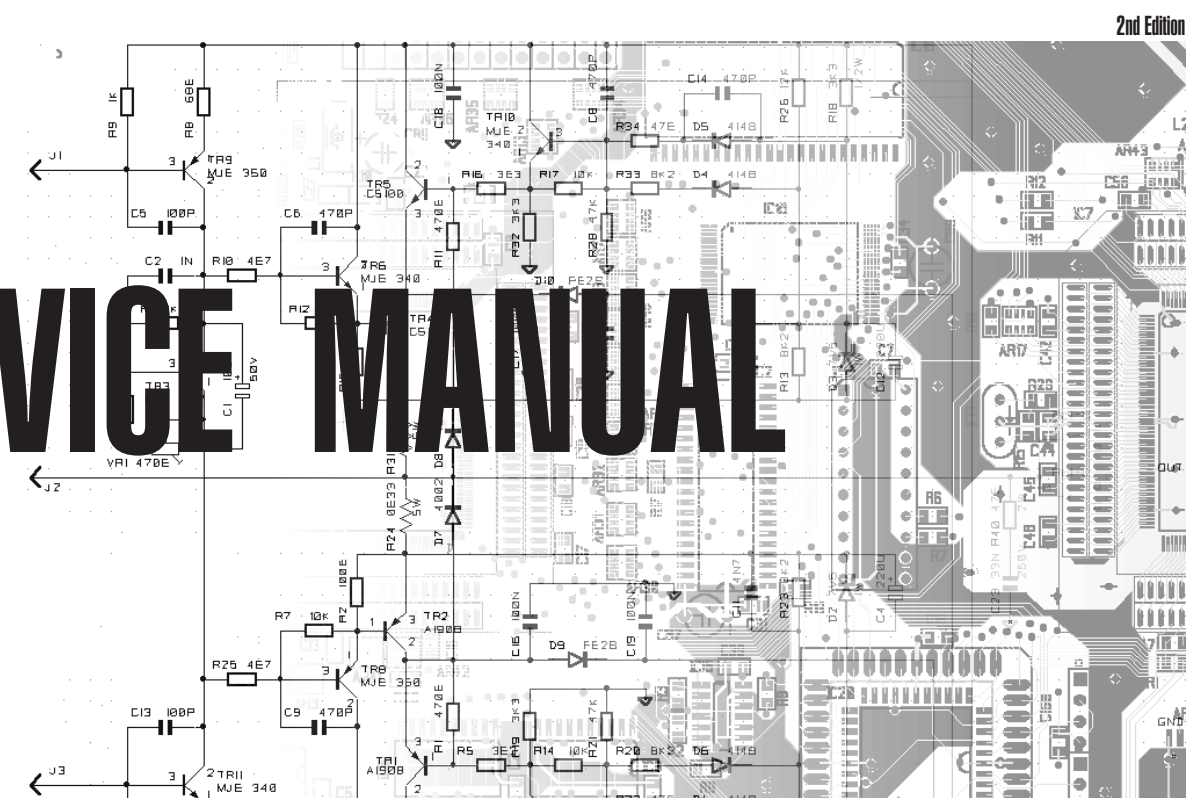
MX8FX

STEREO MIXER

MX8PFX

POWERED MIXER

SERVICE MANUAL



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Warnings



Notice

Service must be carried out by qualified personnel only. Any tampering carried out by unqualified personnel during the guarantee period will forfeit the right to guarantee.

For a correct operation of the instrument, after having switched off, be careful to wait at least 3 seconds before switching on again.

To improve the device's specifications, the schematic diagrams may be subject to change without prior notice.

All components marked by this symbol have special safety characteristics, when replacing any of these components use only manufacturer's specified parts.

The (μ) micro symbol of capacitance value is substituted by U.

The (Ω) omega symbol of resistance value is substituted by E.

The electrolytic capacitors are 25Vdc rated voltage unless otherwise specified.

All resistors are 1/8W unless otherwise specified.

All switches shown in the "OFF" position. All DC voltages measured to ground with a voltmeter 20KOhm/V.

← Soldering point. ↑ Supply voltage. ⊥ Logic supply ground.

• Male connector. □ Test point. ⊥ Analog supply ground.

○ Female connector. ◯ Flag joined with one or more flags ⊥ Chassis ground.

— M/F faston connector. with the same signal name inscribed. ⊕ Earth ground.



ATTENTION

Observe precautions when handling electrostatic sensitive devices.

Address

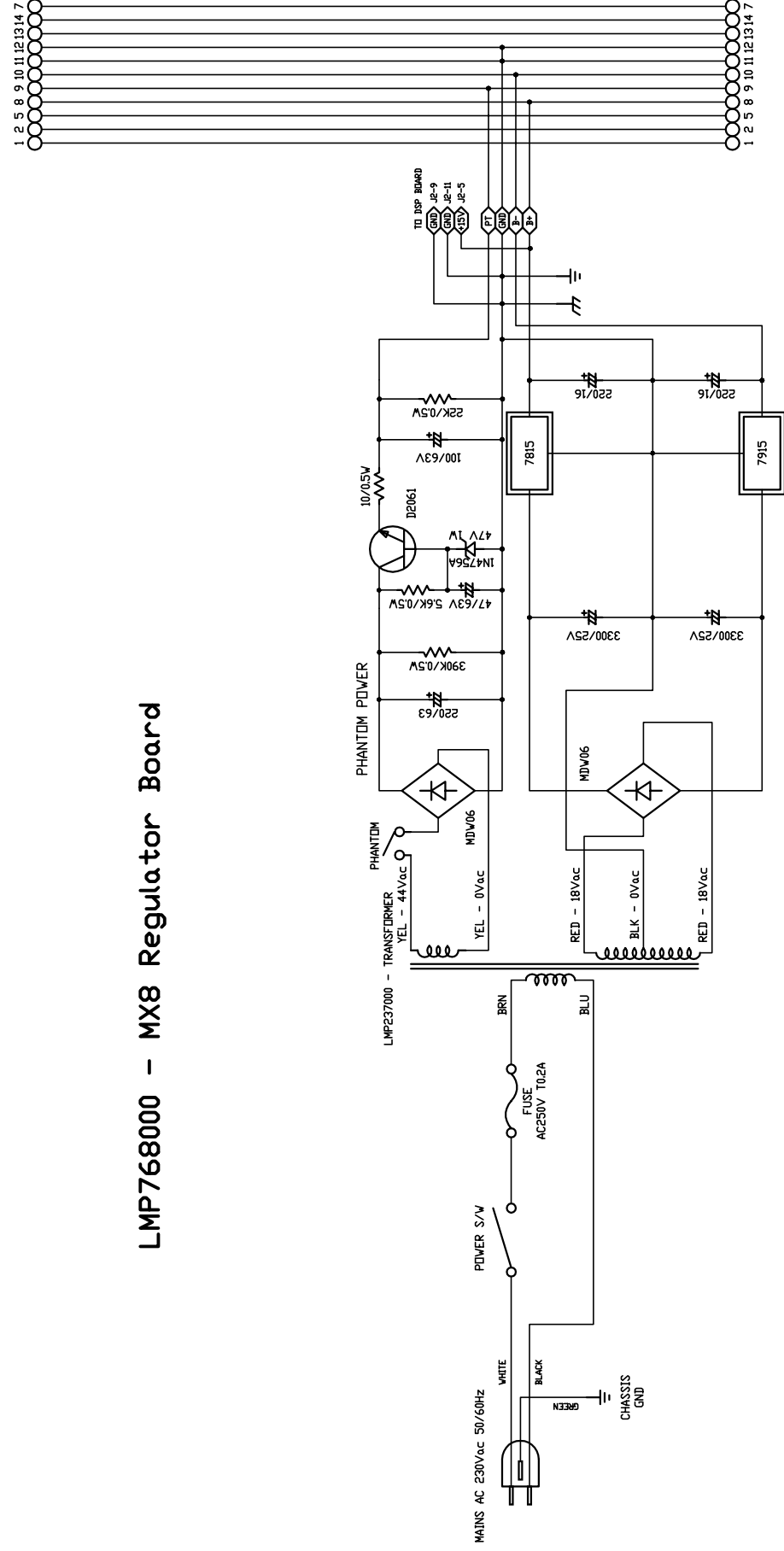
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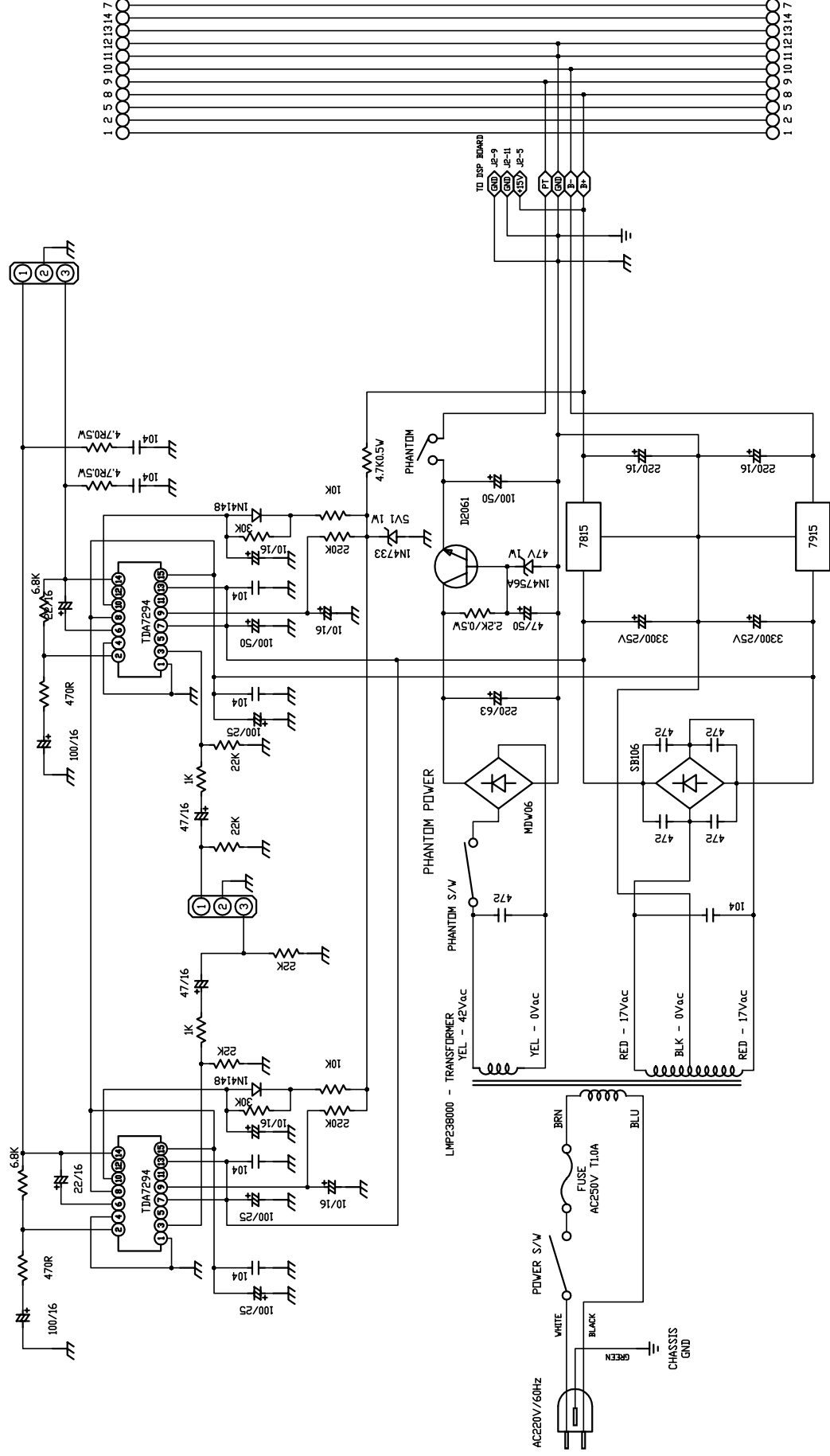
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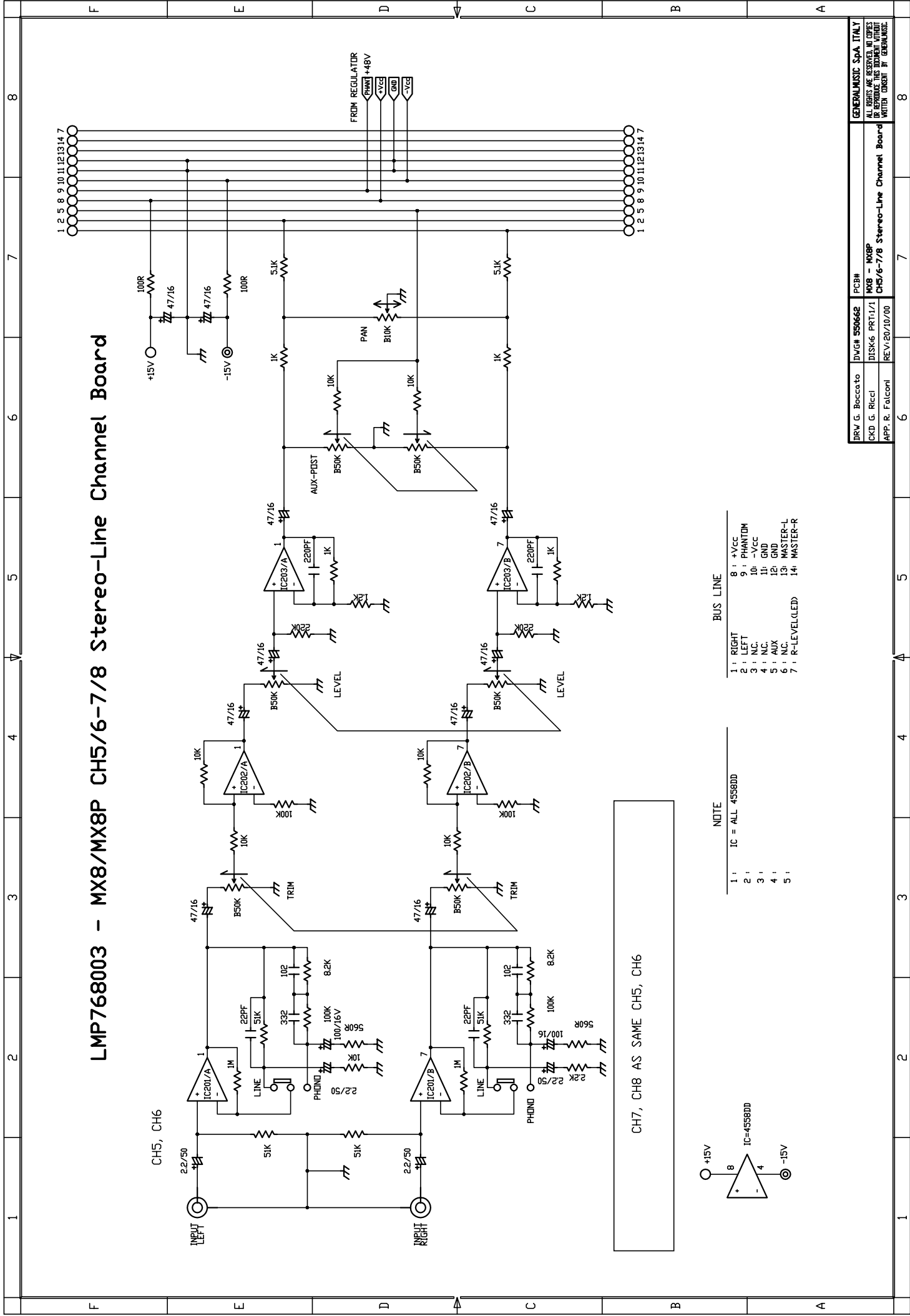
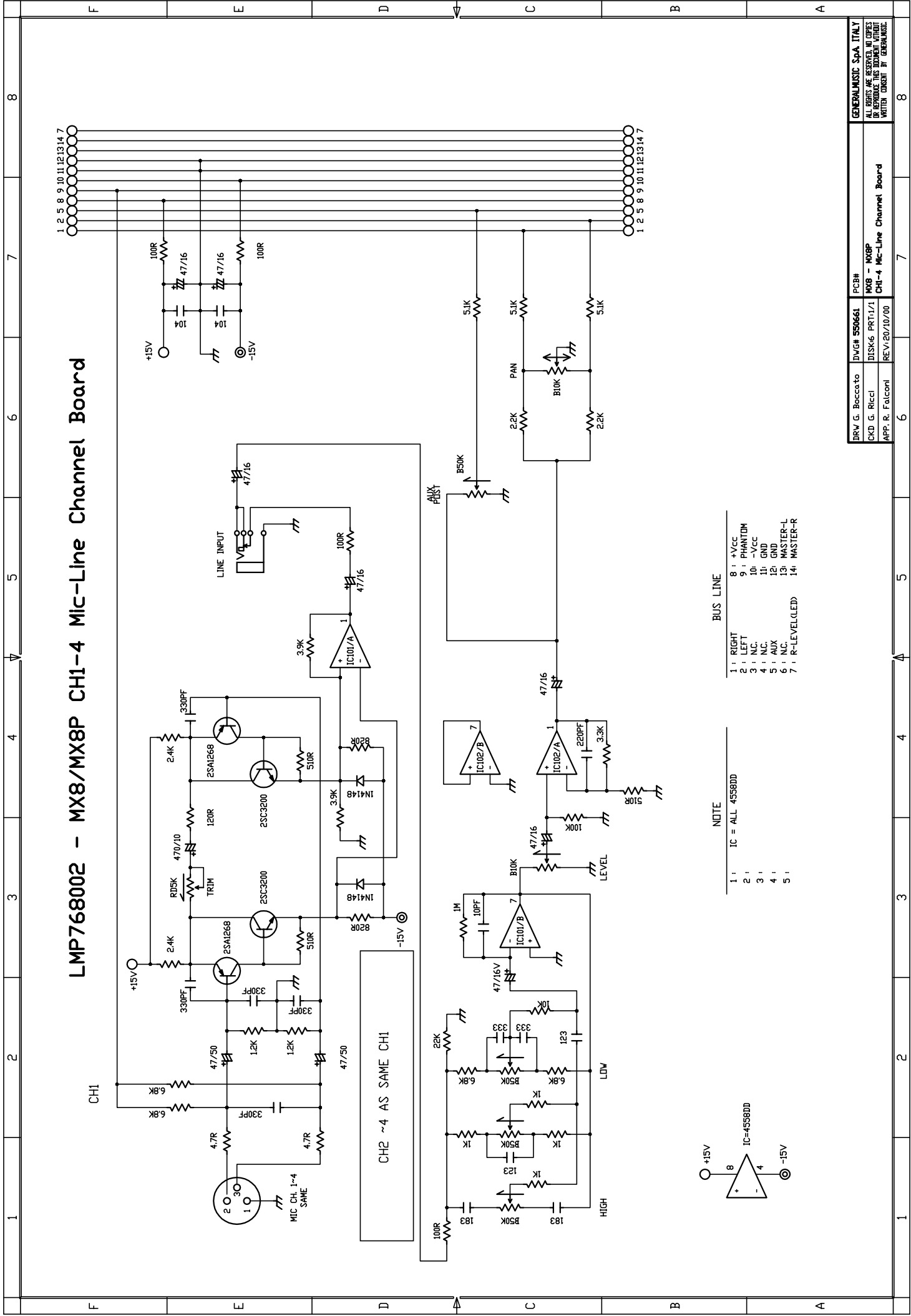


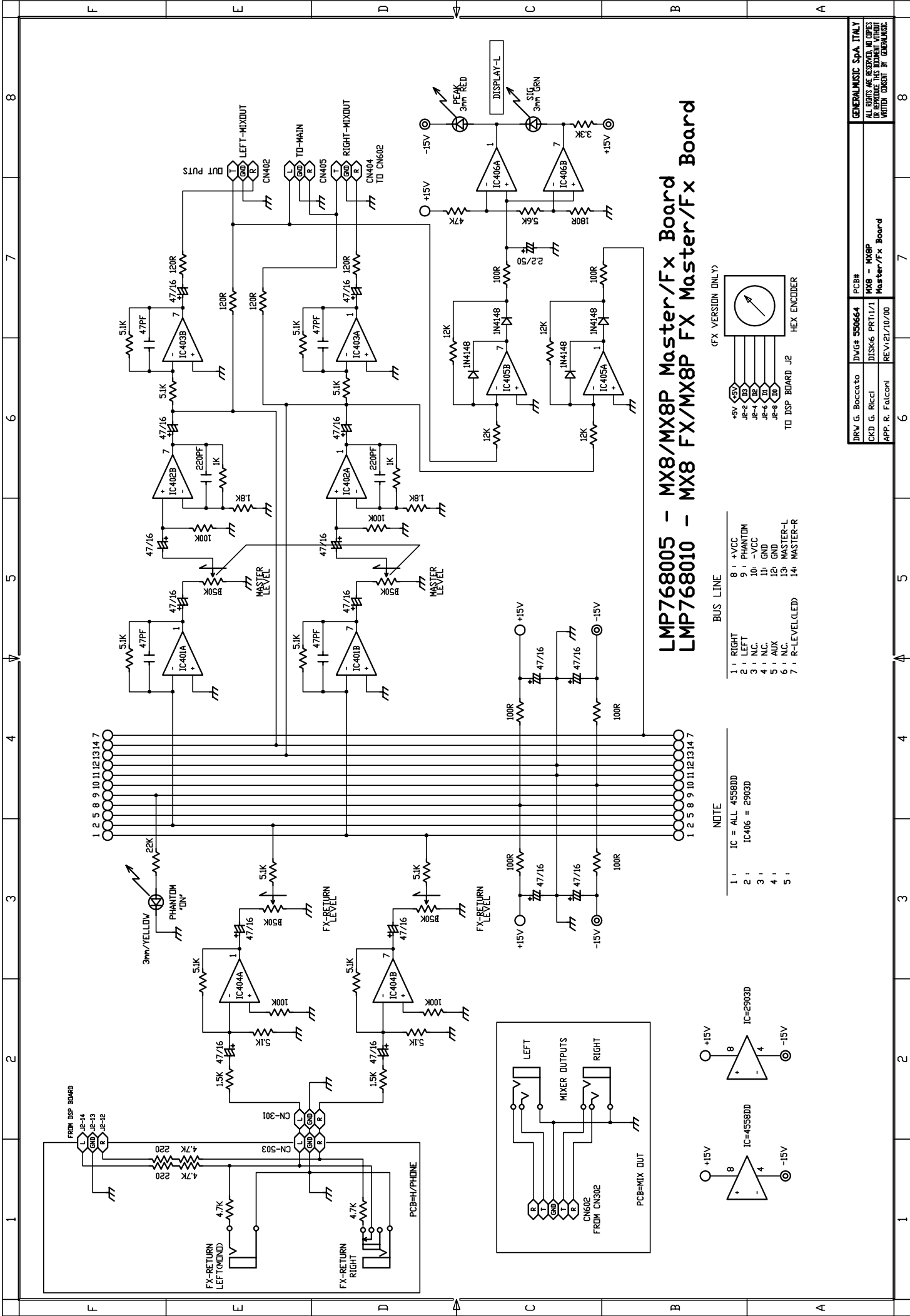
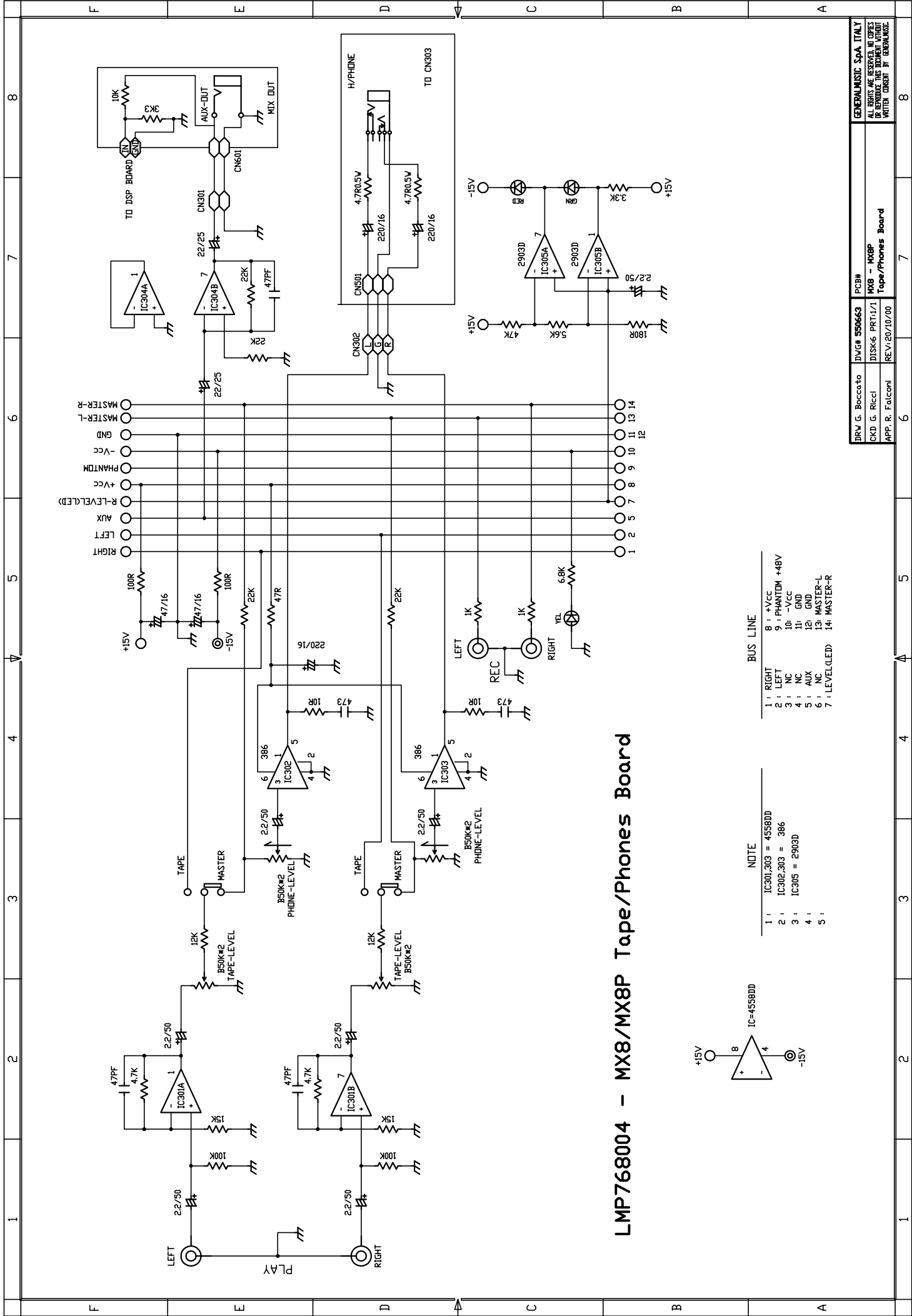
DRW G. Boccato	DWG# 550659	PCB#	<p>GENERALMATIC S.p.A. ITALY</p> <p>ALL RIGHTS ARE RESERVED. NO OTHERS MAY REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMATIC.</p>
CXD G. Ricci	DISK6 PRT1/1	M8	
APP. R. Falconi	REV.24/10/00	Regulator Board	

LMP768001 – MX8P Amplifier & Regulator Board

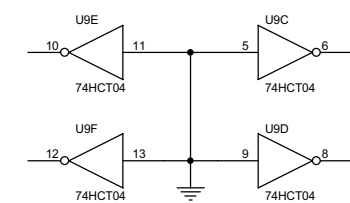
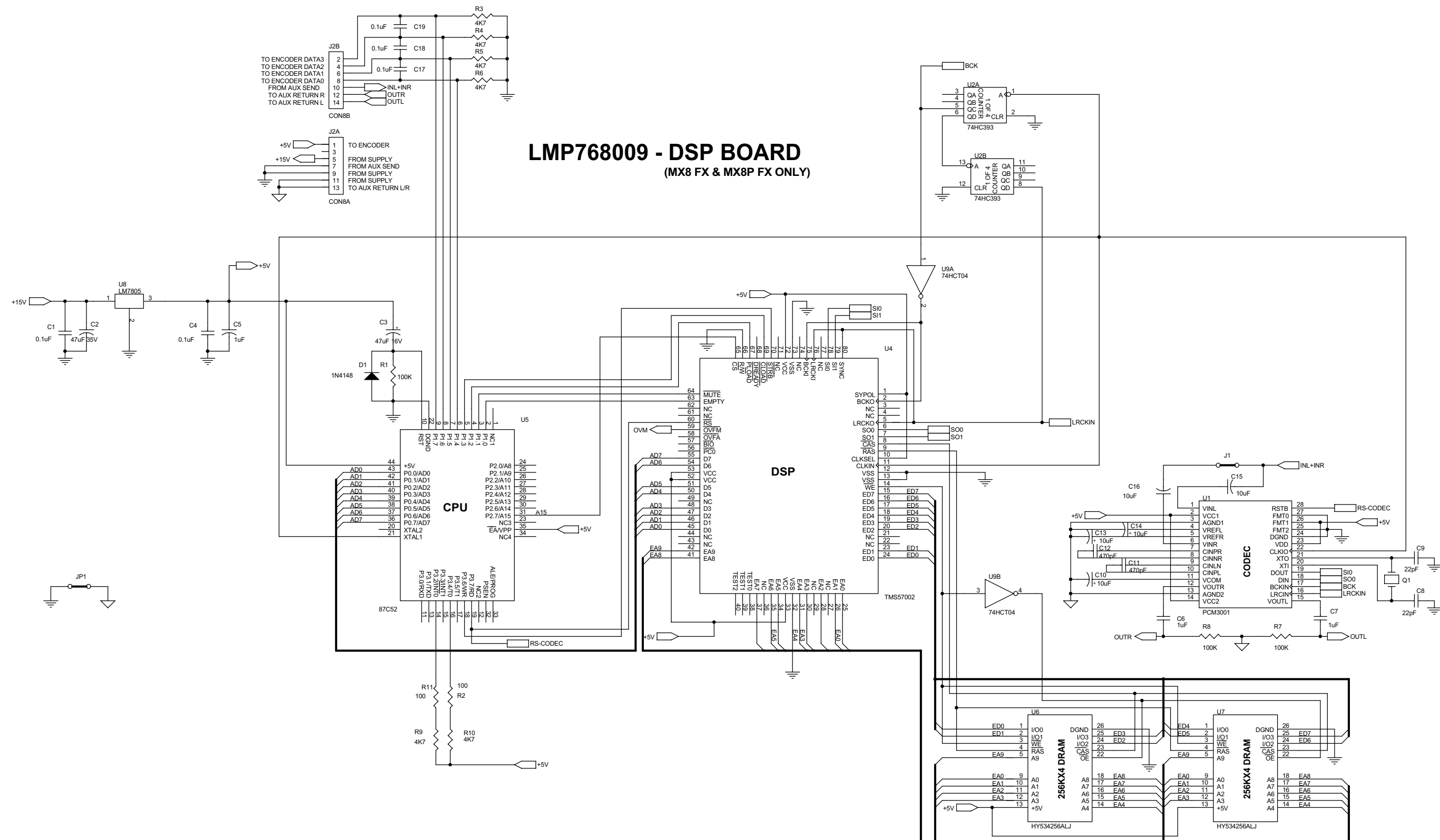


DRV G. Boccato	DWG# 550660	PCB#	AMPLIFIER & REGULATOR BOARD ALL RIGHTS ARE RESERVED. NO OFFICES OR REPRESENTATIVES MAY REPRODUCE OR TRANSMIT THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERAL MUSIC.
CXD G. Ricci	DISK# 6 PRT1/1	MX8P	
APP R. Falconi	REV:20/10/00		
GENERAL MUSIC SpA ITALY			





LMP768009 - DSP BOARD
(MX8 FX & MX8P FX ONLY)



GENERALMUSIC S.p.A.		
Title DSP EFFECTS BOARD FOR MX8/8P FX		
Size A2	Document Number 550738	Rev A
Date: Monday, October 20, 2003	Sheet 1	of 1

Code	Description
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Mechanical Parts

LMP667000	MX8 Bottom Chassis
LMP667000	MX8 Top Chassis
LMP667001	MX8P Top Chassis
LMP667010	MX8 FX Bottom Chassis
LMP667011	MX8P FX Bottom Chassis
LMP667008	MX8 FX Top Chassis
LMP667009	MX8P FX Top Chassis
LMP667004	MX8 Left Side
LMP667005	MX8 Right Side
LMP667006	MX8P Left Side
LMP667007	MX8P Right Side
LMP347000	Red Knob
LMP347001	Blue Knob
LMP347002	Black Knob
LMP347003	Yellow Knob
LMP347004	White Knob
LMP347005	White Knob For DSP/Encoder

110117	Fuse Holder 5x20mm for Panel
110016	T200mA Fuse 5x20mm (EU)
110011	T1A Fuse 5x20mm (EU)
110285	4A 250Vac Bipolar Power Switch
LMP237000	Shielded Transformer 20W 230Vac/18+18/44Vac
LMP238000	Toroidal Transformer 135W 230Vac/17+17/42Vac

LMP768000 MX8 Regulator Board	
LMP768001 MX8P Amplifier & Regulator Board	
080168	W02M 1.5A Rectifier Diodes Bridge
LMP080600	GBPC802 8A 200V Rectifier Diodes Bridge
030853	3300u 25V 20% Vert Electrolytic Capacitor
030567	220u 63V 20% Vert Electrolytic Capacitor
100060	7815 +15V 1A Voltage Regulator
100049	7915 -15V 1A Voltage Regulator
340078	TO220 Insulated Bush
340079	TO220 Mica Washer
090918	MJE15030 TO220 Npn Transistor (2SD2061 equivalent)
100965	TDA7294 70W Audio Amplifier with Mute
LMP080200	1N4733A 5V1 1W 5% Zener Diode
LMP080201	1N4756A 47V 1W 5% Zener Diode

LMP768002 CH1-4 Mic-Line Channel Board	
LMP140000	Tall Horizontal Jack Mono Female Socket
LMP141000	Horizontal Female XLR Socket
LMP075000	5KC(D) AntiLog Rotary Potentiometer
LMP074001	50KB Linear Rotary Potentiometer
LMP074000	10KB Linear Rotary Potentiometer
LMP090000	KTC3200GR TO92 LN Npn Transistor
LMP090001	KTC1268GR TO92 LN Pnp Transistor
080103	1N4148 100mA 75V Signal Diode
100051	MC4558CP1 Dual Operational Amplifier

LMP768003 CH5/6-7/8 Stereo-Line Channel Board	
LMP074002	50KBX2 Linear Rotary Potentiometer
LMP074000	10KB Linear Rotary Potentiometer
LMP140004	Dual Horizontal Female RCA Socket
LMP110000	2sw 2pos Horizontal Slider Switch
100051	MC4558CP1 Dual Operational Amplifier

LMP768004 Tape/Phones Board	
LMP074002	50KBX2 Linear Rotary Potentiometer
080714	Led 5mm 60deg Diffused Red
080705	Led 3mm 60deg Diffused Red
080706	Led 3mm 60deg Diffused Green
LMP110000	2sw 2pos Horizontal Slider Switch
100051	MC4558CP1 Dual Operational Amplifier
LMP100000	NJM2903 Dual Comparator
LMP100001	NJM386 Low Voltage Audio Amplifier
LMP140005	Quad Horizontal Female RCA Socket

LMP768005 MX8/MX8P Master/Fx Board

LMP768010 MX8 FX/MX8P FX Master/Fx Board

DSP Board	
LMP768009	DSP Board (MX8 FX & MX8P FX only)
	The service is made only with replacement of entire board.

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Each spare part is single quantity unless otherwise specified.	
Asterisk prefix explanation:	
Omitted	= First level spare part.
One asterisk	= Second level, part of previous listed first level part.
Two asterisk	= Third level, part of previous listed second level part.
Three asterisk	=
Any request for not above mentioned part must encompass specific description including:	
1) Model name,	
2) Section name,	
3) Module code,	
4) Reference name,	
5) Quantity number.	

STEREO INPUT CHANNEL			
STEREO LINE input channel	<i>sensitivity</i>	-20dB	RCA phono
MONO input channel	<i>sensitivity</i>	-50dB (with RIAA equalization)	

K output	<i>output level</i> <i>impedance</i>	+4dB 1kOhms	JACK balanced
X output	<i>output level</i> <i>impedance</i>	+4dB 1kOhms	JACK unbalanced
RETURN	<i>sensitivity</i>	-20dB	JACK unbalanced
PE	<i>IN</i> <i>OUT</i>	-20dB 0dB	RCA phono
ADPHONES	<i>minimum impedance</i> <i>output level</i>	220 Ohms 7V	JACK stereo

converters	bit	18
converters	bit	18
Internal dynamics	bit	24
Sampling frequency	kHz	44.1
RESETS number		15
Effects		HALL REVERB, ROOM REVERB, PLATE REVERB, STEREO DELAY

output power (1 kHz, THD 1%)	50 + 50 Watts / 4 Ohms	2 x JACK
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frequency response		20Hz - 20kHz, -3dB	
THD & Noise		-80dB	
harmonic distortion (THD)		<0.1% @ 1kHz	
power supply		see label on the apparatus	
weight (MX 8)	kg	2.7	
dimensions (MX 8)	mm (WxHxD)	270x100x300	
weight (MX 8P)	kg	2.9	
dimensions (MX 8P)	mm (WxHxD)	270x120x300	