

**SERVICE MANUAL**  
**Schematic Diagrams**



Block Diagram	3
Spare Part List	12
DM8	
Master Board, VU-Meter PFL Module	4
Out-Balance Boards	5
Phono-Line Board, Mic-Line Board	6
Mic-Line DJ Board, VU-Meter Module	7
DM6	
Mic-Line Boards	8
Phono-Line Boards	9
Out-Balance Boards	10



**Notice**  
Service must be carried out by qualified personnel only.  
period will forfeit the right to guarantee.

**Schematic Notes**

- manufacturer's specified parts.
- $\mu$   $\Omega$
- |   |                       |
|---|-----------------------|
| Soldering point.  | Supply voltage.       |
| Male connector.   | Logic supply ground.  |
| Female connector.   | Analog supply ground. |
| M/F faston connector.   | Signal ground.        |
| Test point.   | Chassis ground.       |
| Flag joined with one or more flags with the same signal name inscribed. |                       |

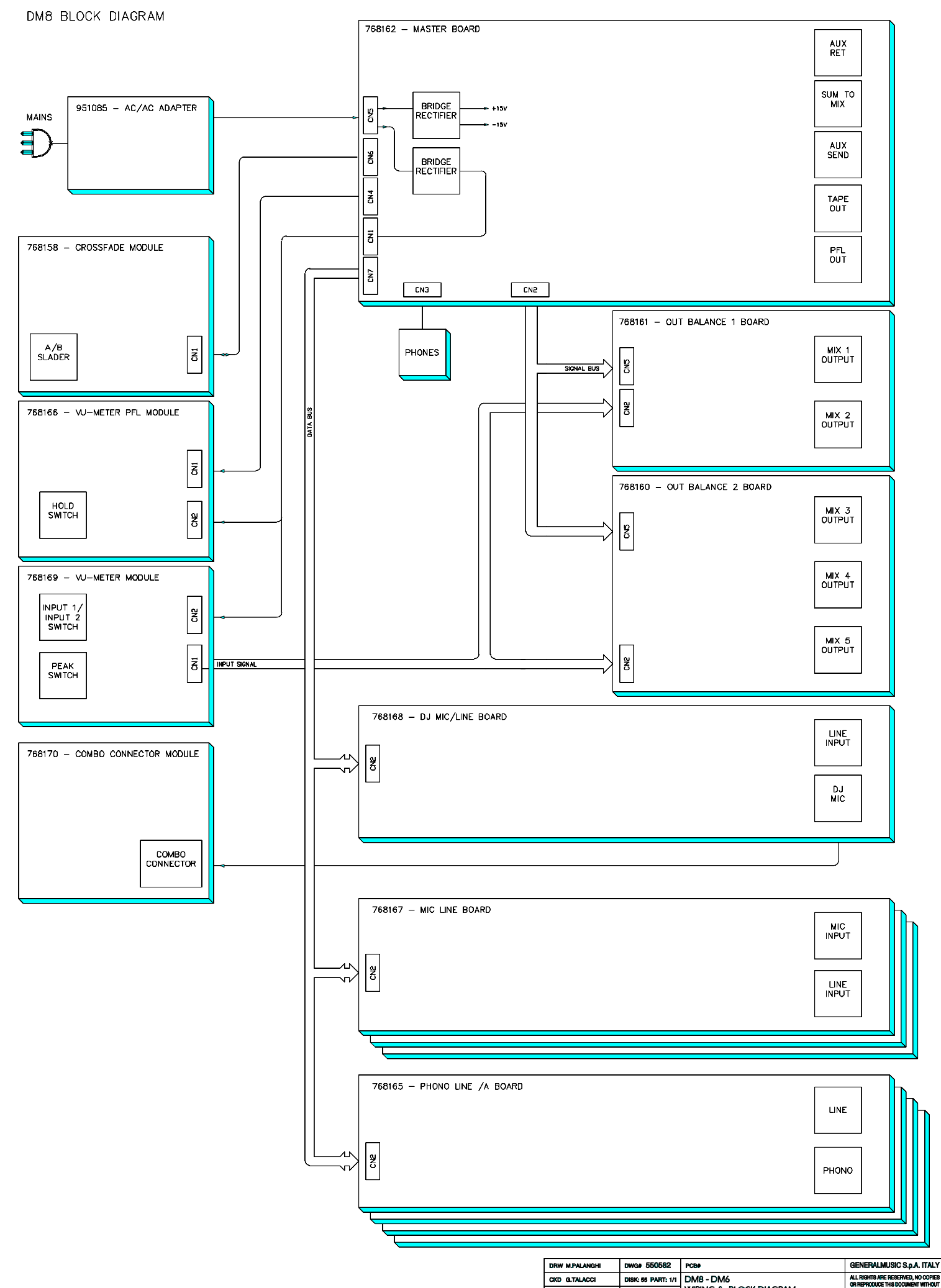
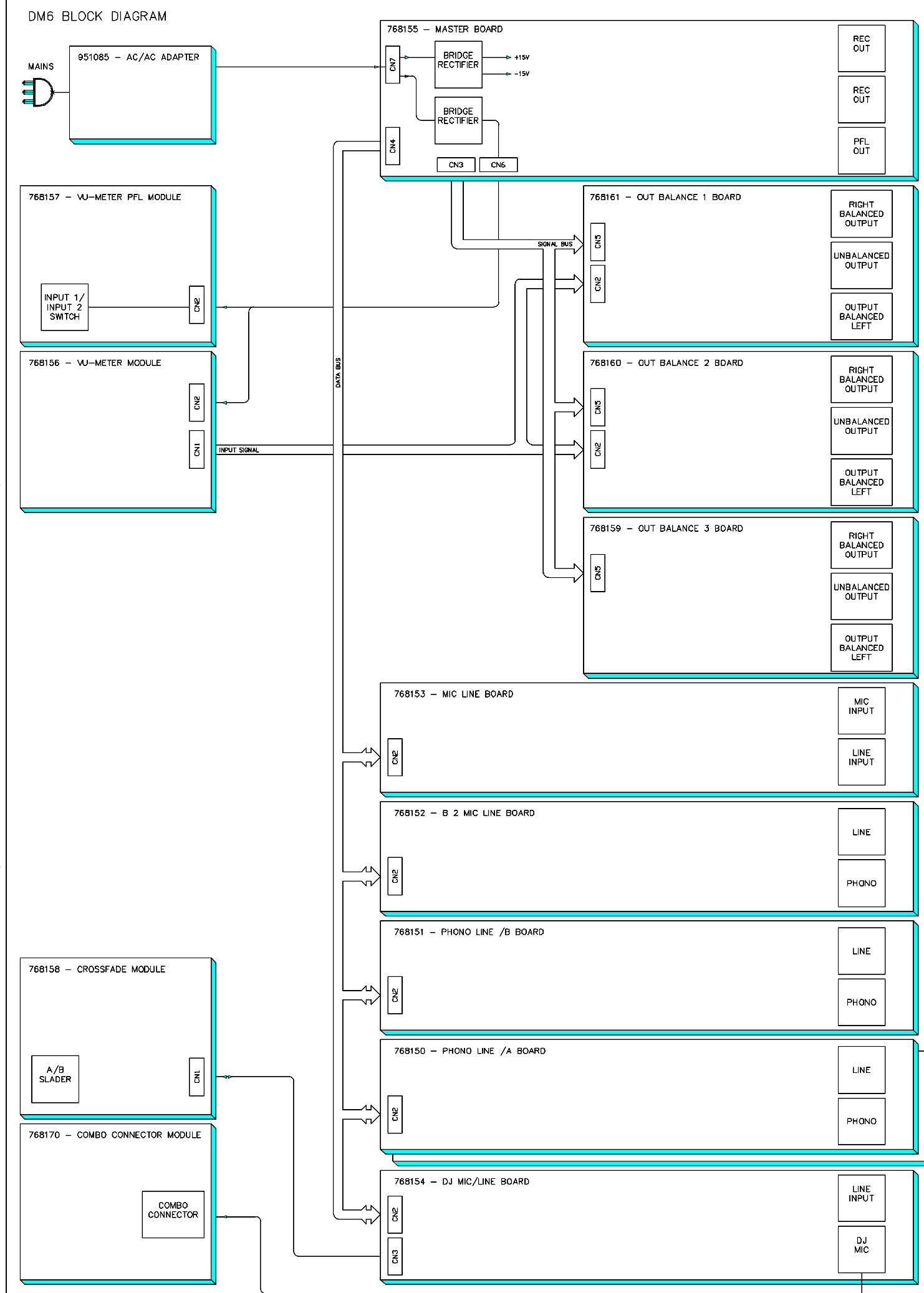


**ATTENTION**  
Observe precautions when handling  
electrostatic sensitive devices

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○

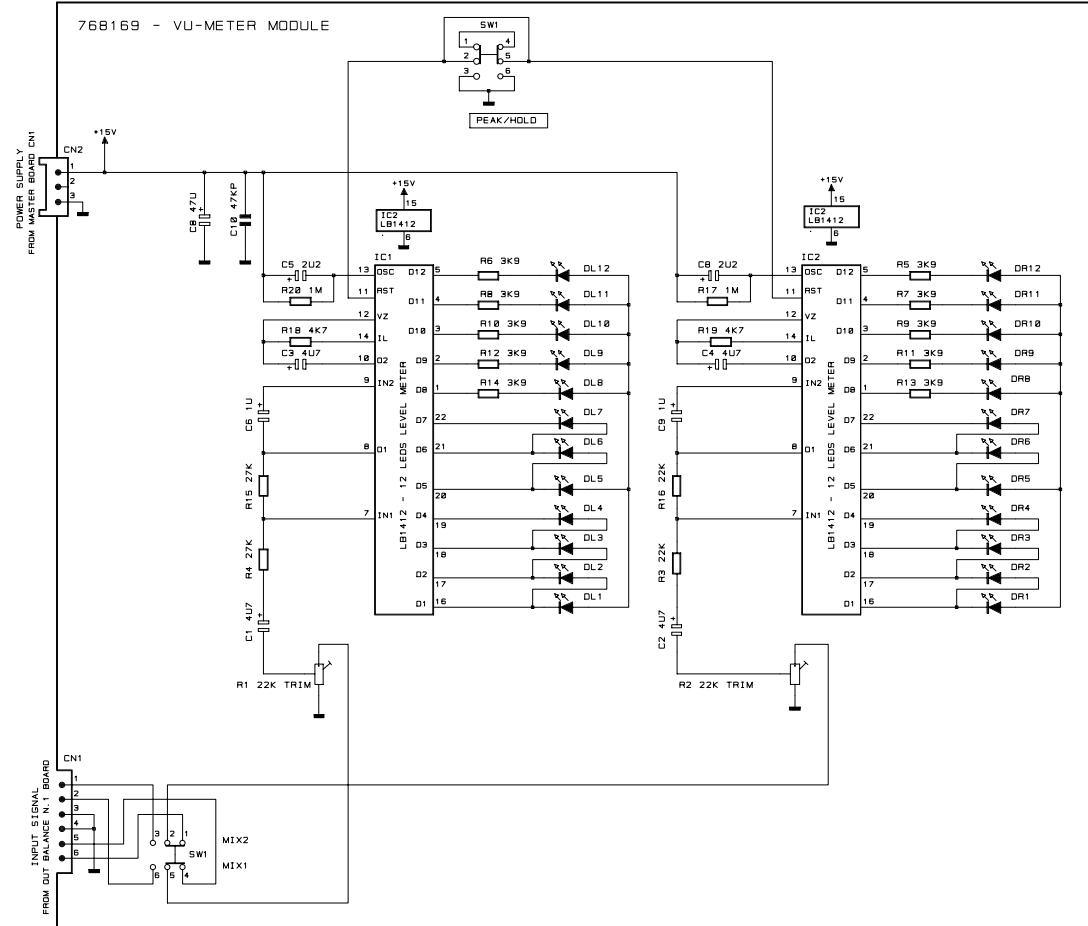
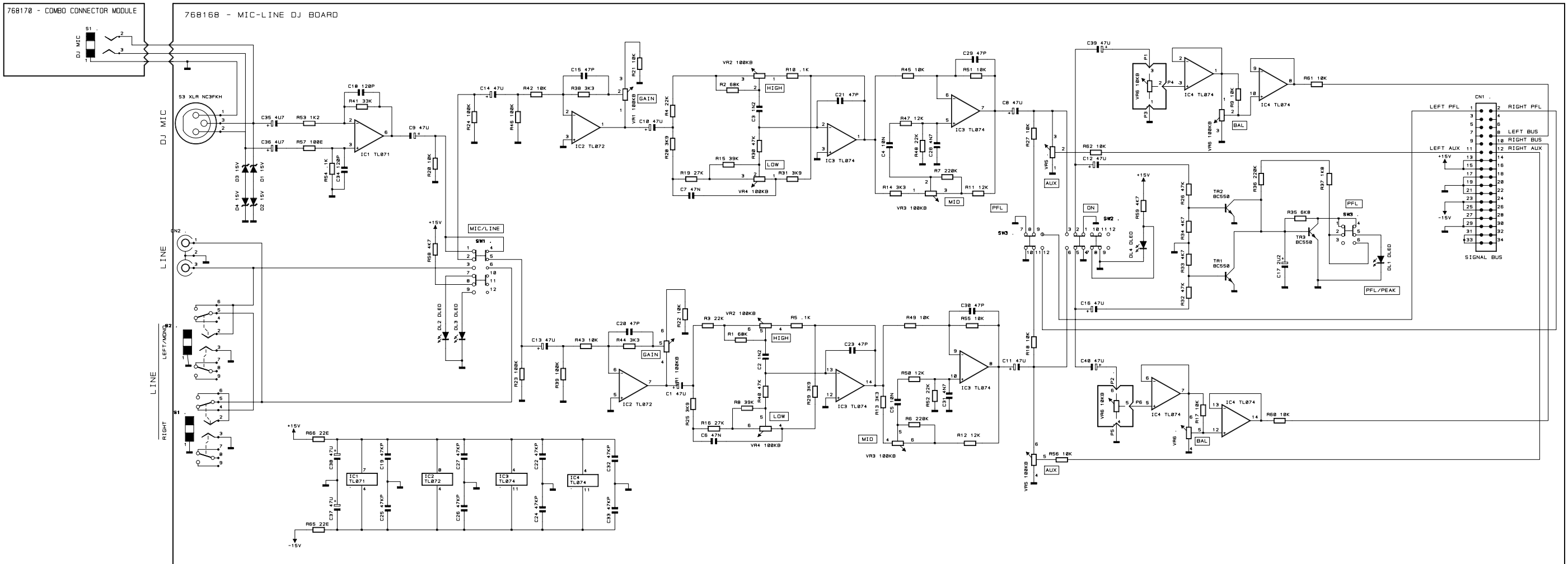


DRW: M.PALANGHI	DWG#: 550582	PCB#	GENERALMUSIC S.p.A. ITALY
CKD: G.LALACCI	DISK: 85 PART: 1/1	DM8 - DM6	ALL RIGHTS ARE RESERVED. NO COPIES
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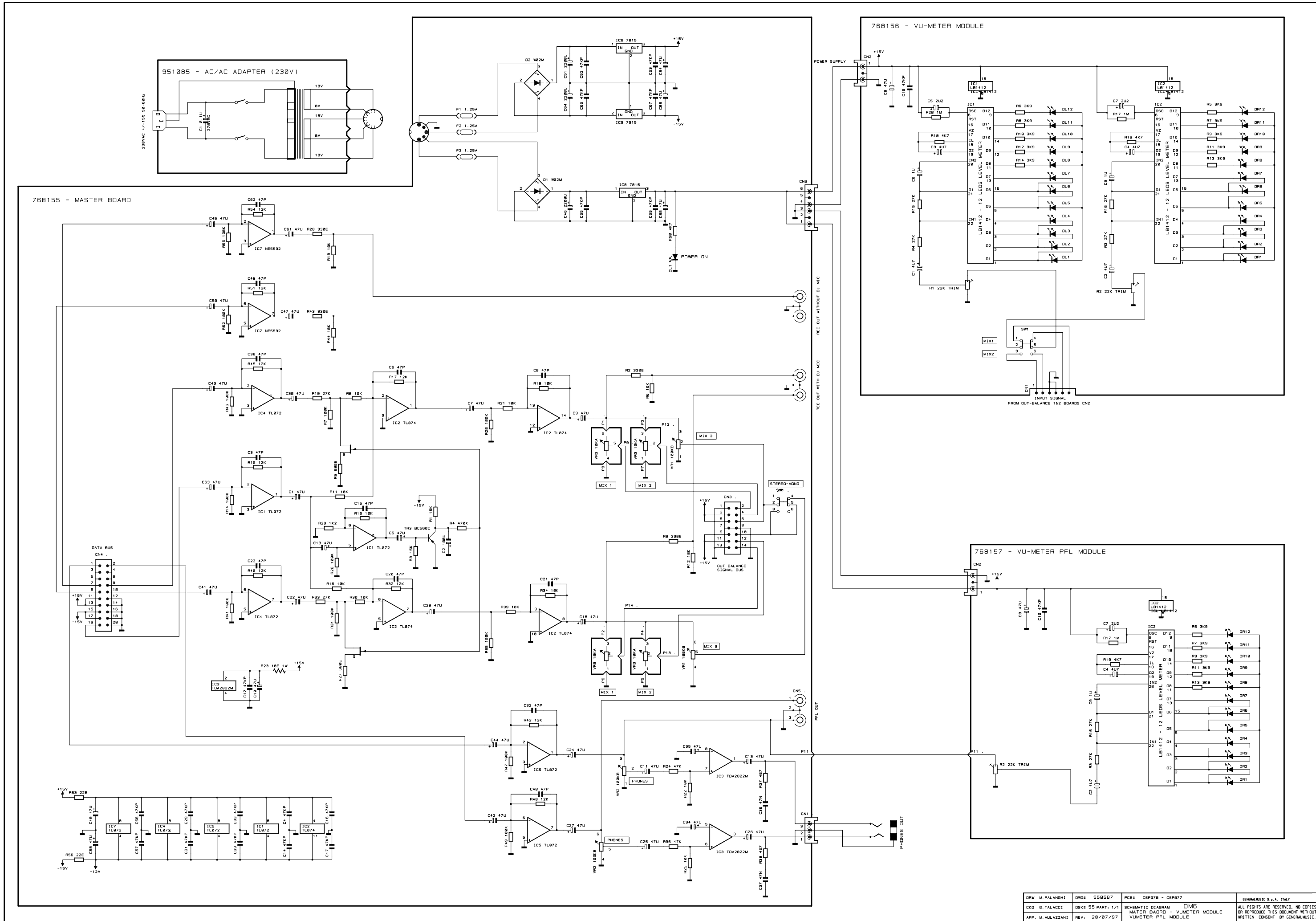




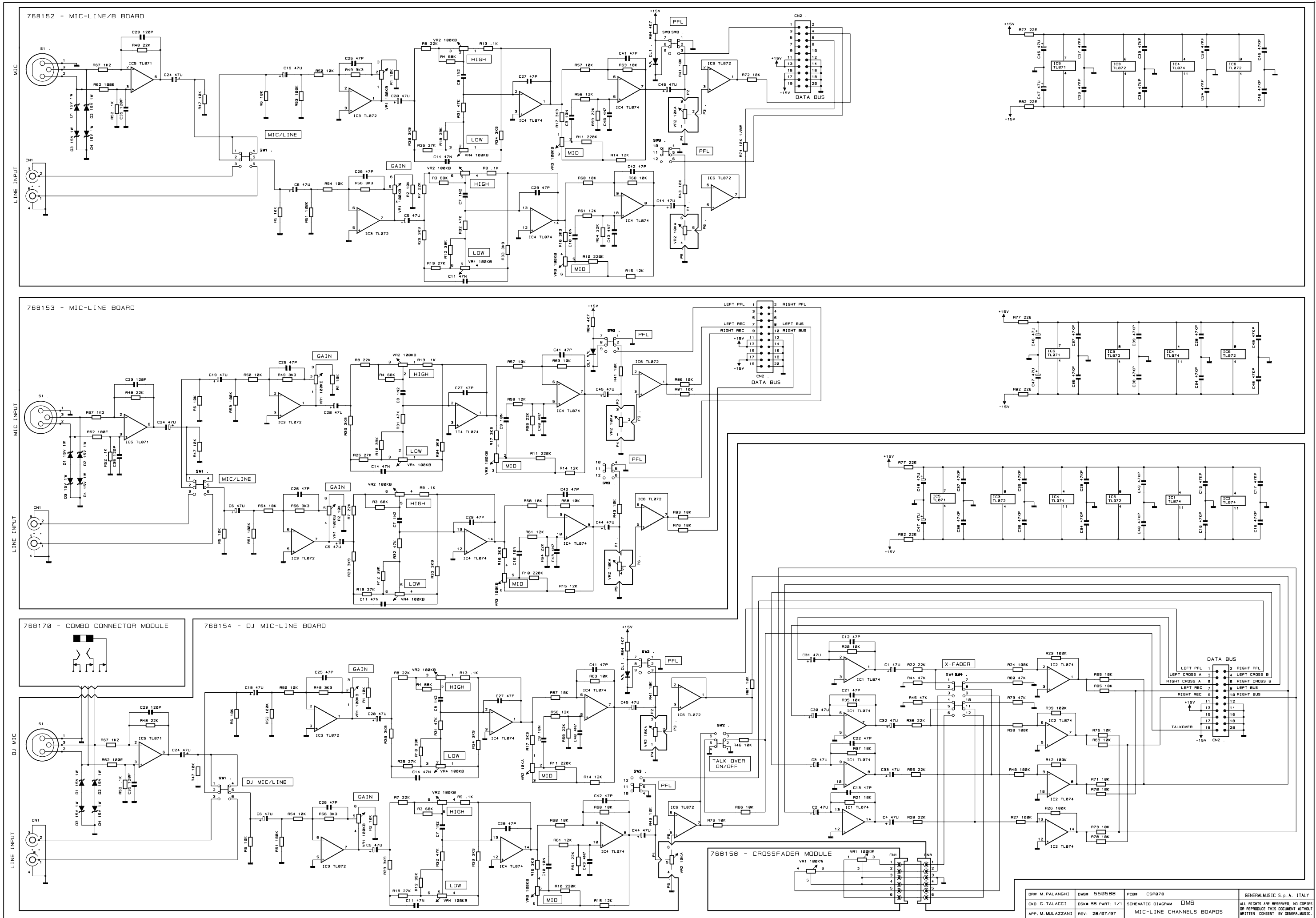


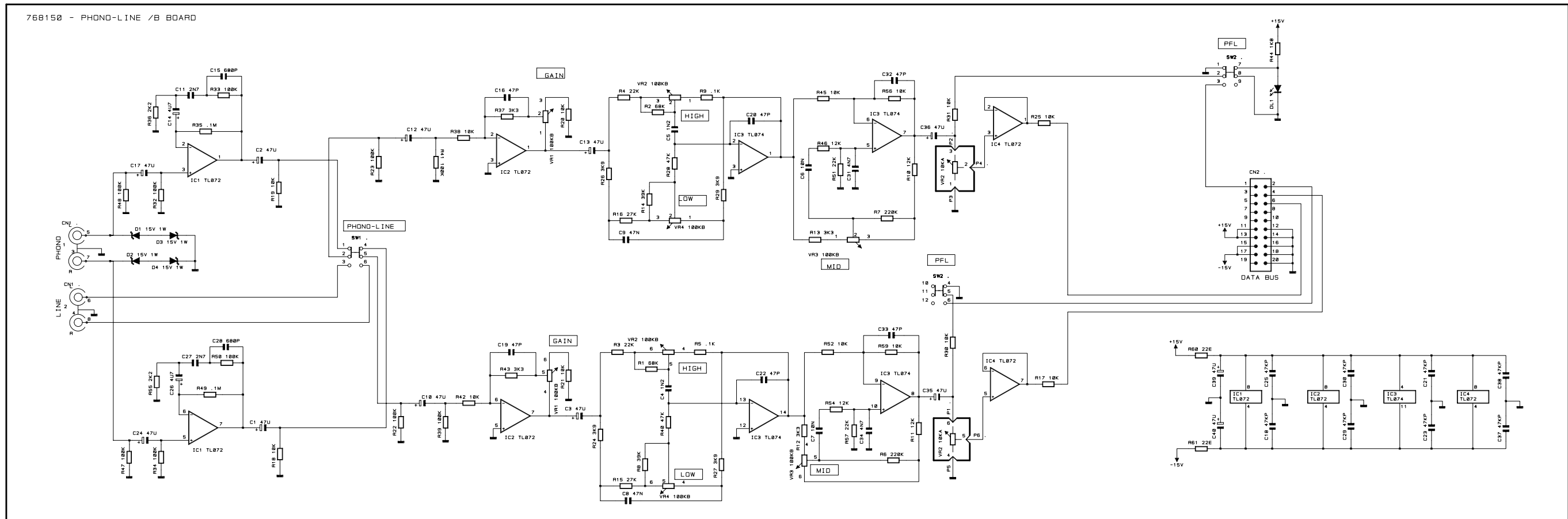
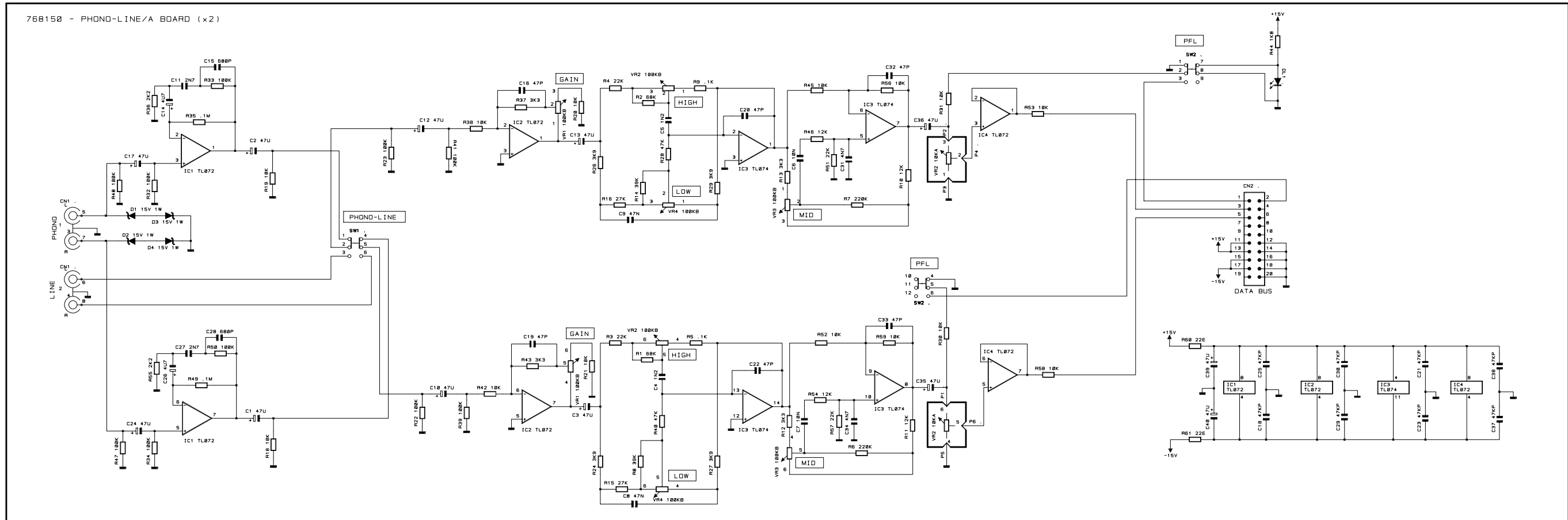


DRW M. PALANGHI	DWG# 550585	PCB# CSP888 - CSP878	DMS	GENERALMUSIC S.p.A. ITALY
CKD G. TALACCI	DSK# 55 PART: 1/1	SCHEMATIC DIAGRAM	MIC-LINE DJ BOARD	ALL RIGHTS ARE RESERVED. NO COPIES OR REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMUSIC.
APP. M. MILAZZANI	REV: 28-07-97	VU-METER MODULE		





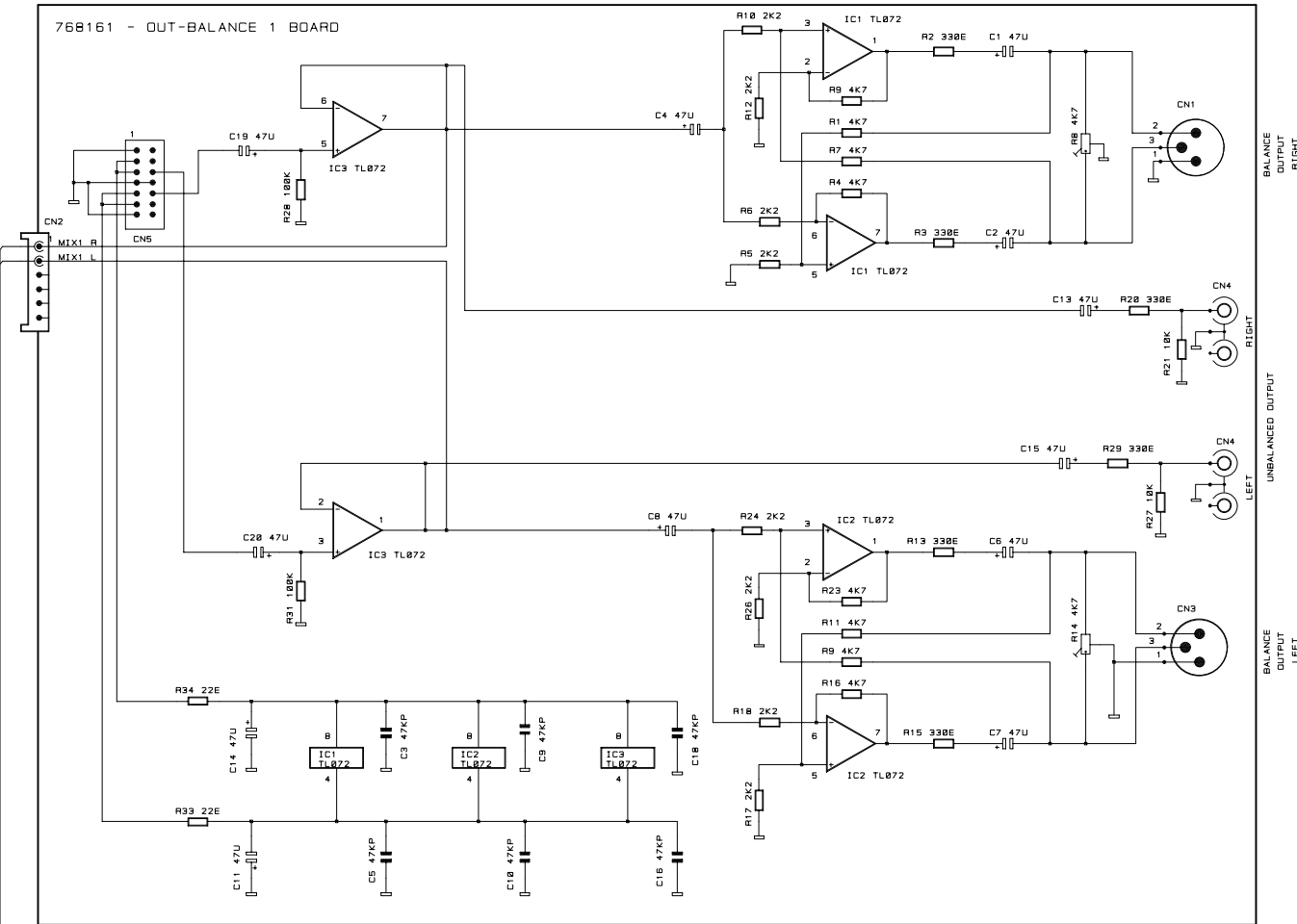




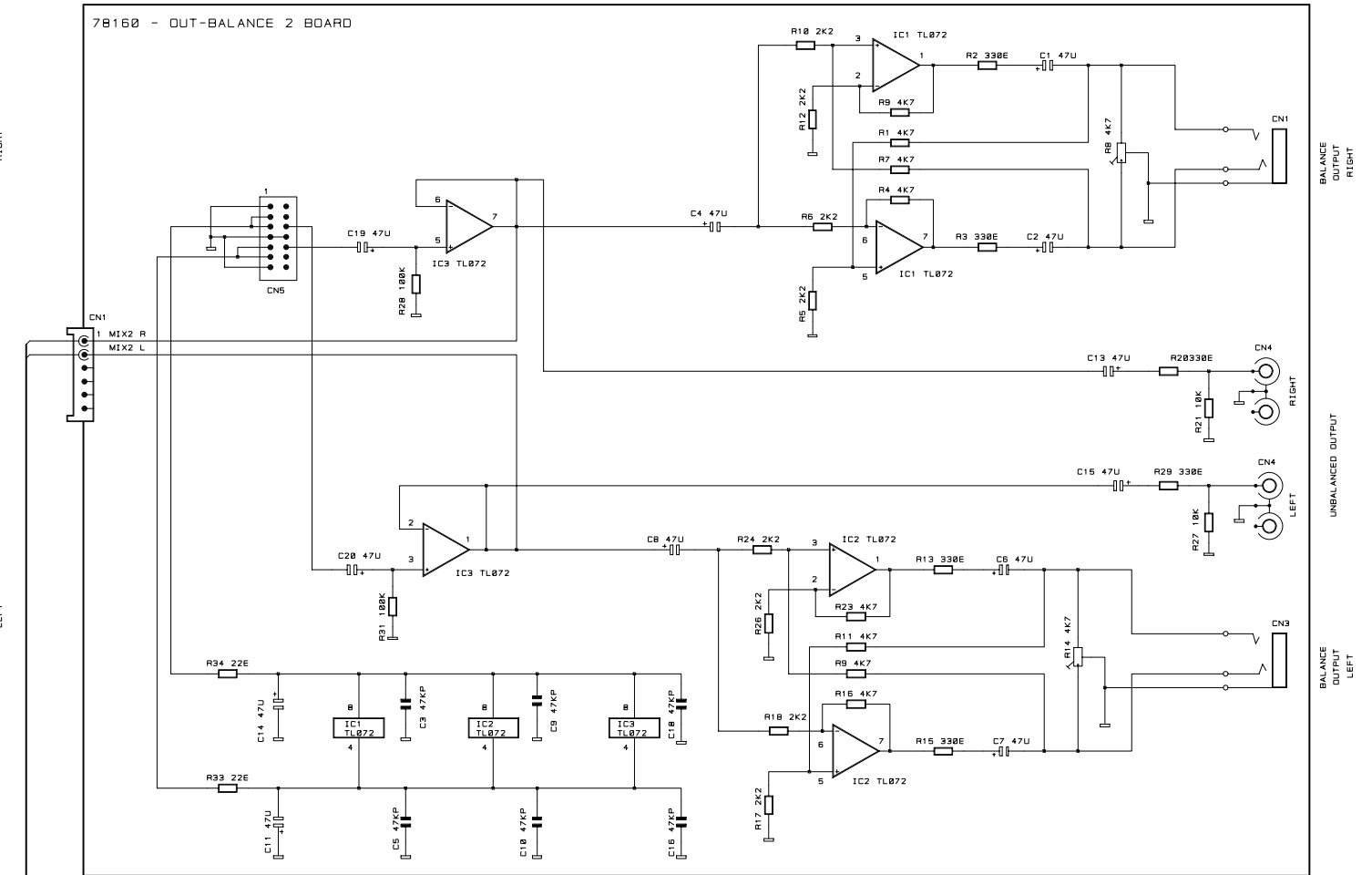
DRW. M. PALANGHI	DMG# 550589	PCB# CSP077	GENERALMUSIC S.p.A. ITALY
CKD G. TALACCI	DSK# 55 PART: 1/1	SCHEMATIC DIAGRAM DM6	ALL RIGHTS ARE RESERVED, NO COPIES OR REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMUSIC
APP. M. MUAZZANI	REV. 28-07-97	PHONO-LINE CHANNELS BOARDS	

INPUT SIGNAL  
TO VU-METER BOARD CN1

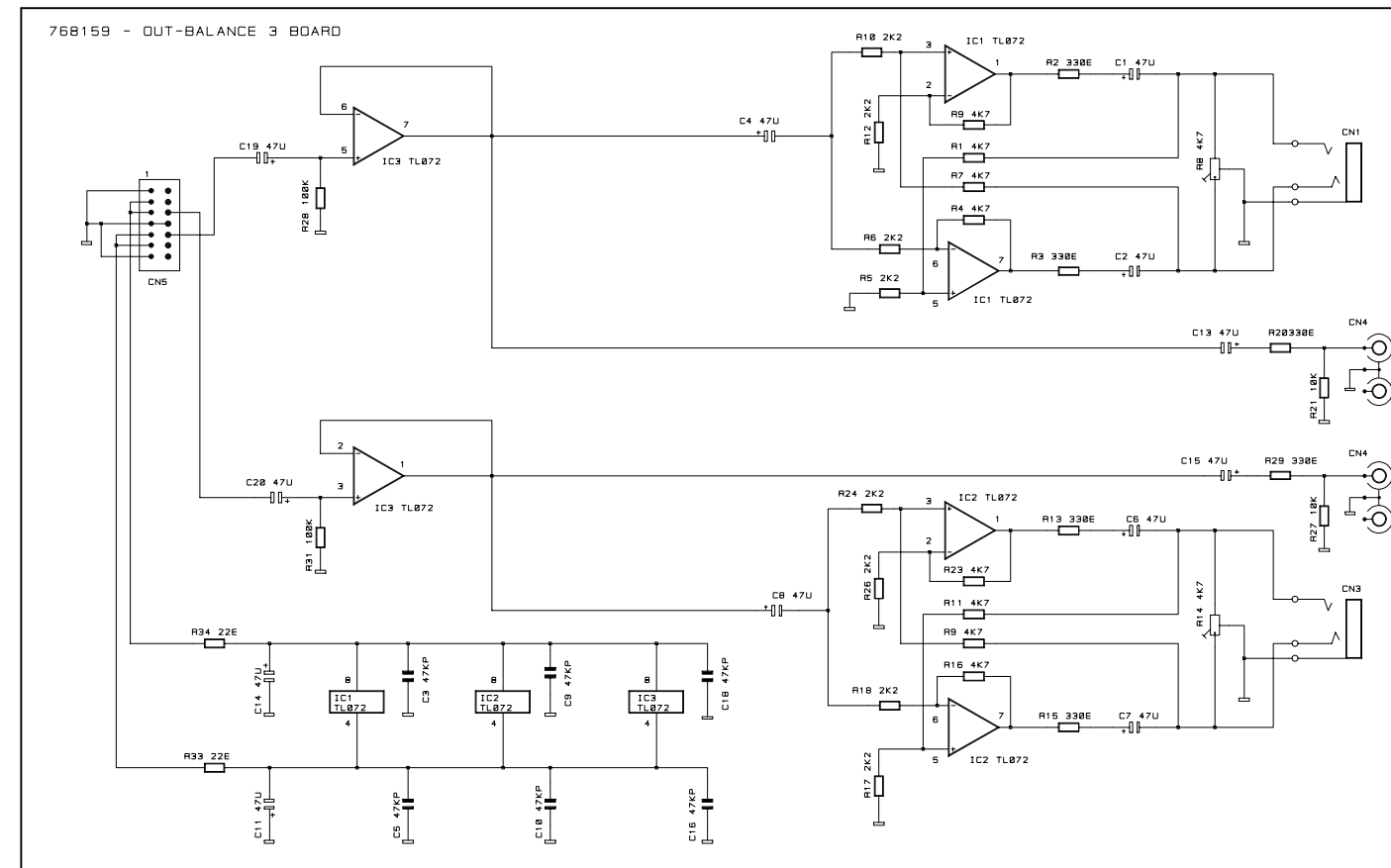
768161 - OUT-BALANCE 1 BOARD



78160 - OUT-BALANCE 2 BOARD



768159 - OUT-BALANCE 3 BOARD



DRW M. PALANGHI	DWG# 550598	PCB# CSP080A-B-C	GENERALMUSIC S.p.A. ITALY
CKD G. TALACCI	DSK# 55 PART: 1/1	SCHEMATIC DIAGRAM DM6	ALL RIGHTS ARE RESERVED, NO COPIES OR REPRODUCE THIS DOCUMENT WITHOUT WRITTEN CONSENT BY GENERALMUSIC
APP. M. MALAZZANI	REV: 17-09-97	OUT BALANCE MODULES	

SPARE PARTS LIST

DM6

PHONO-LINE/A BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768150</b>	<b>CMO100</b>	<b>PHONO-LINE/A BOARD (CSP077)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
	* POT011	100KBx2 Center Click Rotary Pot.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
	* DEV010	2V 2P Switch [PHONO/LINE]
	* DEV011	4V 2P Switch [PFL]
140242	* CON016	Vertical RCAX2 Socket
	* CON076	20 Contacts Vertical Connector
080710	* LED015	Yellow LED
080293	* DIO065	15V 1W ZENER
347355	*	Gray/Red Switch Cap
347357	*	Gray/Yellow Switch Cap
347354	*	Gray/Yellow Slider Knob
347365	*	Gray/Blu Knob
347363	*	Gray/Red Knob

PHONO-LINE/B BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768151</b>	<b>CMO101</b>	<b>PHONO-LINE/B BOARD (CSPCSP077)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
	* POT011	100KBx2 Center Click Rotary Pot.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
	* DEV010	2V 2P Switch [PHONO/LINE]
	* DEV011	4V 2P Switch [PFL]
	* CON017	Vertical RCAX4 Socket
	* CON076	20 Contacts Vertical Connector
080710	* LED015	Yellow LED
080293	* DIO065	15V 1W ZENER
347355	*	Gray/Red Switch Cap
347357	*	Gray/Yellow Switch Cap
347354	*	Gray/Yellow Slider Knob
347365	*	Gray/Blu Knob
347363	*	Gray/Red Knob

MIC-LINE/B BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768152</b>	<b>CMO102</b>	<b>MIC-LINE/B BOARD (CSP078)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
	* POT011	100KBx2 Center Click Rotary Pot.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
100019	*	TL071 OP. AMP.
	* DEV010	2V 2P Switch [MIC/LINE]
	* DEV011	4V 2P Switch [PFL]
080710	* LED015	Yellow LED
140242	* CON016	Vertical RCAX2 Socket
	* CON140	20 Contacts Vertical Connector
141184	* CON141	MC3FPR-H Female XLR
080293	* DIO065	ZENER 15V 1W
347355	*	Gray/Red Switch Cap
347357	*	Gray/Yellow Switch Cap
347343	*	Gray/White Slider Knob
347365	*	Gray/Blu Knob
347363	*	Gray/Red Knob

MIC-LINE BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768153</b>	<b>CMO103</b>	<b>MIC-LINE BOARD (CSP078)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
	* POT011	100KBx2 Center Click Rotary Pot.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
100019	*	TL071 OP. AMP.
	* DEV010	2V 2P Switch [MIC/LINE]
	* DEV011	4V 2P Switch [PFL]
080710	* LED015	Yellow LED
140242	* CON016	Vertical RCAX2 Socket
	* CON140	20 Contacts Vertical Connector
141184	* CON141	MC3FPR-H Female XLR
080293	* DIO065	15V 1W Zener
347355	*	Gray/Red Switch Cap
347357	*	Gray/Yellow Switch Cap
347343	*	Gray/White Slider Knob

347365	*	Gray/Blu Knob
347363	*	Gray/Red Knob

MIC-LINE DJ BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768154</b>	<b>CMO104</b>	<b>MIC-LINE BOARD (CSP078)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
	* POT011	100KBx2 Center Click Rotary Pot.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
100019	*	TL071 OP. AMP.
	* DEV010	2V 2P Switch [MIC/LINE] [TALK OVER]
	* DEV011	4V 2P Switch [PFL] [X-FADER]
080710	* LED015	Yellow LED
140242	* CON016	Vertical RCAX2 Socket
	* CON140	20 Contacts Vertical Connector
141184	* CON141	MC3FPR-H Female XLR
080293	* DIO065	ZENER 15V 1W
	* CON053	6 Contacts MICS6 LUMBERG
347355	*	Gray/Red Switch Cap
347357	*	Gray/Yellow Switch Cap
347343	*	Gray/White Slider Knob
347365	*	Gray/Blu Knob
	*	Gray/Red Knob

MASTER BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768155</b>	<b>CMO105</b>	<b>MASTER BOARD (CSP079)</b>
	* POT010	100KBx2 Rotary Pot. [GAIN]
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
100910	* ICS023	TDA2822M
100060	* ICS001	LM7815 1.5A Voltage Regulator
100049	* ICS002	LM7915 1.5A Voltage Regulator
	* DEV010	2V 2PSwitch
080705	* LED014	Red LED
	* TRN018	BF244 Transistor
	* TRN028	BF244 Transistor
90194	* TRN011	BC561 Transistor
	* CON135	MX254-3 Vertical Connetor
	* CON017	Vertical RCAX4 Socket
	* CON073	14 Contacts P.1.27 Vertical Connector
	* CON076	20 Contacts Vertical Connector
140242	* CON016	Vertical RCAX2 Socket
	* CON136	MX254-6 Vertical Connector
	* CON110	MX508-6 Vertical Connector
110113	* FUS001	5x20 Fuseclip
080168	* DIO010	W02 Rectifier Bridge
347356	*	Gray/White Switch Cap
347363	*	Gray/Red Knob
347342	*	Gray/Red Slider Knob

VU-METER BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768156</b>	<b>CMO106</b>	<b>VU-METER BOARD (CSP070)</b>
	*	TRIMMER 22K OR P10
080706	* LED016	Green LED
080710	* LED015	Yellow LED
080705	* LED014	Red LED
100927	* ICS024	LB1412
	* DEV007	2V 2P SMK Switch [1/2]
	* CON135	MX254W03 Vertical Connector
	* CON053	MICS6 Connector LUMBERG Connector

VU-METER PFL BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768157</b>	<b>CMO107</b>	<b>VU-METER PFL BOARD (CSP070)</b>
	*	TRIMMER 22K OR P10
080706	* LED016	Green LED
080710	* LED015	Yellow LED
080705	* LED014	Red LED
100927	* ICS024	LB1412
	* CON135	MX254W03 Vertical Connector

CROSSFADER BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768158</b>	<b>CMO108</b>	<b>CROSSFADER BOARD</b>
	* CON053	6 Contacts MICS6 LUMBERG Connector
	* POT029	2x100kW Slider Pot. (60 mm)
347354	*	Gray/Yellow Slider Knob

OUT-BALANCE 3 BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768159</b>	<b>CMO109</b>	<b>OUT BALANCE 3 BOARD (CSP080C)</b>
100923	* ICS017	5532
100061	* ICS011	TL072 DUAL OP. AMP.
140228	* CON034	Stereo Jack
140242	* CON016	Vertical RCAX2 Socket
	* CON075	14 Contacts Vertical Connector

OUT-BALANCE 2 BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768160</b>	<b>CMO110</b>	<b>OUT BALANCE 2 BOARD (CSP080B)</b>
100923	* ICS017	5533
100061	* ICS011	TL073
140228	* CON034	Stereo Jack
140242	* CON016	Vertical RCAX2 Socket
	* CON053	6 Contacts MICS6 LUMBERG
	* CON075	14 Contacts Vertical Connector

OUT-BALANCE 1 BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768161</b>	<b>CMO111</b>	<b>OUT BALANCE 1 BOARD (CSP080A)</b>
100923	* ICS017	5533
100061	* ICS011	TL073 OP. AMP.
140242	* CON016	Vertical RCAX2 Socket
	* CON143	NC3MPR-H Male XLR
	* CON053	6 Contacts MICS6 LUMBERG
	* CON075	14 Contacts Vertical Connector

DM8

MASTER BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768162</b>	<b>CMO112</b>	<b>MASTER BOARD (CSP084)</b>
100060	* ICS001	LM7815 1.5A Voltage Regulator
	*	TDA2822M
100061	* ICS011	TL072 DUAL OP. AMP.
100049	* ICS002	LM7915 1.5A Voltage Regulator
100061	* ICS011	TL072 DUAL OP. AMP.
	* CON136	CONN M VERT MX254W-06
	* CON140	20 Contacts Vertical Connector
	* CON135	MX254-3 Vertical Connetor
	* CON053	6 Contacts MICS6 LUMBERG Connector
	* CON110	6 Contacts MX508 W-06 Male Connector
	* CON053	6 Contacts MICS6 LUMBERG
	* CON144	34 Contacts Vertical Connector
	* CON017	Vertical RCAX4 Socket
140242	* CON016	Vertical RCAX2 Socket
110113	* FUS001	5x20 Fuseclip
080168	* DIO010	W02 Rectifier Bridge
080705	* LED014	Red LED
	* DEV010	2V 2P Switch
	* CON026	Stereo Jack
	* POT010	100KBx2 Rotary Pot.

OUT-BALANCE N.1 BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768163</b>	<b>CMO113</b>	<b>OUT-BALANCE N.1 BOARD (CSP085)</b>
	*	TRIMMER 4K7 ORIZZ
	*	5532
100061	* ICS011	TL072 DUAL OP. AMP.
	* CON143	NC3MPR-H Male XLR
	* CON026	Stereo Jack
	* CON145	Stereo Jack 6.3 A-PJ-678-0
	* CON053	6 Contacts MICS6 LUMBERG
	* CON076	20 Contacts Vertical Connector
140242	* CON016	Vertical RCAX2 Socket

OUT-BALANCE N.2 BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768164</b>	<b>CMO114</b>	<b>OUT-BALANCE N.1 BOARD (CSP086)</b>
	*	4K7 Horizontal Trimmer
	*	5532
100061	* ICS011	TL072 DUAL OP. AMP.
	* CON143	NC3MPR-H Male XLR
	* CON026	Stereo Jack
	* CON145	Stereo Jack 6.3 A-PJ-678-0
	* CON053	6 Contacts MICS6 LUMBERG
	* CON076	20 Contacts Vertical Connector
140242	* CON016	Vertical RCAX2 Socket

PHONO-LINE BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768165</b>	<b>CMO115</b>	<b>PHONO-LINE BOARD (CSP087)</b>

100061	*	ICS011	TL072 DUAL OP. AMP.
100084	*	ICS012	TL074 QUAD. OP. AMP.
	*	POT010	100KBx2 Rotary Pot.
	*	POT011	2x100KB CLICK C.
	*		34 Contacts Vertical Connector
	*	CON017	Vertical RCAX4 Socket
	*	DEV011	4V 2P Switch
	*		6V 2P Switch
	*	TRN004	BC550C
080706	*	LED016	Green LED
080710	*	LED015	Yellow LED
080705	*	LED014	Red LED

VU-METER PFL MODULE

Code	Ref.	Description
768166	CMO116	VU-METER PFL MODULE (CSP070)
080706	* LED016	Green LED
080710	* LED015	Yellow LED
080705	* LED014	Red LED
	* ICS024	LB1412
	* DEV010	2V 2P Switch
	* CON135	MX254-3 Vertical Connetor
	* CON153	LUMBERG MICS6 Connector

MIC-LINE BOARD

Code	Ref.	Description
768167	CMO117	MIC-LINE BOARD (CSP070)
	* ICS010	TL071 OP. AMP.
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
	* POT010	100KBx2 Rotary Pot.
	* POT011	2x100KB CLICK C.
	* CON144	34Contacts Vertical Connector
140242	* CON016	Vertical RCAX2 Socket
	* DEV011	4V 2P Switch
	* TRN004	BC550C Transistor
080705	* LED014	Red LED
080710	* LED015	Yellow LED
080706	* LED016	Green LED
	* CON026	Stereo Jack
	* CON141	XLR FEMMINA MC3FPR-H
	* DIO065	ZENER 15V 1W

MIC-LINE DJ BOARD

<i>Code</i>	<i>Ref.</i>	<i>Description</i>
<b>768168</b>	<b>CMO118</b>	<b>MIC-LINE BOARD (CSP088)</b>
	* ICS010	TL071
100061	* ICS011	TL072 DUAL OP. AMP.
100084	* ICS012	TL074 QUAD. OP. AMP.
	* POT010	100KBx2 Rotary Pot.
	* POT011	2x100KB CLICK C.
	* CON144	34Contacts Vertical Connector
140242	* CON016	Vertical RCAX2 Socket
	* CON035	CON VERT 3V MX254-W-03
	* DEV011	4V 2P Switch
	* TRN004	BC550C Transistor
080705	* LED014	Red LED
080710	* LED015	Yellow LED
080706	* LED016	Green LED
	* CON026	Stereo Jack
	* CON141	MC3FPR-H Female Connector
	* DIO065	15V 1W Zener

VU-METER MODULE

Code	Ref.	Description
768169	CMO119	VU-METER MODULE (CSP070)
080706	* LED016	Green LED
080710	* LED015	Yellow LED
080705	* LED014	Red LED
	* ICS024	LB1412
	* DEV010	2V 2P Switch
	* CON135	MX254-3 Vertical Connetor
	* CON153	6 Contacts MICS6 LUMBERG Connector

Note:

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.