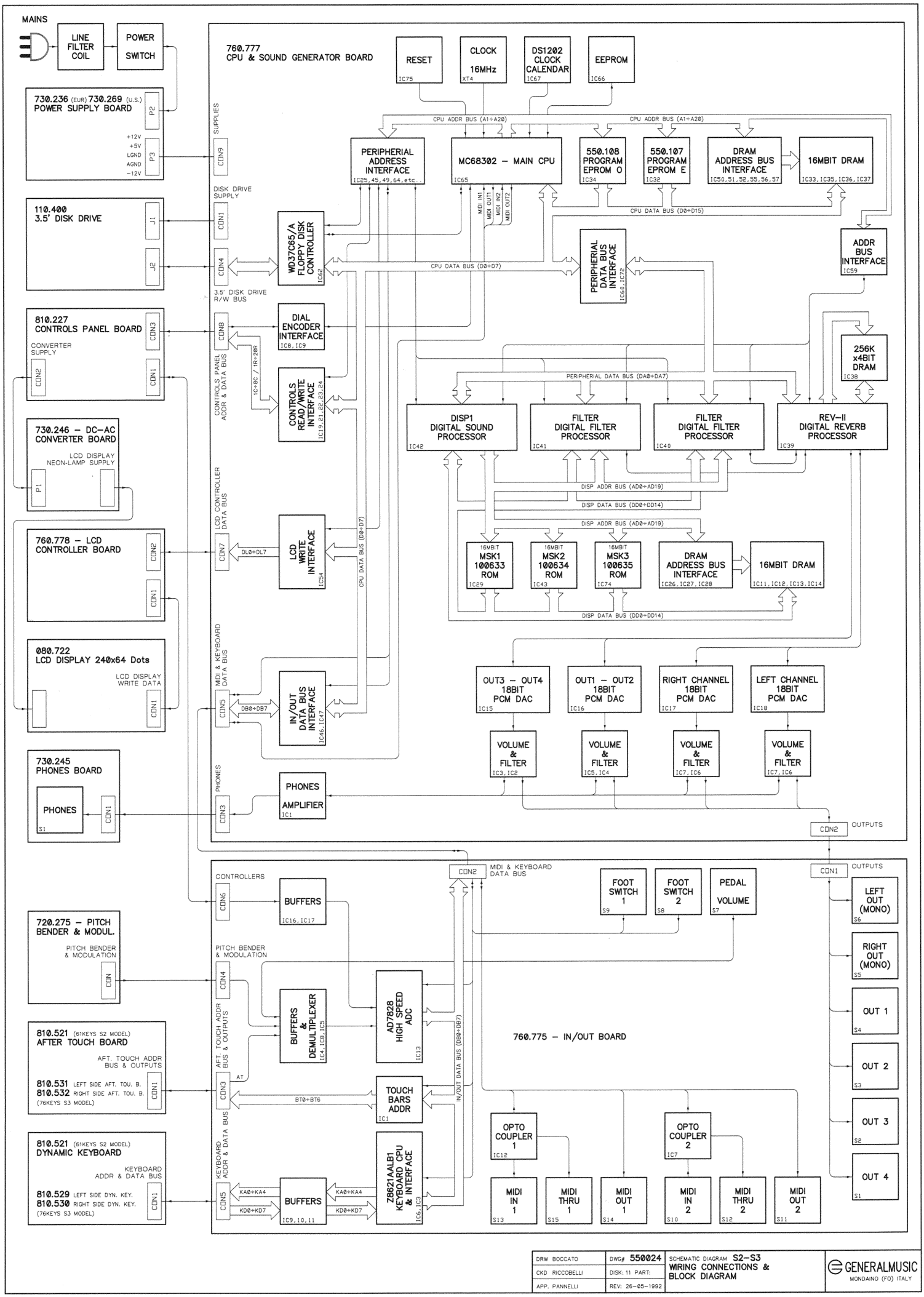
SERVICE MANUAL
SCHEMATIC DIAGRAMS

GENERALMUSIC

CODE 270132



DRW BOCCATO	DWG# 550024	SCHEMATIC DIAGRAM S2–S3 WIRING CONNECTIONS & BLOCK DIAGRAM	GENERALMUSIC MONDAINO (FO) ITALY
CKD RICCOBELLI	DISK: 11 PART:		
APP. PANNELLI	REV: 26–05–1992		

SCHEMATIC NOTES

ALL COMPONENTS MARKED BY ⚠ HAVE SPECIAL SAFETY CHARACTERISTICS. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY MANUFACTURER S' SPECIFIED PARTS.
THE MICRO SYMBOL OF CAPACITANCE VALUE IS SUBSTITUTED BY "U".
THE OMEGA SYMBOL OF RESISTANCE VALUE IS SUBSTITUTED BY "E".
ALL ELECTROLYTIC CAPACITORS ARE 25VDC RATED VOLTAGE UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE SPECIFIED.
ALL SWITCHES SHOW IN "OFF" POSITION.
ALL D.C. VOLTAGES MEASURED TO GROUND WITH A VOLTMETER 20,000E/V.

SOLDERING POINTS — MALE CONNECTOR PIN — FEMALE CONNECTOR PIN
SUPPLY VOLTAGE — TEST POINT — M/F FASTON CONNECTORS
ANALOGIC SUPPLY GROUND — LOGIC SUPPLY GROUND — CHASSIS GROUND

NOTICE

SERVICE MUST BE CARRIED OUT BY QUALIFIED OPERATORS; ANY TAMPERING DONE BY UNQUALIFIED OPERATORS DURING THE GUARANTEE PERIOD WILL FORFEIT THE RIGHT TO GUARANTEE.

FOR A CORRECT OPERATION OF THE INSTRUMENT, AFTER HAVING SWITCH IT OFF, BE CAREFUL TO WAIT AT LEAST 3 SECONDS BEFORE SWITCHING IT ON AGAIN.

TO IMPROVE THE ORGAN SPECIFICATIONS, THE SCHEMATIC DIAGRAMS MAY TO BE SUBJECT TO CHANGE WITHOUT NOTICE.

MAINS (EUROPE VER.)
230VAC +/-20%
50Hz

MAINS (U.S. VER.)
117VAC +/-20%
60Hz

⚠ AC-MAINS INLET
⚠ L 2x30UH
⚠ POWER SWITCH ON/OFF

Vout	Iout
+12V +/-10%	0.5A
-12V +/-10%	0.5A
+5V +/-5%	2.5A

⚠T500MA-250V (EUROPE VERSION)
⚠T1A-125V (U.S. VERSION)

P2 SRW
1 L
3 GND
2 N
⚠F1 FUSE
⚠NT1 1SE
LF1 ⚠ 2X27MH
J7
J1 SETTING
CLOSED = 115VAC
OPEN = 230VAC
M1 BUZ78 (Siemens) or MTP3N80 (Motorola) or BUK454-800B (Philips)
T1 ACEM-TA051D
D10 MUR115 or FE1C or BYW100-150
D11 MUR115 or FE1C or BYW100-150
D9 BYV28-150
L1 ACEM-LA011
D5 UF4006 or MUR180 (Motorola)
D6 BA1S7
D7 1N4148
D8 1N4148
IC1 UC3844N — VCC, CURRENT MODE CONTROLLER, OUT, Vref, R/C, GND, COMP, CS, VF
IC2 CNY17
IC3 TL431CLP

P3 VERT9 — +5V, AGND, LGND, +12V, -12V, +5V — TO CPU & SOUND GEN. BOARD CON9 SUPPLIES
P1 VERT4 — +5V, LGND — NOT USED
P2 VERT6 — +5V, LGND — NOT USED

⚠730.236 (EUROPE version)
⚠730.269 (U.S. version)
POWER SUPPLY BOARD

SERVICE NOTE:
THE TECHNICAL SUPPORT IS MADE ONLY BY REPLACEMENT THE ENTIRE BOARD.

NOTE: ALL CAPACITORS ARE 100VL UNLESS OTHERWISE SPECIFIED.

PCB# CS027001

760.778
LCD CONTROLLER BOARD

LCD CONTROLLER DATA BUS FROM CPU & SOUND GEN. BOARD CON7
CON2 HDR16
LCD DATA BUS

IC1 NE555 — TIMER
IC2 UPD4364 — 64KBIT - STATIC RAM
IC3 SED1330F — GRAPHIC LCD CONTROLLER
CON1 SL14 — TO 240x640DOT LCD DISPLAY WRITE DATA

PCB#315053

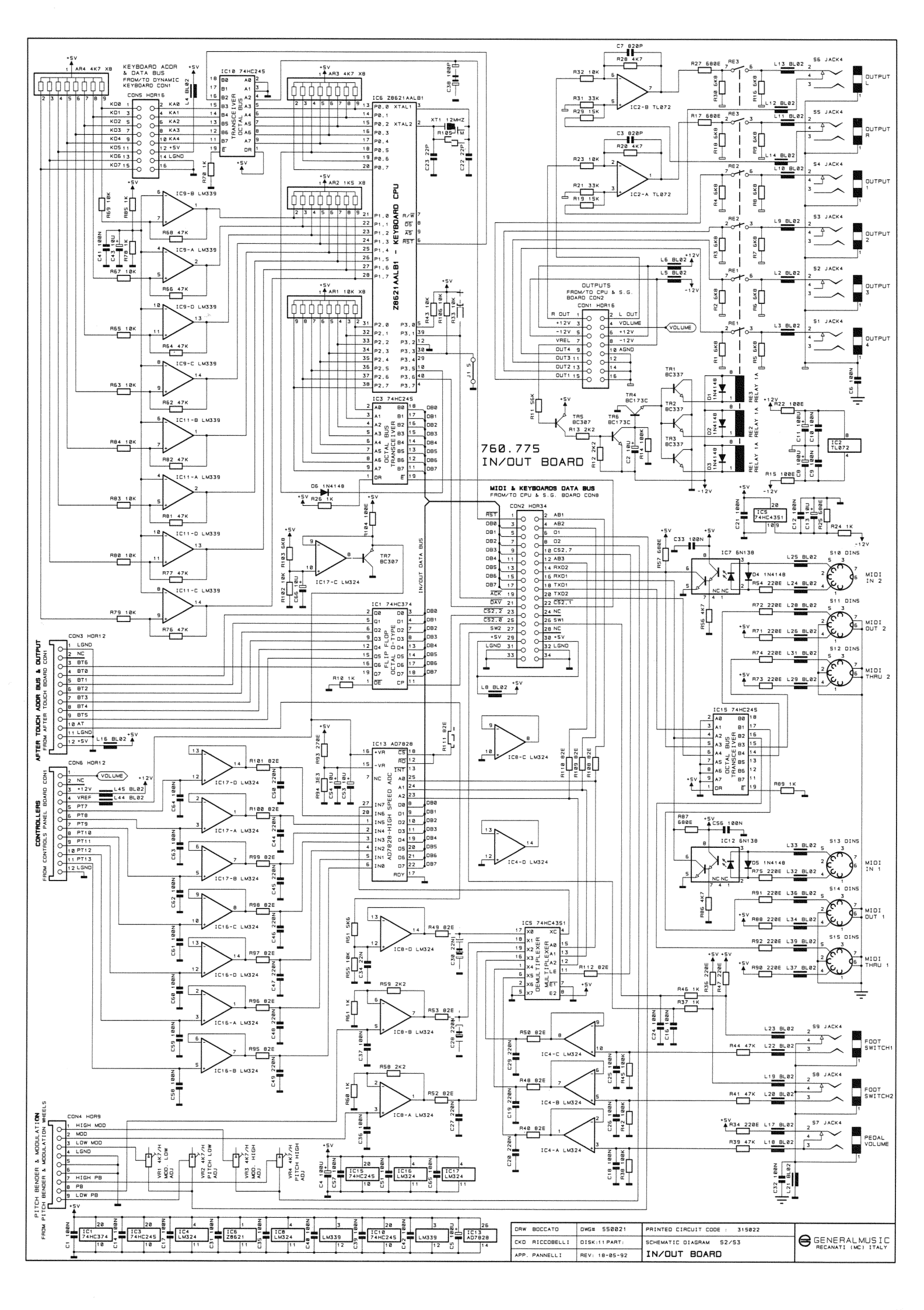
⚠730.246
DC-AC CONVERTER BOARD

SERVICE NOTE:
THE TECHNICAL SUPPORT IS MADE ONLY BY REPLACEMENT THE ENTIRE BOARD.

CONVERTER SUPPLY FROM CONTROLS PANEL BOARD CON2
P1 VERT4 — +12V, GND, NC, NC
SP1 5A FAST
T1 ACEM-TA070
Q1 2SC2383
Q2 2SC2383
TO 240x640DOT LCD DISPLAY
LCD DISPLAY NEON-LAMP SUPPLY
700VAC
0VAC

PCB# CS032001

DRW BOCCATO	DWG# 550022	PRINTED CIRCUIT CODE : 315053	CS032001 CS027001
CKD RICOBELLI	DISK:11 PART:	SCHEMATIC DIAGRAM SUPPLY BOARD /DC-AC CONVERTER BOARD LCD CONTROLLER BOARD	GENERALMUSIC RECANATI (MC) ITALY
APP. PANNELLI	REV: 22-05-92		


760.775
IN/OUT BOARD
Z8621AALB1 - KEYBOARD CPU
MIDI & KEYBOARDS DATA BUS
FROM/TO CPU & S.G. BOARD CON8
KEYBOARD ADDR & DATA BUS
FROM/TO DYNAMIC KEYBOARD CON1
OUTPUTS
FROM/TO CPU & S.G. BOARD CON2
AFTER TOUCH ADDR BUS & OUTPUT
FROM AFTER TOUCH BOARD CON1
CONTROLLERS
FROM CONTROLS PANEL BOARD CON1
PITCH BENDER & MODULATION
FROM PITCH BENDER & MODULATION WHEELS
IN/OUT DATA BUS
OUTPUT L
OUTPUT R
OUTPUT 1
OUTPUT 2
OUTPUT 3
OUTPUT 4
MIDI IN 2
MIDI OUT 2
MIDI THRU 2
MIDI IN 1
MIDI OUT 1
MIDI THRU 1
FOOT SWITCH1
FOOT SWITCH2
PEDAL VOLUME
VOLUME
DRAW BOCCATO
DWG# 550021
PRINTED CIRCUIT CODE : 315022
CKD RICCOBELLI
DISK:11 PART:
SCHEMATIC DIAGRAM S2/S3
APP. PANNELLI
REV: 18-05-92
IN/OUT BOARD
GENERALMUSIC
RECANATI (MC) ITALY

810.521 - DYNAMIC KEYBOARD (S2 MODEL)

OCTAVE 2 | OCTAVE 3 | OCTAVE 4 | OCTAVE 5 | OCTAVE 6 | 0.7

KEYBOARD ADDR & DATA BUS FROM/TO IN/OUT BOARD CON5

PCB# 315027

730.245 PHONES BOARD

PHONES FROM CON1 I/O BOARD CON3

PCB# 315056

720.275 - PITCH BENDER & MODULATION ASSEMBLY

MODULATION 10K LIN.

PITCH BENDER 10K LIN.

TO IN/OUT BOARD CON4

PITCH BENDER & MODULATION

810.520 - AFTER TOUCH BOARD (S2 MODEL)

4 TO 16 LINE DECODER

AFTER TOUCH ADJ

TO IN/OUT BOARD CON4

AFT. TOUCH ADDR BUS & OUTPUT

PCB# 315026

810.227 - CONTROLS PANEL BOARD

FUNCTION CONTROLLERS

TO IN/OUT BOARD CON6 CONTROLLERS

TO DC-AC CONVERTER BOARD P1 CONVERTER SUPPLY

CONTROLS PANEL ADDR & DATA BUS TO CPU & SOUND GEN. BOARD CON8

ENCODER

BRIGHTNESS

DRW BOCCATO	DWG# 550018	PRINTED CIRCUIT CODE : 315020/026/027	GENERALMUSIC RECANATI (MC) ITALY
CKD RICCOBELLI	DISK:11 PART:	SCHEMATIC DIAGRAM 52-53 DYNAMIC KEYBOARD AFTERTOUCH BOARD CONTROLS PANEL BOARD PHONES BOARD	
APP. PANNELI	REV: 15-05-92		

750.777
CPU & SOUND GENERATOR BOARD
PART 1 OF 2

NOTE: ALL SIGNAL NAMES PREFIXED BY AN ASTERISK '*' ARE CONNECTED TO THE PART 2 OF SCHEMATIC DIAGRAM.

NOTE: THE CONNECTOR IS INVERTED ON DISK DRIVE. THE DISK DRIVE PIN NUMBERS ARE SHOWN BEFORE THE SIGNAL NAME.

DRW BOCCATO	DWG# 550019	PRINTED CIRCUIT CODE : 315021	GENERALMUSIC RECANATI (MC) ITALY
CKD RICCOBELLI	DISK:11 PART: 1/2	SCHEMATIC DIAGRAM S2-S3	
APP. PANNELLI	REV: 18-06-92	CPU & SOUND GENERATOR **BOARD**	

760.777

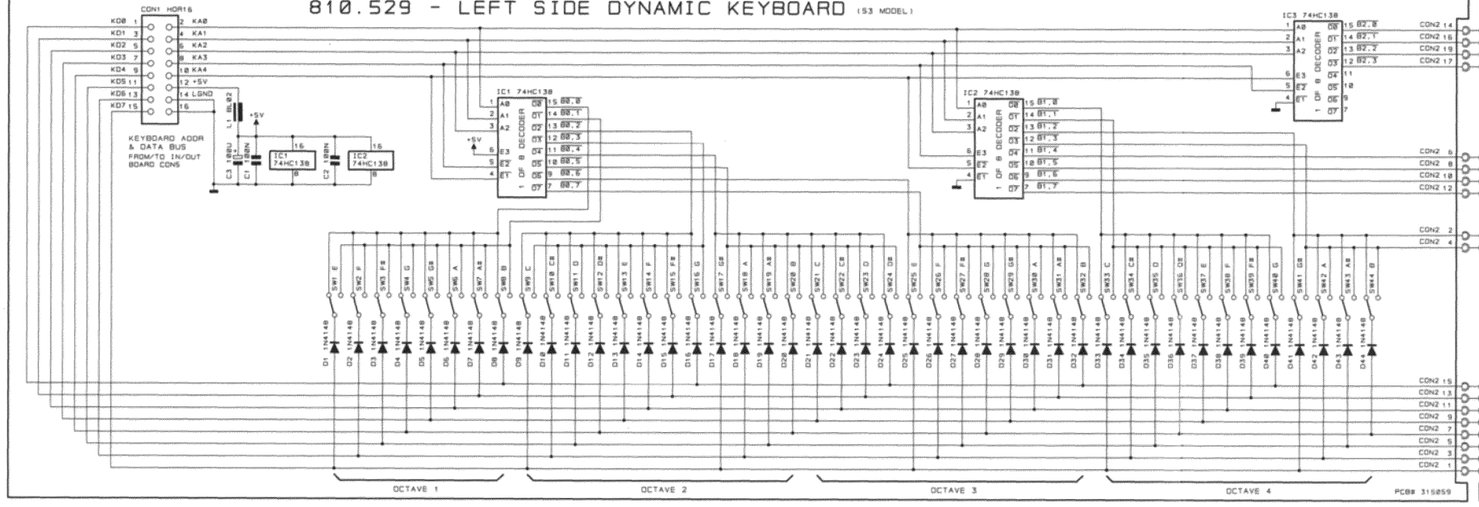
CPU & SOUND GENERATOR BOARD

PART 2 OF 2

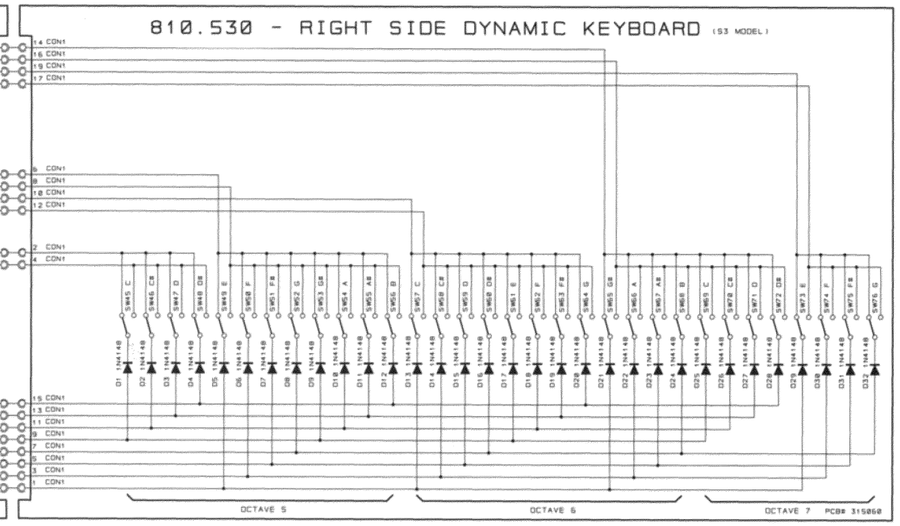
NOTE: ALL SIGNAL NAMES PREFIXED BY AN ASTERISK "*" ARE CONNECTED TO THE PART 1 OF SCHEMATIC DIAGRAM.

DRW BOCCATO	DWG# 550020	PRINTED CIRCUIT CODE : 315021	GENERALMUSIC RECANATI (MC) ITALY
CKD RICCOBELLI	DISK:11 PART: 2/2	SCHEMATIC DIAGRAM S2-53	
APP. PANNELLI	REV: 19-06-92	CPU & SOUND GENERATOR BOARD	

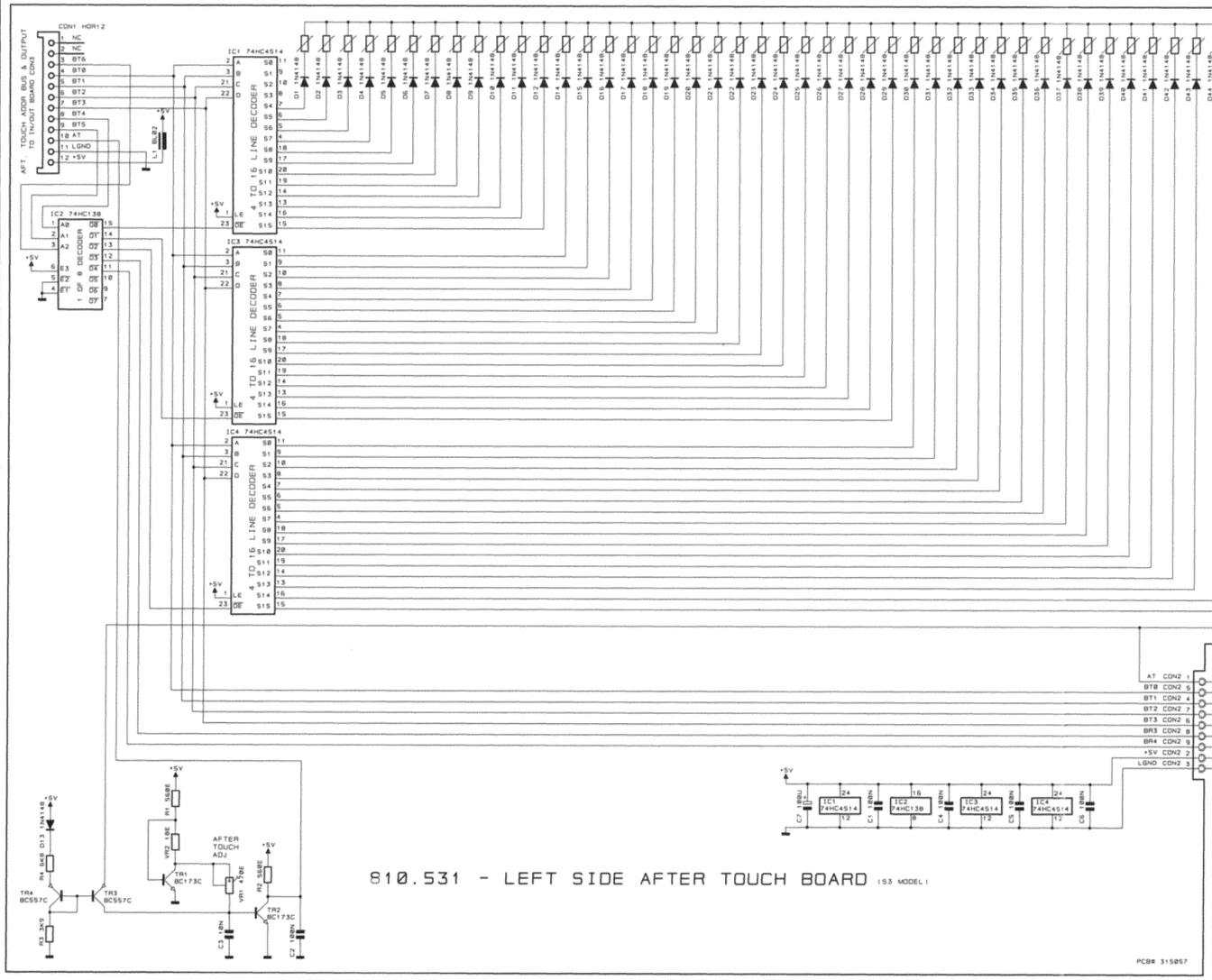
810.529 - LEFT SIDE DYNAMIC KEYBOARD (S3 MODEL)



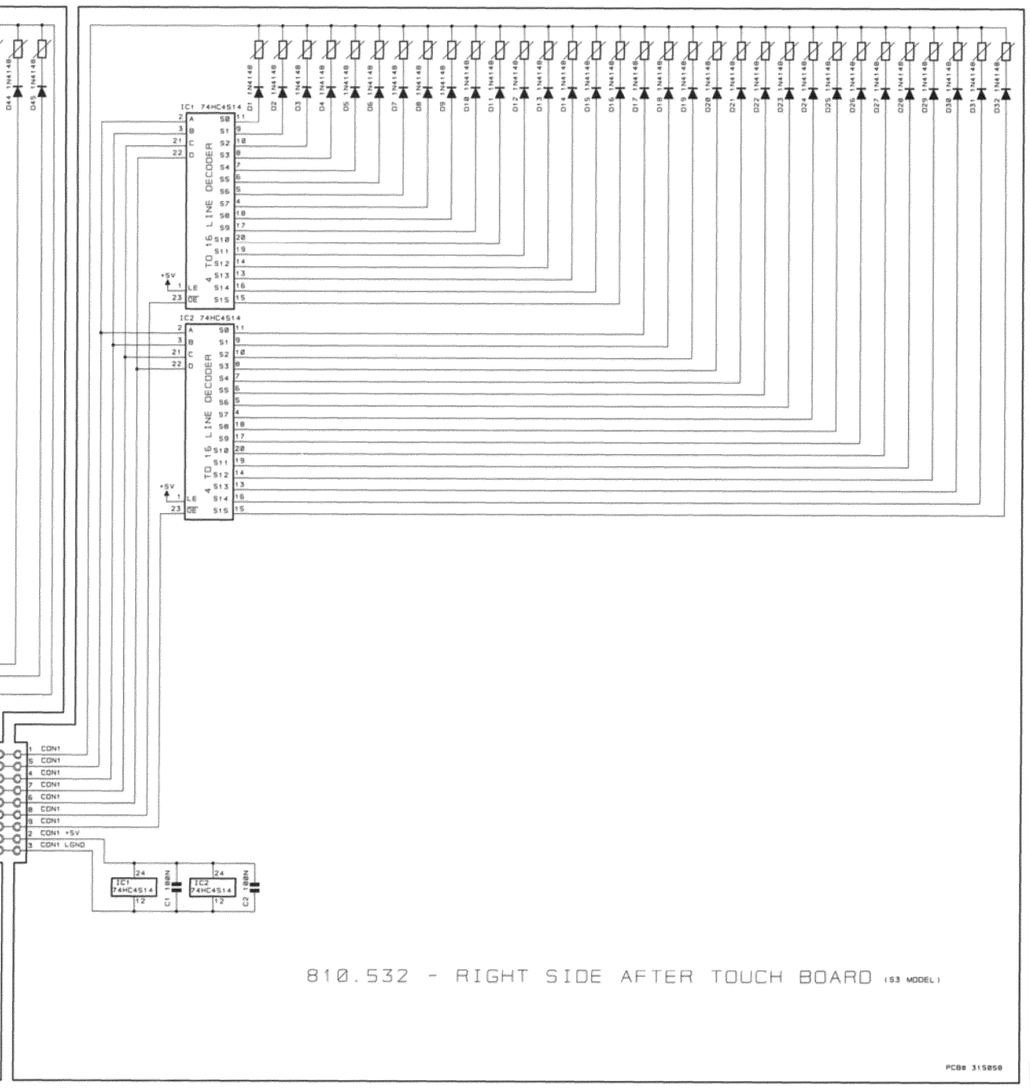
810.530 - RIGHT SIDE DYNAMIC KEYBOARD (S3 MODEL)



810.531 - LEFT SIDE AFTER TOUCH BOARD (S3 MODEL)

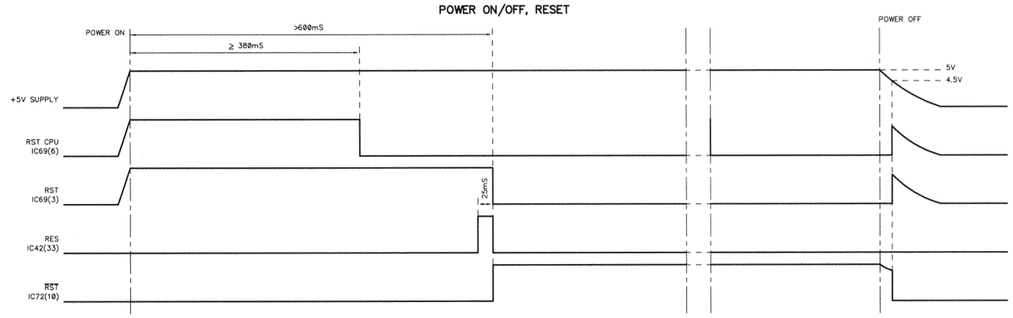


810.532 - RIGHT SIDE AFTER TOUCH BOARD (S3 MODEL)

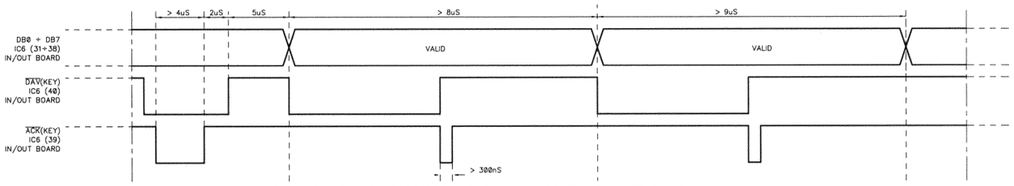


DRW G.BOCCATO	DWG# 550023	PRINTED CIRCUIT CODE : 315057-058-059-060	GENERALMUSIC RECANATI (MC) ITALY
CKD RICCOBELLI	DISK:1!PART;	SCHEMATIC DIAGRAM S3	
APP. PANNELLI	REV: 21-05-92	L & R SIDE DYNAMIC KEYBOARD L & R SIDE AFTER TOUCH BOARD	

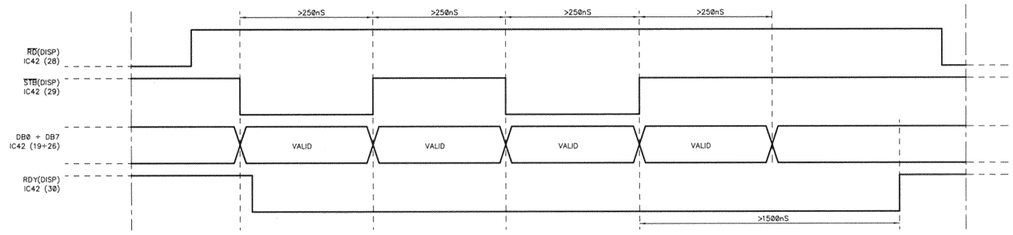
POWER ON/OFF, RESET



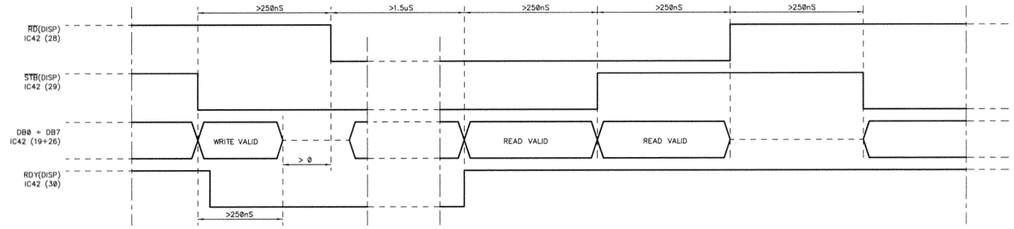
MAIN CPU – KEYBOARD CPU DATA BUS & CONTROLS



MAIN CPU – DISP1 DIGITAL SOUND PROCESSOR DATA BUS & CONTROLS (WRITE CYCLE) THE SAME TIMING IS VALID FOR DIGITAL FILTER PROCESSORS

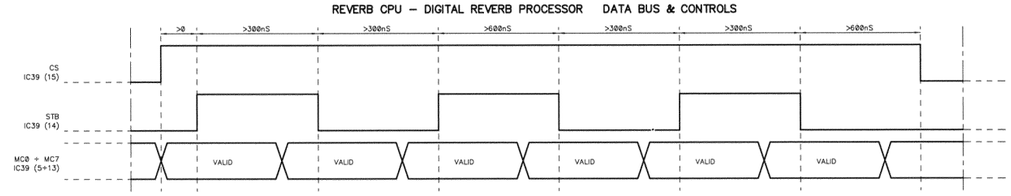


MAIN CPU – DISP1 DIGITAL SOUND PROCESSOR DATA BUS & CONTROLS (READ CYCLE)

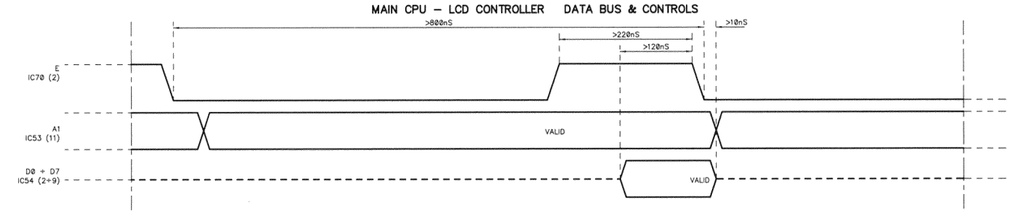


SIGNAL NAME	PIN REFERENCE R & L DACS	OUT 1÷OUT 4 DACS
VC	IC18(12)	IC16(12)
VD	IC18(10)	IC16(10)
VL1	IC20(4)	IC20(12)
VL2	IC20(5)	IC20(11)
VL3	IC20(6)	IC20(10)
VL4	IC20(7)	IC20(9)
VE0	IC20(2)	IC20(14)
VE1	IC20(3)	IC20(13)

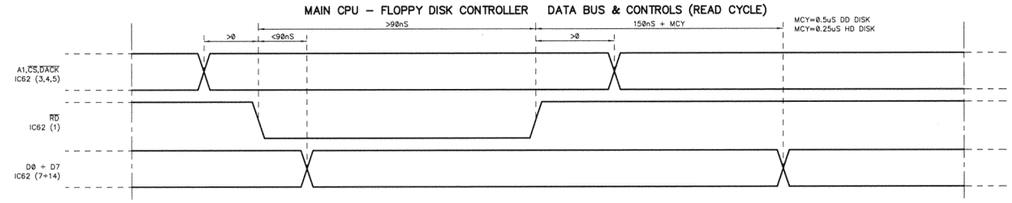
REVERB CPU – DIGITAL REVERB PROCESSOR DATA BUS & CONTROLS



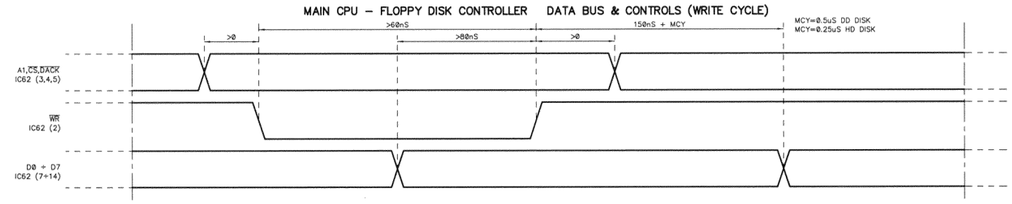
MAIN CPU – LCD CONTROLLER DATA BUS & CONTROLS



MAIN CPU – FLOPPY DISK CONTROLLER DATA BUS & CONTROLS (READ CYCLE)



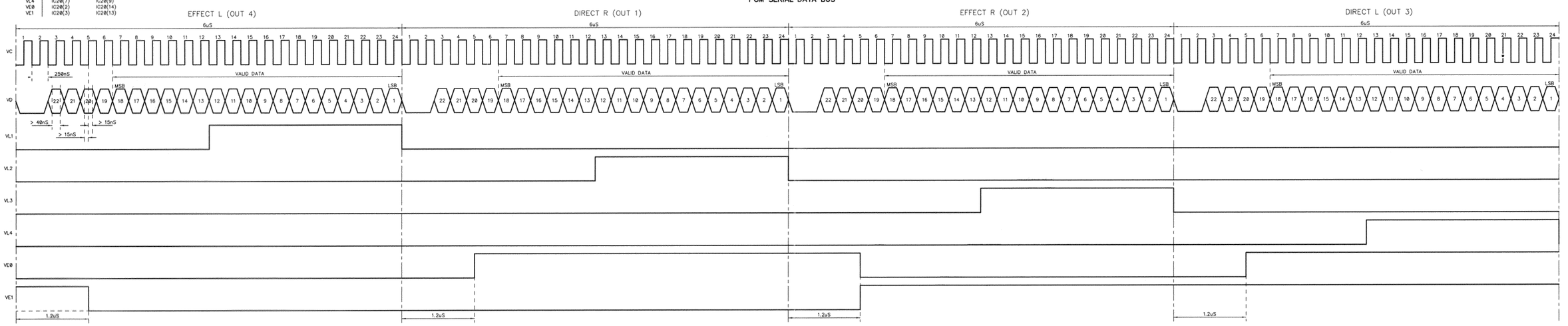
MAIN CPU – FLOPPY DISK CONTROLLER DATA BUS & CONTROLS (WRITE CYCLE)



ADJUSTMENT TABLE

N.	ADJUSTMENT TYPE	TEST POINT	KEY PRESSED	OPERATION POINT	READING VALUES	NOTE :
1	LCD CONTRAST ADJ	SEE NOTE		VR1 CPU & S.G. BOARD	SEE NOTE	PUT THE CONTRAST CONTROL AT CENTRE POSITION, TURN THE VR1 TRIMMER TO OBTAIN THE BEST CONTRAST SHOWED ON DISPLAY.
2	PITCH HIGH ADJ	R104 SIDE TR7 (PROBE 1) IN/OUT BOARD R53 SIDE IC8 (PROBE 2)	PITCH WHEEL AT MAX. POS.	VR4 IN/OUT BOARD	SEE NOTE	SET THE OSCILLOSCOPE ON D.C. AT 0.5V/div. 5mS/div. TURN THE TRIMMER TO HAVE ON PROBE 2 100mV MORE THAN PROBE 1 (VREF. ~2.9Vcc)
3	PITCH LOW ADJ	R104 SIDE TR7 (PROBE 1) IN/OUT BOARD R53 SIDE IC8 (PROBE 2)	PITCH WHEEL AT MIN. POS.	VR2 IN/OUT BOARD	SEE NOTE	SET THE OSCILLOSCOPE ON D.C. AT 0.5V/div. 5mS/div. TURN THE TRIMMER TO HAVE ON PROBE 2 100mV MORE THAN PROBE 1 (VREF. ~2.9Vcc)
4	MOD HIGH ADJ	R104 SIDE TR7 (PROBE 1) IN/OUT BOARD R52 SIDE IC8 (PROBE 2)	MOD. WHEEL AT MAX. POS.	VR3 IN/OUT BOARD	SEE NOTE	SET THE OSCILLOSCOPE ON D.C. AT 0.5V/div. 5mS/div. TURN THE TRIMMER TO HAVE ON PROBE 2 100mV MORE THAN PROBE 1 (VREF. ~2.9Vcc)
5	MOD LOW ADJ	R104 SIDE TR7 (PROBE 1) IN/OUT BOARD R52 SIDE IC8 (PROBE 2)	MOD. WHEEL AT MIN. POS.	VR1 IN/OUT BOARD	SEE NOTE	SET THE OSCILLOSCOPE ON D.C. AT 0.5V/div. 5mS/div. TURN THE TRIMMER TO HAVE ON PROBE 2 100mV MORE THAN PROBE 1 (VREF. ~2.9Vcc)
6	AFTER TOUCH ADJ	R51 SIDE IC3 IN/OUT BOARD	C3 SEE NOTE	VR1 AFTER T. BOARD	~2Vcc	APPLY A 850 gr. WEIGHT ON THE KEY FRONT END AND TURN THE TRIMMER TO HAVE THE READING VALUE. NOTE: IT IS POSSIBLE TO ADJUST THRU THE PROPERLY HOLE UNDER THE KEYBOARD.

PCM SERIAL DATA BUS



NOTE: THE R & L DACS AND THE OUT 1÷OUT4 DACS HAVE THE SAME TIMING.

NOTE: ALL COMPONETS PIN REFERENCE ARE LOCATED ON "CPU & SOUND GENERATOR BOARD" UNLESS OTHERWISE SPECIFIED.

DRW BOCCATO	DWG# 550026	SCHEMATIC DIAGRAM S2-S3	GENERALMUSIC RECANATI (MC) ITALY
CKD RICCOBELLI	DISK: 11 PART:	ADJUSTMENT TABLE TIMING TABLE	
APP. PANNELLI	REV: 15-06-92		

S2 – S3 SPARE PARTS LIST

DESCRIPTION	CODE
OWNER'S MANUAL (ENGLISH/ITALIAN)	270930
S2/S3 DEMO DISK	950592
ACCESSORIES	
2 Mt LENGTH MIDI CABLE	130301
X–METAL STAND	970110
S2 CARRING BAG	970124
S3 CARRING BAG	970125
S2 FLY CASE	970111
S3 FLY CASE	970126
SINGLE FOOT SWITCH	970116
PIANO SINGLE FOOT SWITCH	970134
VOLUME PEDAL	970107
PEDAL SUPPORT	340394
METAL PEDALBOARD	171061
PEDALBOARD PLASTIC BUSH	340396
RUBBER RUG	340414
POTENTIOMETER SUPPORT	171019
PEDAL CLUTCH SPRING	160173
POTENTIOMETER ACTING LEVER	340395
POTENTIOMETER RETURN SPRING	160172
20K (90 DEG. STROKE) POTENTIOMETER	070556
CABINET ELECT. & MECH. PARTS ASSEMBLY	
TOP ALUMINIUM CHASSIS (S2 MODEL) (GEM)	660175
TOP ALUMINIUM CHASSIS (S2 MODEL) (BACHMANN)	660190
TOP ALUMINIUM CHASSIS (S3 MODEL) (GEM)	660203
TOP ALUMINIUM CHASSIS (S3 MODEL) (BACHMANN)	660204
LEFT–TOP PLASTIC CHASSIS	651264
RIGHT–TOP PLASTIC CHASSIS	651265
REAR ALUMINIUM CHASSIS (S2 MODEL) (GEM)	660173
REAR ALUMINIUM CHASSIS (S2 MODEL) (BACHMANN)	660191
REAR ALUMINIUM CHASSIS (S3 MODEL) (GEM)	660200
REAR ALUMINIUM CHASSIS (S3 MODEL) (BACHMANN)	660202
ANGULAR FIXING (TOP TO REAR CHASSIS)	171006
BOTTOM METAL CHASSIS (S2 MODEL)	660174
BOTTOM METAL CHASSIS (S3 MODEL)	660201
LEFT SIDE PLASTIC BORDER	651266
RIGHT SIDE PLASTIC BORDER	651267
NUT IN CAGE (TO FIX REAR TO BOTTOM CHASSIS)	120602
ADESIVE ANTISLIDE RUBBER FOOT	340453
DISK DRIVE LEFT SUPPORT	171003
DISK DRIVE RIGHT SUPPORT	171004
3,5' DISK DRIVE	110400
A.C. MAINS INLET	140203
POWER SWITCH	110285
POWER SWITCH FRAME	340359
PHONES BOARD (PCB#315056) (WITH FLAT CABLE)	730245
JACK SOCKET	140217
PITCH BENDER & MODULATION ASSEMBLY (WITH FLAT CABLE)	720275
WHEEL KNOB	340361
WHEEL KNOB SUPPORT	171009
RETURN SPRING	160166
LOCK WASHER	120554
BLACK FELT (SPECIFY 50Cm)	210078
10K LIN. POTENTIOMETER	070701
POWER SUPPLY THE TECHNICAL SERVICE IS MADE ONLY BY REPLACEMENT THE ENTIRE UNIT.	
POWER SUPPLY BOARD (PCB# CS027001)(EUROPE VERSION)	730236
POWER SUPPLY BOARD (PCB# CS027001)(U.S. VERSION)	730269
WIRING CONNECTIONS	
MAINS CORD (EUROPE VERSION)	130297
MAINS CORD (U.S. VERSION)	130283
4 WIRES – 60Cm LENGTH (DISK DRIVE SUPPLY)	840579
4 WIRES – 10Cm LENGTH (CONVERTER SUPPLY)	840558
FLAT CABLES :	
34 WIRES – 55Cm LENGTH (3,5' DISK DRIVE R/W BUS)	840583
34 WIRES – 50Cm LENGTH (CONTROLS PANEL ADDR & DATA BUS)	840602
34 WIRES – 20Cm LENGTH (MIDI & KEYBOARD DATA BUS)	840570
20 WIRES – 5Cm LENGTH (FROM RIGHT TO LEFT DYNAMIC KEYBOARD) (76–KEYS S3 MODEL)	840523
16 WIRES – 25Cm LENGTH (LCD CONTROLLER DATA BUS) (DYNAMIC KEYBOARD ADDR & DATA BUS)	840580
16 WIRES – 35Cm LENGTH (LCD CONTROLLER DATA BUS) (S3 MODEL)	840614
16 WIRES – 12Cm LENGTH (OUTPUTS)	840595
12 WIRES – 30Cm LENGTH (AFT. TOUCH ADDR BUS & OUTPUTS)	840258
12 WIRES – 20Cm LENGTH (CONTROLLERS)	840256
9 WIRES – 45Cm LENGTH (PITCH BENDER & MODULATION)	840593
9 WIRES – 10Cm LENGTH (FROM RIGHT TO LEFT AFTER TOUCH BOARDS) (76–KEYS S3 MODEL)	840609
9 WIRES – 7.5Cm LENGTH (SUPPLIES)	840201
6 WIRES – 68Cm LENGTH (PHONES)	840594
KEYBOARD ELECT. & MECH. ASSY	
KEYBOARD ELECTRICAL & MECHANICAL ASSEMBLY (61–KEYS S2 MODEL)	720274
KEYBOARD ELECTRICAL & MECHANICAL ASSEMBLY (76–KEYS S3 MODEL)	720306
MECHANICAL KEYBOARD ASSY (61–KEYS S2 MODEL)	500049
MECHANICAL KEYBOARD ASSY (76–KEYS S3 MODEL)	500053
FIRST E WEIGHTED KEY (76–KEYS)	151109
C WEIGHTED KEY	151101
D WEIGHTED KEY	151102
E WEIGHTED KEY	151103
F WEIGHTED KEY	151104
G WEIGHTED KEY	151105
A WEIGHTED KEY	151106
B WEIGHTED KEY	151107
LAST C WEIGHTED KEY (61–KEYS)	151108
LAST G WEIGHTED KEY (76–KEYS)	151110
SHARP WEIGHTED KEY	151100
KEYS RETURN SPRING	160167
KEYS BEATING RUBBER	340391
DYNAMIC KEYBOARD BOARD (PCB# 315027) (61–KEYS S2 MODEL)	810521
LEFT SIDE DYNAMIC KEYBOARD (PCB# 315059) (76–KEYS S3 MODEL)	810529
RIGHT SIDE DYNAMIC KEYBOARD (PCB# 315060) (76–KEYS S3 MODEL)	810530
12 CONTACTS PLASTIC SUPPORT	340374
13 CONTACTS PLASTIC SUPPORT	340375
LOWER 4 CONTACTS JUMP (NORMALLY CLOSED)	160164
UPPER 4 CONTACTS JUMP (NORMALLY OPEN)	160163
LOWER 5 CONTACTS JUMP (NORMALLY CLOSED)	160162
UPPER 5 CONTACTS JUMP (NORMALLY OPEN)	160161
CONTACT SPRING	160165
1N4148 SIGNAL DIODE	080103
I.C. 74HC138 1 OF 8 DECODER	100606
RED FELT (SPECIFY 90Cm FOR 61–KEYS) (SPECIFY 65+50Cm FOR 76–KEYS)	210080
AFTER TOUCH ASSEMBLY (61–KEYS S2 MODEL)	720290
LEFT AFTER TOUCH ASSEMBLY (76–KEYS S3 MODEL)	720307
RIGHT AFTER TOUCH ASSEMBLY (76–KEYS S3 MODEL)	720308

DESCRIPTION	CODE
MYLAR CONTACT STRIP (SPECIFY 84Cm FOR 61–KEYS) (SPECIFY 61+44Cm FOR 76–KEYS)	340392
RUBBER STRIP (61–KEYS S2 MODEL)	210084
LEFT RUBBER STRIP (76–KEYS S3 MODEL)	210095
RIGHT RUBBER STRIP (76–KEYS S3 MODEL)	210096
FELT STRIP (61–KEYS S2 MODEL)	210085
LEFT FELT STRIP (76–KEYS S3 MODEL)	210093
RIGHT FELT STRIP (76–KEYS S3 MODEL)	210094
AFTER TOUCH BOARD (61–KEYS S2 MODEL) (PCB# 315026)	810520
LEFT AFTER TOUCH BOARD (76–KEYS S3 MODEL) (PCB# 315057)	810531
RIGHT AFTER TOUCH BOARD (76–KEYS S3 MODEL) (PCB# 315058)	810532
I.C. 74HC4514 4 TO 16 LINE DECODER	100646
BC173 NPN TRANSISTOR	090182
BC557C PNP TRANSISTOR	090291
1N4148 SIGNAL DIODE	080103
CONTROLS PANEL ELECT. & MECH. ASSEMBLY	
LEFT PLASTIC SUPPORT (CONTROLLERS)	340354
CENTRE PLASTIC SUPPORT (DISPLAY)	651263
RIGHT PLASTIC SUPPORT (BANKS/PERFORMANCE)	340355
DIAL	110254
DIAL KNOB	340364
DIAL WASHER	340373
DIAL STEEL SPHERE	120960
SLIDER KNOB	340367
"CONTRAST" KNOB	340370
"ENTER/EXIT" PUSH CAP	340365
"ENTER/EXIT" PUSH CAP SUPPORT	340366
TRIANGLE PUSH CAP	340371
6x8mm PUSH CAP	340368
6x15mm PUSH CAP	340369
LED LIGHT DIFFUSER	340372
"1" PUSH CAP	651251
"2" PUSH CAP	651252
"3" PUSH CAP	651253
"4" PUSH CAP	651254
"5" PUSH CAP	651255
"6" PUSH CAP	651256
"7" PUSH CAP	651257
"8" PUSH CAP	651258
"9" PUSH CAP	651259
"0" PUSH CAP	651260
"–" PUSH CAP	651262
"+" PUSH CAP	651261
CONTROLS PANEL BOARD (PCB# 315020)	810227
1N4148 SIGNAL DIODE	080103
RED LED	080711
MICROSWITCH (0.2mm ACTING–STROKE)	140520
10K LIN. SLIDER POTENTIOMETER	070554
5K LIN. "CONTRAST" POTENTIOMETER	070702
LCD DISPLAY 260x64 Dots	080722
PLEXIGLASS DISPLAY SCREEN	651268
DISPLAY SUPPORT	340362
DC–AC CONVERTER BOARD (PCB# CS032001)	730246
LCD CONTROLLER BOARD (PCB# 315053)	760778
INTEGRATED CIRCUIT: NE555 TIMER	100057
6264 64KBIT STATIC RAM	100573
SD1330 LCD CONTROLLER	100730
10MHz CERAMIC RESONATOR	010709
CPU & SOUND GENERATOR BOARD (PCB# 315021)	**760777**
INTEGRATED CIRCUIT: 74HC00 QUAD 2–INPUT NAND GATE	100600
74HC04 HEX INVERTER	100602
74HC32 QUAD 2–INPUT OR GATE	100619
74HC74 DUAL D–TYPE FLIP–FLOP	100614
74HC86 QUAD 2–INPUT EXOR GATE	100620
74HC125 QUAD 3–STATE BUFFERS	100605
74HC139 DUAL 1 OF 4 INVERTING DECODER	100623
74HC239 DUAL 1 OF 4 NONINVERTING DECODER	100647
74HC245 OCTAL BUS TRANSCEIVER	100610
74HC374 OCTAL D–TYPE FLIP–FLOP	100612
74AC08 QUAD 2–INPUT AND GATE	101006
74AC32 QUAD 2–INPUT OR GATE	101007
74AC74 DUAL D–TYPE FLIP–FLOP	101002
74AC138 1 OF 8 INVERTING DECODER	101001
74AC157 QUAD 2–INPUT DEMULTI/MULTIPLEXER	101005
74AC175 QUAD D–TYPE FLIP–FLOP	101003
TL084 QUAD J–FET INPUT OPERATIONAL AMPLIFIER	100084
LM311 VOLTAGE COMPARATOR	100075
LM336B 2.5V VOLTAGE REFERENCE	100920
7805 5V POSITIVE VOLTAGE REGULATOR	100059
7905 5V NEGATIVE VOLTAGE REGULATOR	100058
3381 DUAL VOLTAGE CONTROLLED AMPLIFIER	100906
DS1202 CLOCK CALENDAR	100731
T93C46 ERASABLE EPROM	100642
TC514256 256Kx4BIT DYNAMIC RAM	100586
UPD424400 1Mx4BIT DYNAMIC RAM	100641
WD37C65/A FLOPPY DISK CONTROLLER (WS1D ONLY)	100591
550107 UPD27C4001D PROGRAM EPROM "E"	550107
550108 UPD27C4001D PROGRAM EPROM "O"	550108
MC68302 MAIN CPU	100640
MSK1–100633 HN624017 DRUM SOUNDS ROM	100633
MSK2–100634 HN624017 PIANO SOUNDS ROM	100634
MSK3–100635 HN624017 BRASS/STRINGS SOUNDS ROM	100635
DISP1 DIGITAL SOUND PROCESSOR	100580
FILTER DIGITAL FILTER PROCESSOR	100596
REV–II DIGITAL REVERB PROCESSOR	100628
AD1865N 18BIT PCM DIGITAL TO ANALOG CONVERTER	100643
16MHz QUARTZ RESONATOR	010704
32.768Hz QUARTZ RESONATOR	010710
4K7x8 RESISTOR ARRAY	050452
3V 200mA LITIUM BATTERY	110283
IN/OUT BOARD (PCB# 315022)	**760775**
INTEGRATED CIRCUIT: 74HC245 OCTAL BUS TRANSCEIVER	100610
74HC374 OCTAL D–TYPE FLIP–FLOP	100612
74HC4351 ANALOG MULTI/DEMULTIPLEXER WITH ADDRESS LATCH	100645
6N138 OPTOCOUPLER	100035
LM324 QUAD OPERATIONAL AMPLIFIER	100056
LM339 QUAD VOLTAGE COMPARATORS	100921
TL072 DUAL J–FET INPUT OPERATIONAL AMPLIFIER	100061
Z8621AALB1 KEYBOARD CPU	100725
ADC7828 8BIT HIGH SPEED A/D CONVERTER	100644
12MHz CERAMIC RESONATOR	010700
10Kx8 RESISTOR ARRAY	050492
1K5x8 RESISTOR ARRAY	050373
RELAY 12V 2WAY 1A	110305
FEMALE JACK SOCKET (4 PINS)	140217
FEMALE 5 POLES DIN SOCKET	140212

NOTE: ANY REQUEST FOR NOT ABOVE MENTIONED PART MUST ENCOMPASS SPECIFIC DESCRIPTION INCLUDING : 1) MODEL NAME, 2) SECTION, 3) EVENTUAL MODULE CODE, 4) SCHEMATIC DIAG. REFERENCE, 5) QUANTITY NUMBER.

DRW BOCCATO	DWG# **550025**	SCHEMATIC DIAGRAM S2–S3	GENERALMUSIC MONDAINO (FO) ITALY
CKD RICCOBELLI	DISK: 11 PART:	**SPARE** PART LIST	
APP. PANNELLI	REV: 11–06–92		