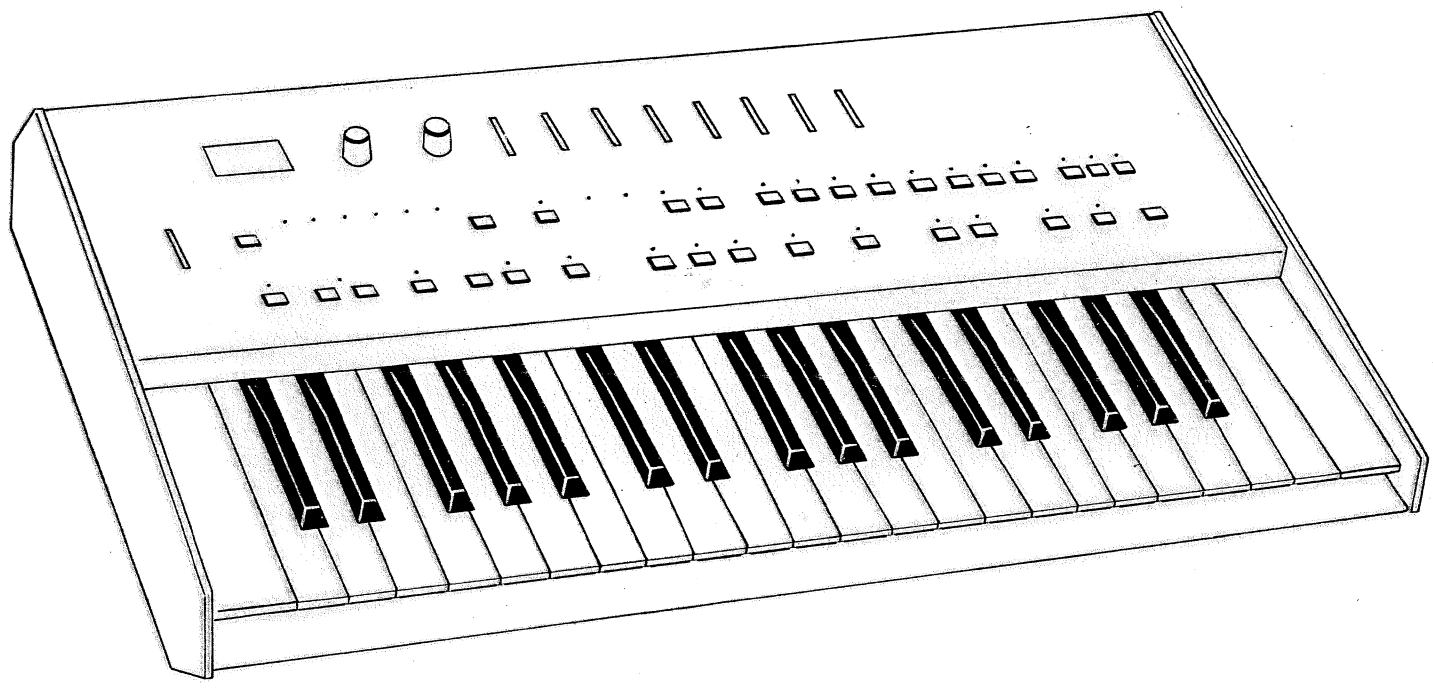
SOLTON

by KETRON Lab.



SCHEMATIC DIAGRAM

Mod. ARRANGER PLUS

A PRODUCT MADE IN ITALY BY :

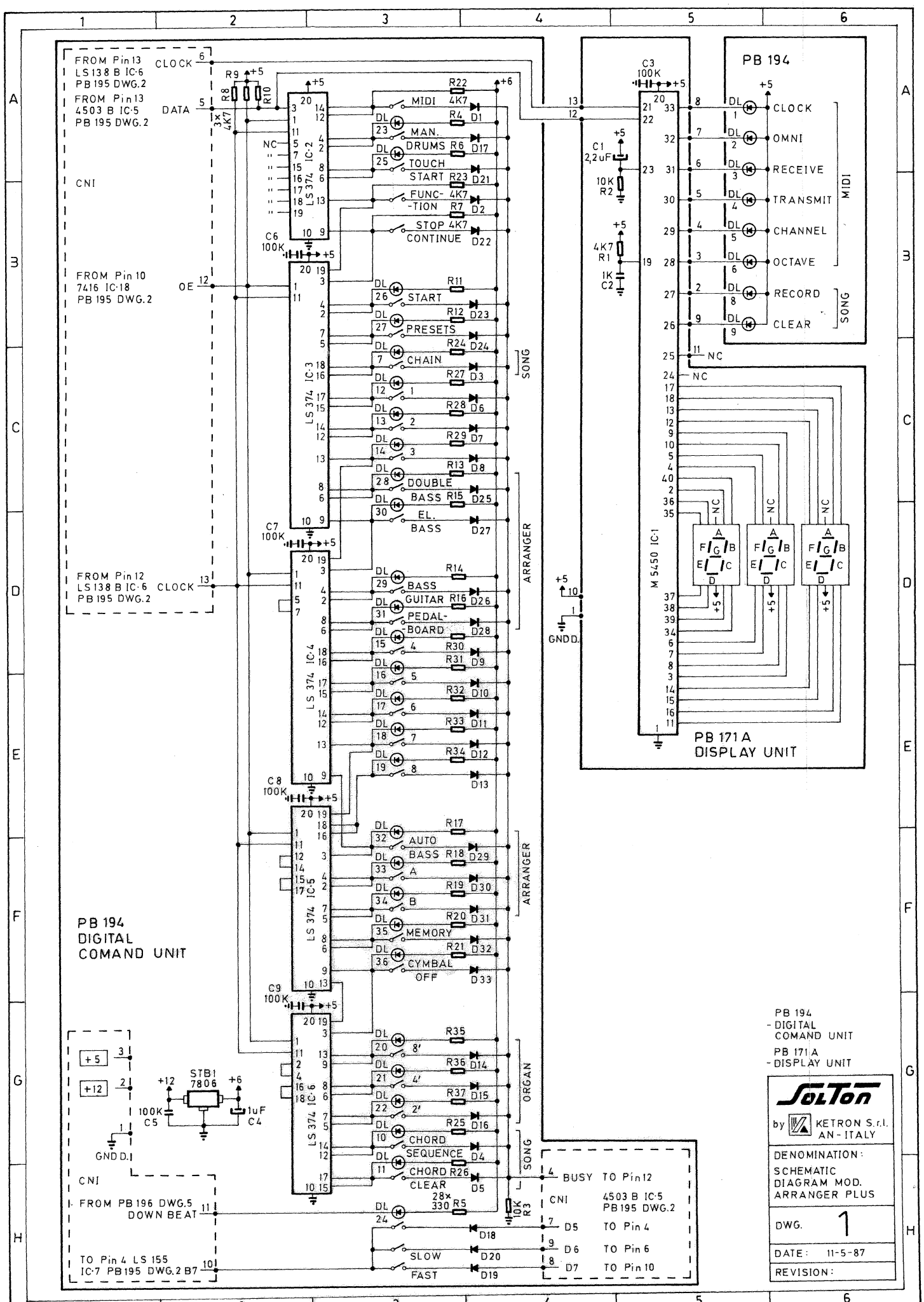
KETRON S.r.l.

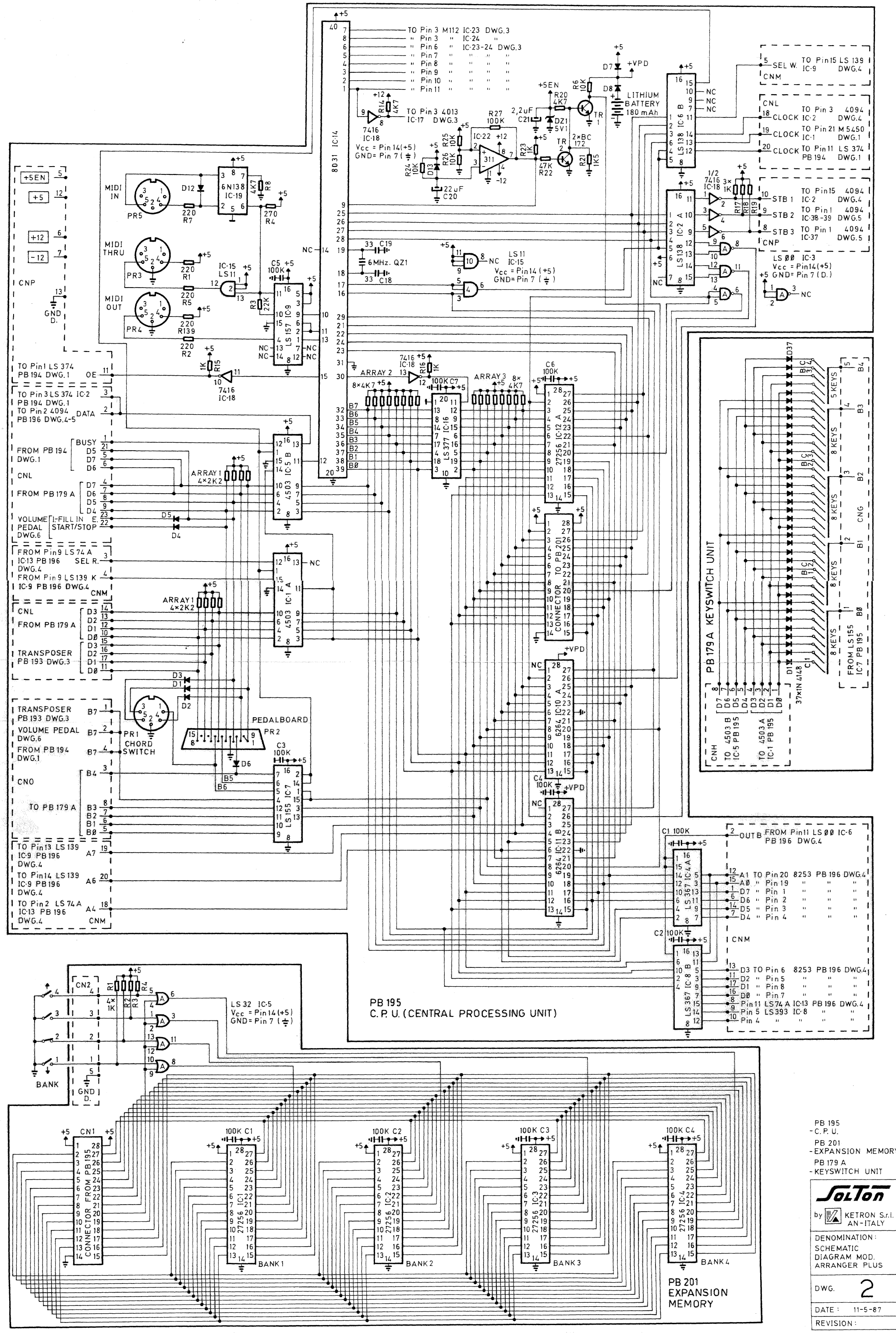
VIA G. DI VITTORIO 13

60020 CANDIA-ANCONA

tel. 071-8046059

ITALY


PB 194
DIGITAL
COMAND UNIT
PB 171 A
DISPLAY UNIT
FROM Pin 13
LS 138 B IC-6
PB 195 DWG. 2
FROM Pin 13
4503 B IC-5
PB 195 DWG. 2
CNI
FROM Pin 10
7416 IC-18
PB 195 DWG. 2
FROM Pin 12
LS 138 B IC-6 CLOCK
PB 195 DWG. 2
CLOCK
DATA
OE
MIDI
MAN.
DRUMS
TOUCH
START
FUNC-
-TION
STOP
CONTINUE
START
PRESETS
CHAIN
DOUBLE
BASS
EL.
BASS
BASS
GUITAR
PEDAL-
BOARD
AUTO
BASS
A
B
MEMORY
CYMBAL
OFF
8'
4'
2'
CHORD
SEQUENCE
CHORD
CLEAR
SLOW
FAST
ARRANGER
SONG
ORGAN
PB 194
CLOCK
OMNI
RECEIVE
TRANSMIT
CHANNEL
OCTAVE
RECORD
CLEAR
MIDI
SONG
NC
GNDD.
STB1
7806
FROM PB 196 DWG.5
DOWN BEAT
TO Pin 4 LS 155
IC-7 PB 195 DWG.2 B7
BUSY TO Pin12
D5 TO Pin 4
D6 TO Pin 6
D7 TO Pin 10
PB 194
- DIGITAL
COMAND UNIT
PB 171 A
- DISPLAY UNIT
SOLTON
by KETRON S.r.l.
AN - ITALY
DENOMINATION:
SCHEMATIC
DIAGRAM MOD.
ARRANGER PLUS
DWG. 1
DATE: 11-5-87
REVISION:


8031 IC-14
MIDI IN
MIDI THRU
MIDI OUT
6N138 IC-19
LS 157 IC-9
LS11 IC-15
7416 IC-18
ARRAY 1 4×2K2
ARRAY 2 8×4K7
ARRAY 3 8×4K7
LS 377 IC-16
LS 155 IC-7
4503 IC-5 B
4503 IC-1 A
LS 367 IC-8 B
LS 367 IC-4 A
LS 138 IC-6 B
LS 138 IC-2 A
LS ØØ IC-3
311 IC-22
6264 IC-10 A
6264 IC-11 B
CONNECTOR TO PB 201
27256 IC-12 A
2×BC 172
LITHIUM BATTERY 180 mAh
6 MHz. QZ1
PEDALBOARD
CHORD SWITCH
PB 179 A KEYSWITCH UNIT
5 KEYS
8 KEYS
37×1N 4148
FROM PB 194 DWG.1
FROM PB 179 A
VOLUME PEDAL DWG.6
TRANSPOSER PB 193 DWG.3
TO PB 179 A
CNP
CNL
CNM
CNO
CNH
TO Pin 3 M112 IC-23 DWG.3
TO Pin 3 4013 IC-17 DWG.3
TO Pin15 LS 139 IC-9 DWG.4
TO Pin 3 4094 IC-2 DWG.4
TO Pin 21 M 5450 IC-1 DWG.1
TO Pin11 LS 374 PB 194 DWG.1
TO Pin15 4094 IC-2 DWG.4
TO Pin 1 4094 IC-38-39 DWG.5
TO Pin 1 4094 IC-37 DWG.5
TO Pin1 LS 374 PB 194 DWG.1
TO Pin 3 LS 374 IC-2 PB 194 DWG.1
TO Pin 2 4094 PB 196 DWG.4-5
FROM Pin9 LS 74 A IC-13 PB 196 DWG.4
FROM Pin 9 LS 139 K IC-9 PB 196 DWG.4
TO Pin13 LS 139 IC-9 PB 196 DWG.4
TO Pin14 LS 139 IC-9 PB 196 DWG.4
TO Pin 2 LS 74 A IC-13 PB 196 DWG.4
FROM Pin11 LS ØØ IC-6 PB 196 DWG.4
A1 TO Pin 20 8253 PB 196 DWG.4
D3 TO Pin 6 8253 PB 196 DWG.4
Pin 11 LS 74 A IC-13 PB 196 DWG.4
Pin 5 LS 393 IC-8
LS 32 IC-5
Vcc = Pin 14 (+5)
GND = Pin 7 (⏚)
PB 195
C. P. U. (CENTRAL PROCESSING UNIT)
CONNECTOR FROM PB 195
BANK
BANK 1
BANK 2
BANK 3
BANK 4
PB 201
EXPANSION MEMORY
PB 195
- C. P. U.
PB 201
- EXPANSION MEMORY
PB 179 A
- KEYSWITCH UNIT
SOLTON
by KETRON S.r.l.
AN - ITALY
DENOMINATION:
SCHEMATIC DIAGRAM MOD. ARRANGER PLUS
DWG. 2
DATE: 11-5-87
REVISION:

PB 195
TONE GENERATOR

PB 193
RHYTHM - ACCOMP.
CONTROLS

PB 193
-RHYTHM -ACCOMP.
CONTROLS

PB 195
-TONE GENERATOR

SOLTON
by KETRON S.r.l.
AN - ITALY

DENOMINATION:
SCHEMATIC
DIAGRAM MOD.
ARRANGER PLUS

DWG. 3

DATE: 11-5-87

REVISION:

CNM
FROM Pin 9 LS 367 B IC-8 PB 195 DWG.2 D1
" Pin 7 " " " " " D0
" Pin 5 " " " " " D3
" Pin 3 " " " " " D2
FROM Pin 7 LS 367 A IC-4 PB 195 DWG.2 D4
" Pin 9 " " " " " D5
" Pin 11 " " " " " D6
" Pin 13 " " " " " D7
" Pin 3 " " " " " A0
" Pin 5 " " " " " A1

Pin 3 4094 IC-37-38-39 DWG.5
Pin 2 4094 IC-37-39 DWG.5

FROM Pin 13 4503 B IC-5 PB 195 DWG.2 DATA
FROM Pin 14 LS 138 B IC-6 PB 195 DWG.2 CLOCK
STB 1
FROM Pin 2 7416 IC-18 PB 195 DWG.2
CNR

8×4K7 ARRAY 1
CRASH
TAMBURINE
RIDE
H. H.
TOM
CONGAS
COW B. TIMB.
BASS D.
SNARE D.

IC-18 LS 04 B
Vcc = Pin 14 (+5)
GND = Pin 7 (⏚)

FROM Pin 12 4094 IC-38 PB 196 DWG.5 ACCENT

8×4K7 ARRAY 2

CNM
FROM Pin 11 LS 138 B IC-6 SEL W. PB 195 DWG.2
FROM Pin 4 6264 PB 195 DWG.2 A6
FROM Pin 3 6264 PB 195 DWG.2 A7

4013 IC-1
V_{DD} = Pin 14 (+5)
V_{SS} = Pin 7 (⏚)

4× BC 172

IC-7 LS 04 A

IC-6 LS 00
Vcc = Pin 14 (+5)
GND = Pin 7 (D.)

LS 04 A IC-7
Vcc = Pin 14 (+5)
GND = Pin 7 (⏚)
QZ1 800 K Hz.

LS 02 IC-14
Vcc = Pin 14 (+5)
GND = Pin 7 (⏚)

TL 071 IC-24

7416 IC-26
Vcc = Pin 14 (+5)
GND = Pin 7 (D.)

4053
V_{DD} = Pin 16 (+5)
V_{SS} = Pin 8 (GND A.)
V_{EE} = Pin 7 (-5)

CNM
SEL R. TO Pin 12 4503 A IC-1 PB 195 DWG.2
A4 FROM Pin 6 6264 PB 195 DWG.2
K TO Pin 15 4503 A IC-1 PB 195 DWG.2
OUT B TO Pin 15 LS 367 B IC-8 PB 195 DWG.2
" Pin 1 " " " "
" Pin 12 " " " "
" Pin 14 " " " "

CNR
RHYTHM HIGH TO PB 193 DWG.3
RHYTHM LOW TO PB 193 DWG.3
GND D.

PB 196
PCM RHYTHM SECTION

PB 196
-PCM
RHYTHM SECTION

SOLTON
by KETRON S.r.l.
AN ITALY

DENOMINATION:
SCHEMATIC
DIAGRAM MOD.
ARRANGER PLUS

DWG. 4

DATE : 11-5-87

REVISION:

PB 196
ACCOMP FILTERS
SOLO FILTERS
SELECT OUT

FROM PB 193 DWG.3
BASS SUST. 10
C66 100K +5
GATE 9
IC-36
DOUBLE BASS 4
EL.BASS B.GUITAR 5
CNR
4094 A IC-37
D1
R68 470K
C69 220K
R87 270K
R88 18K
R89 27K
R90 10K
D4
R86 1M2
R91 2,2uF C78
R72 100K
R77 33K C77
TR9
R94 100K
R93 220K
R92 680K
R95 560K
R98 330K
R97 150K
IC-42 1/2
R100 220K
RV1 4K7 FC BASS CONTROL
R96 1K
R73 2M2
R71 22K
R75 1K
R74 4K7
33uF C95
TR8
4053 IC-40
V_{DD} = Pin 16 (+5)
V_{SS} = Pin 8-7-6 (⏚)
C71 100K
R102 100K
R101 220
C79 1K
C75 10K
C74 10K
R82 15K
C76 100K
2044 IC-41
C72 680
C73 10K
R81 220
R99 47K
C192 47
IC-42 1458
C84 1uF
R118 56K
R117 2K2
R116 2K2
13700 B IC-43
R119 10K
R120 10K
C85 1uF
BASS TO BASS VOLUME PB 193 DWG.3
D2
D3
R85 4K7
R83 22K
R84 100K
TR 12
TR 11 14× BC172
R76 33K
R78 100K
NC
C191 100K
TR20
TR 14
R79 100K
R80 220K
BASS GUITAR
FROM Pin 6 7416 IC-18 PB 195 DWG.2
STB 3 6
FROM Pin 4 7416 IC-18 PB 195 DWG.2
STB 2 5
TO PB 194 DOWN BEAT DWG.1 9
BASS 1
SOLO 5
SOLO 6
FROM PB 195 DWG.3
CNS
2-4
R114 1K
R115 1K
100uF C83
100uF C92
100uF C91
CNS
R69 330K
IC-36 4001
V_{DD} = Pin 14 (+5)
V_{SS} = Pin 7 (⏚)
R70 47K
TR6
C67 100K
C70 100K
C65 100K
C87 15K
R122 100K
R121 100K
R137 1K
BC 550
TR 21
R123 6K8
820 C93
27K C86
33K R138
R143 18K
68K C94
R142 2K2
R141 2K2
13700 B IC-43
R145 10K
R147 10K
C108 100K
R166 33K
R168 15K
IC-45 1458
C110 1uF
SOLO TO PB193 DWG.3
7-9
GND A.
CLARINET
ACCENT
TO PB 196 DWG.4
NC
4094 B IC-38
R104 2M2
R105 22K
R103 100K
R106 33K
C80 1uF
R107 6K8
TR 15
TR16
C68 100K
R151 47K
R150 100K
R149 100K
R146 100K
C102 1K5
C100 2K2
C101 2K2
IC-45 1/2
R167 47K
C109 100K
13700 C IC-44
R140 2K2
R139 2K2
R144 10K
R146 10K
C112 100K
R188 10K
PIANO SOLO
C81 15K
R109 2M2
R110 330
R112 18K
R108 100K
R111 470K
C82 1uF
R113 6K8
TR 17
TR 18
TR19
R152 560
C114 15K
C103 15K
BC550
TR 39
R190 330K
R192 680
R191 33K
R185 47K
C111 10K
R184 2K2
R183 2K2
13700 C IC-44
R186 10K
R187 10K
C113 100K
R189 47K
BANJO
C89 15K
R132 2M2
R133 330
R135 10K
R131 100K
R154 220K
C90 1uF
R136 6K8
TR 27
TR 28
TR29
Pin2 4094 D IC-2 PB 196 DWG.4
DATA
Pin3 4094 D IC-2 PB 196 DWG.4
CLOCK
C106 100K
R178 2M2
R179 330
D8
R181 10K
R177 6K8
R180 680K
C107 1uF
R182 6K8
TR 36
TR 37
TR38
R214 100K
R217 47K
R216 100K
R215 100K
C126 680
C124 2K2
C125 2K2
IC-50 1/2
R211 100K
C123 1uF
13700 D IC-49
R210 2K2
R209 2K2
R212 10K
R213 10K
C134 100K
R221 22K
R222 22K
IC-50 1458
C136 1uF
ACCOMP 1 TO CHORD 1 PB 193 DWG.3
R125 100K
R170 2M2
R169 22K
R175 22K
R173 100K
R174 10K
R237 270K
R236 100K
R234 100K
RV2 100K FC BRASS CONTROL
R235 1K
C188 100K
R171 33K
R172 560K
C104 100K
2,2uF C105
R124 100K
R176 100K
IC-52 1/2
TR 34
TRIGG. BRASS
GATE BRASS
R127 2M2
R128 10K
R126 100K
R129 100K
C88 1uF
R130 6K8
TR 22
TR 25
TR26
R208 100K
C122 100K
R207 220
C121 1K
R238 15K
C143 33
C130 47
C131 10K
R205 220
R206 15K
C189 100K
IC-48 2044
IC-52 1458
R241 100K
C144 100K
R240 2K2
R239 2K2
13700 D IC-49
R242 10K
R243 10K
C135 100K
R220 22K
CNT
R195 100K
C115 100K
R194 2K2
R193 2K2
13700 E IC-46
R196 10K
R197 10K
C116 100K
R229 47K
R230 100K
R231 100K
C142 1K
R233 3M3
D9
C127 4K7
C141 2K2
IC-51 1458
R232 47K
R198 47K
C145 100K
R245 330K
DIST. GUITAR
C98 15K
R161 2M2
R162 330
D7
R164 27K
R160 100K
R163 2M2
C99 1uF
R165 27K
TR 31
TR 32
TR33
ACCOMP 1
FROM PB 195 DWG.3
ACCOMP 2
CNT
R200 100K
R218 100K
C129 1K
R199 100K
C177 22K
IC-47 1458
R226 68K
C140 10K
R223 1K
R224 1K
13700 E IC-46
R227 10K
R228 10K
C146 100K
R244 10K
R246 10K
IC-53 741
C138 1uF
ACCOMP 2 TO CHORD 2 PB 193 DWG.3
R219 100K
C128 150
C120 2K2
R203 47K
R202 100K
R201 100K
R204 47K
220 C118
3K9 C119
R225 220K
GUITAR
C96 6K8
R154 2M2
R155 330
D15
R157 47K
R153 100K
R156 470K
C97 1uF
R159 6K8
TR 23
TR 24
TR30
18× BC307

PB 196
-ACCOMP FILTERS
-SOLO FILTERS
-SELECT OUT

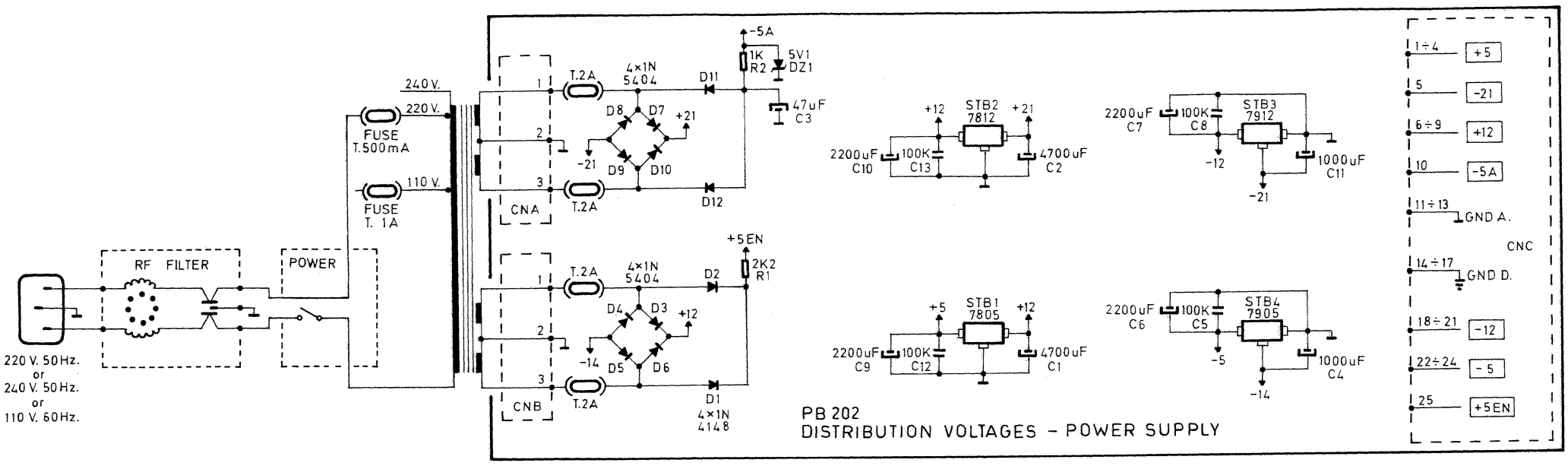
SOLTON
by KETRON S.r.l.
AN-ITALY

DENOMINATION:
SCHEMATIC DIAGRAM MOD. ARRANGER PLUS

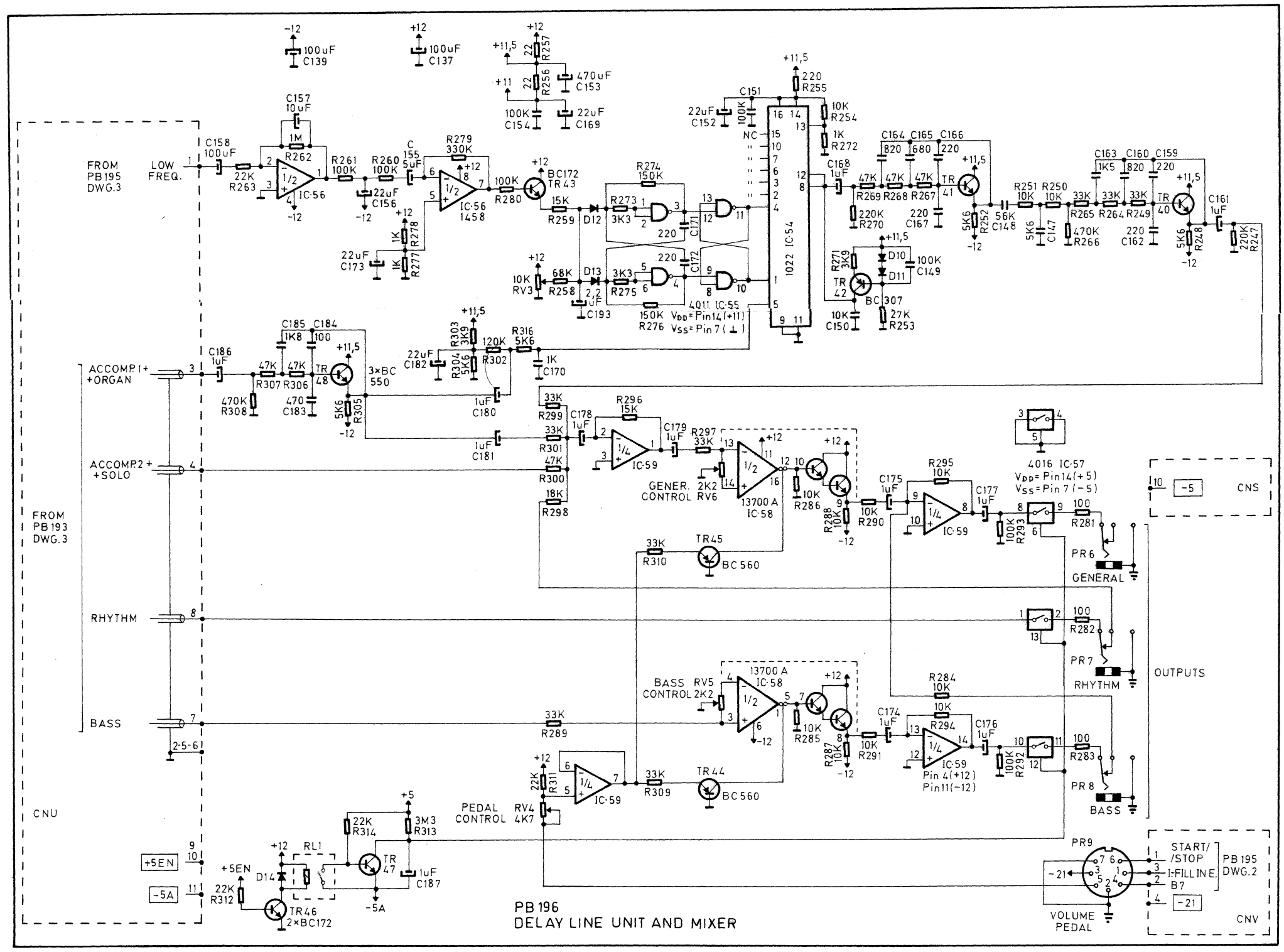
DWG. 5

DATE: 11-5-87

REVISION:



PB 202
DISTRIBUTION VOLTAGES - POWER SUPPLY



PB 196
DELAY LINE UNIT AND MIXER

PB 202
- DISTRIBUTION VOLTAGES POWER SUPPLY

PB 196
- STRING UNIT-MIXER

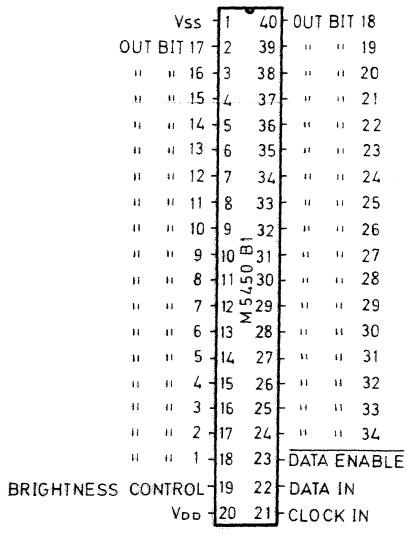
SOLTON
by KETRON S.r.l.
AN-ITALY

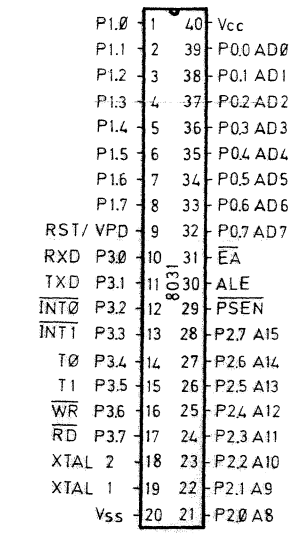
DENOMINATION:
SCHEMATIC DIAGRAM MOD. ARRANGER PLUS

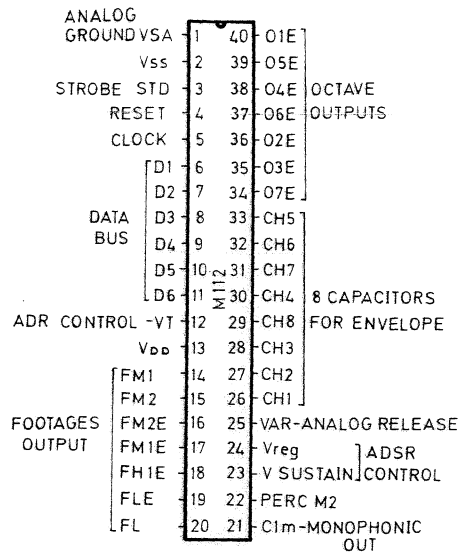
DWG. 6

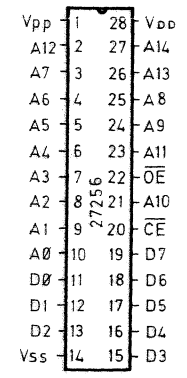
DATE: 11-5-87

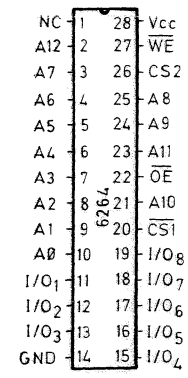
REVISION:

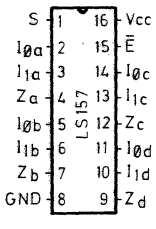

M5450 B1
Vss 1 40 OUT BIT 18
OUT BIT 17 2 39 " " 19
" " 16 3 38 " " 20
" " 15 4 37 " " 21
" " 14 5 36 " " 22
" " 13 6 35 " " 23
" " 12 7 34 " " 24
" " 11 8 33 " " 25
" " 10 9 32 " " 26
" " 9 10 31 " " 27
" " 8 11 30 " " 28
" " 7 12 29 " " 29
" " 6 13 28 " " 30
" " 5 14 27 " " 31
" " 4 15 26 " " 32
" " 3 16 25 " " 33
" " 2 17 24 " " 34
" " 1 18 23 DATA ENABLE
BRIGHTNESS CONTROL 19 22 DATA IN
VDD 20 21 CLOCK IN

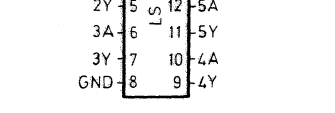

8031
P1.Ø 1 40 Vcc
P1.1 2 39 P0.0 ADØ
P1.2 3 38 P0.1 AD1
P1.3 4 37 P0.2 AD2
P1.4 5 36 P0.3 AD3
P1.5 6 35 P0.4 AD4
P1.6 7 34 P0.5 AD5
P1.7 8 33 P0.6 AD6
RST/ VPD 9 32 P0.7 AD7
RXD P3.Ø 10 31 EA
TXD P3.1 11 30 ALE
INTØ P3.2 12 29 PSEN
INT1 P3.3 13 28 P2.7 A15
TØ P3.4 14 27 P2.6 A14
T1 P3.5 15 26 P2.5 A13
WR P3.6 16 25 P2.4 A12
RD P3.7 17 24 P2.3 A11
XTAL 2 18 23 P2.2 A10
XTAL 1 19 22 P2.1 A9
Vss 20 21 P2.Ø A8

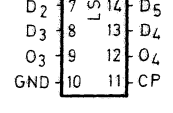

M112
ANALOG GROUND VSA 1 40 O1E
Vss 2 39 O5E
STROBE STD 3 38 O4E
RESET 4 37 O6E
CLOCK 5 36 O2E
DATA BUS D1 6 35 O3E
D2 7 34 O7E
D3 8 33 CH5
D4 9 32 CH6
D5 10 31 CH7
D6 11 30 CH4
ADR CONTROL -VT 12 29 CH8
VDD 13 28 CH3
FM1 14 27 CH2
FM2 15 26 CH1
FOOTAGES OUTPUT FM2E 16 25 VAR-ANALOG RELEASE
FM1E 17 24 Vreg
FH1E 18 23 V SUSTAIN
FLE 19 22 PERC M2
FL 20 21 C1m-MONOPHONIC OUT
OCTAVE OUTPUTS
8 CAPACITORS FOR ENVELOPE
ADSR CONTROL

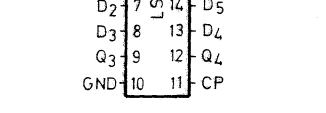

27256
Vpp 1 28 VDD
A12 2 27 A14
A7 3 26 A13
A6 4 25 A8
A5 5 24 A9
A4 6 23 A11
A3 7 22 OE
A2 8 21 A10
A1 9 20 CE
AØ 10 19 D7
DØ 11 18 D6
D1 12 17 D5
D2 13 16 D4
Vss 14 15 D3

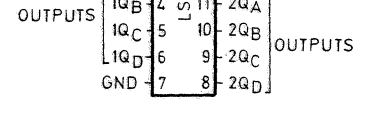

6264
NC 1 28 Vcc
A12 2 27 WE
A7 3 26 CS2
A6 4 25 A8
A5 5 24 A9
A4 6 23 A11
A3 7 22 OE
A2 8 21 A10
A1 9 20 CS1
AØ 10 19 I/O8
I/O1 11 18 I/O7
I/O2 12 17 I/O6
I/O3 13 16 I/O5
GND 14 15 I/O4

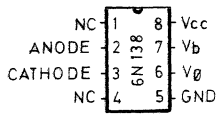

8253
D7 1 24 Vcc
D6 2 23 WR
D5 3 22 RD
D4 4 21 CS
D3 5 20 A1
D2 6 19 AØ
D1 7 18 CLK 2
DØ 8 17 OUT 2
CLK Ø 9 16 GATE 2
OUT Ø 10 15 CLK 1
GATE Ø 11 14 GATE 1
GND 12 13 OUT 1

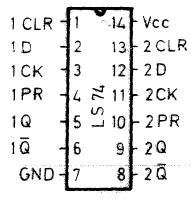

DAC 0800
THRESHOLD CONTROL VLC 1 16 COMPENSATION
IOUT 2 15 VREF(-)
V- 3 14 VREF(+)
IOUT 4 13 V+
MSB B1 5 12 B8 LSB
B2 6 11 B7
B3 7 10 B6
B4 8 9 B5

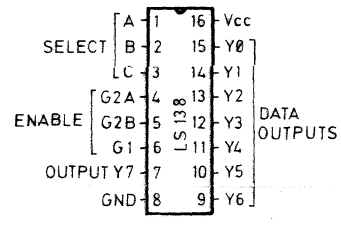

3350
IREF 1 16 Vcc
VIF 2 15 VBP
VLP 3 14 VIV
VIV 4 13 VLP
VBP 5 12 VIF
VCQ 6 11 VCQ
VEE 7 10 VCF
VCF 8 9 GND

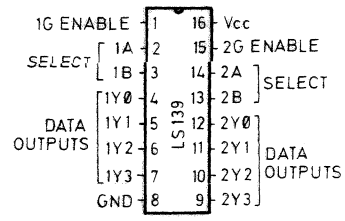

2044
SIG IN+ 1 16 +V
Q CONTROL 2 15 SIG IN -
OUT 3 14 C1A
C4A 4 13 FREQ. CONTROL
C4B 5 12 C1B
C3A 6 11 C2A
C3B 7 10 C2B
GND 8 9 -V

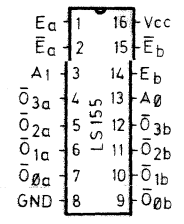

1022
CLOCK INPUT 1 1 16 GROUND
NC 2 15 NC
NC 3 14 NC
CLOCK INPUT 2 4 13 TETRODE GATE
SIGNAL INPUT 5 12 OUTPUT 512
NC 6 11 NC
NC 7 10 NC
OUTPUT 513 8 9 NEGATIVE SUPPLY


6N 138
NC 1 8 Vcc
ANODE 2 7 Vb
CATHODE 3 6 Vø
NC 4 5 GND

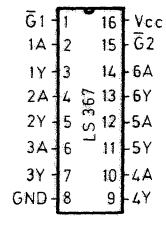

LS 74
1 CLR 1 14 Vcc
1 D 2 13 2 CLR
1 CK 3 12 2 D
1 PR 4 11 2 CK
1 Q 5 10 2 PR
1 Q̄ 6 9 2 Q
GND 7 8 2 Q̄


LS 138
SELECT A 1 16 Vcc
B 2 15 Y0
C 3 14 Y1
ENABLE G2A 4 13 Y2
G2B 5 12 Y3
G1 6 11 Y4
OUTPUT Y7 7 10 Y5
GND 8 9 Y6
DATA OUTPUTS


LS 139
1G ENABLE 1 16 Vcc
SELECT 1A 2 15 2G ENABLE
1B 3 14 2A
1Y0 4 13 2B
DATA OUTPUTS 1Y1 5 12 2Y0
1Y2 6 11 2Y1
1Y3 7 10 2Y2
GND 8 9 2Y3
SELECT
DATA OUTPUTS


LS 155
Ea 1 16 Vcc
Ea 2 15 Eb
A1 3 14 Eb
O3a 4 13 AØ
O2a 5 12 O3b
O1a 6 11 O2b
ØØa 7 10 O1b
GND 8 9 ØØb

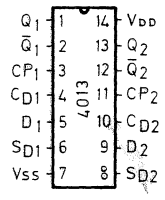
LS 157
S 1 16 Vcc
Ø a 2 15 E
I1a 3 14 Ø c
Za 4 13 I1c
Ø b 5 12 Zc
I1b 6 11 Ø d
Zb 7 10 I1d
GND 8 9 Zd

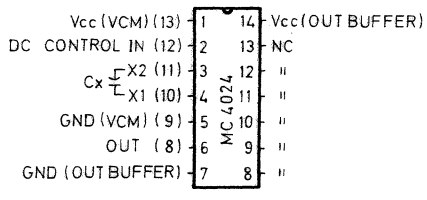

LS 367
G1 1 16 Vcc
1A 2 15 G2
1Y 3 14 6A
2A 4 13 6Y
2Y 5 12 5A
3A 6 11 5Y
3Y 7 10 4A
GND 8 9 4Y

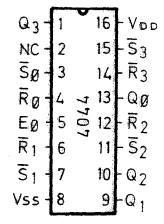
LS 374
OE 1 20 Vcc
Ø 2 19 O7
D Ø 3 18 D7
D1 4 17 D6
O1 5 16 O6
O2 6 15 O5
D2 7 14 D5
D3 8 13 D4
O3 9 12 O4
GND 10 11 CP

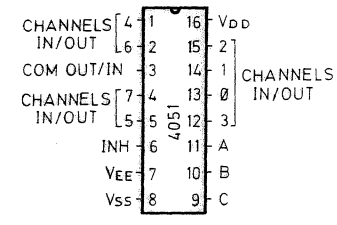
LS 377
E 1 20 Vcc
Q Ø 2 19 Q7
D Ø 3 18 D7
D1 4 17 D6
Q1 5 16 Q6
Q2 6 15 Q5
D2 7 14 D5
D3 8 13 D4
Q3 9 12 Q4
GND 10 11 CP

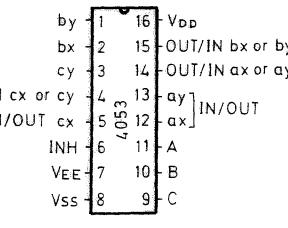
LS 393
1A 1 14 Vcc
1 CLEAR 2 13 2A
1QA 3 12 2CLEAR
OUTPUTS 1QB 4 11 2QA
1QC 5 10 2QB
1QD 6 9 2QC
GND 7 8 2QD
OUTPUTS

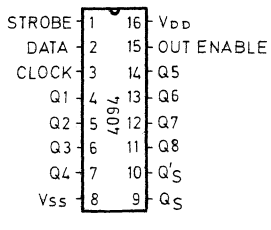

4013
Q1 1 14 VDD
Q̄1 2 13 Q2
CP1 3 12 Q̄2
CD1 4 11 CP2
D1 5 10 CD2
SD1 6 9 D2
Vss 7 8 SD2

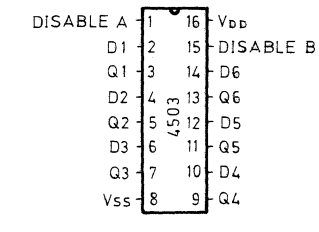

MC 4024
Vcc (VCM) (13) 1 14 Vcc (OUT BUFFER)
DC CONTROL IN (12) 2 13 NC
Cx X2 (11) 3 12 "
X1 (10) 4 11 "
GND (VCM) (9) 5 10 "
OUT (8) 6 9 "
GND (OUT BUFFER) 7 8 "

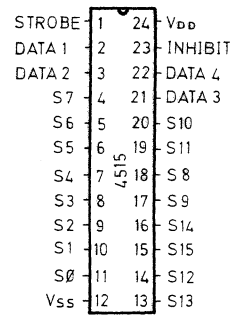

4044
Q3 1 16 VDD
NC 2 15 S3
Sø 3 14 Rø
Rø 4 13 Qø
Eø 5 12 R2
R1 6 11 S2
S1 7 10 Q2
Vss 8 9 Q1

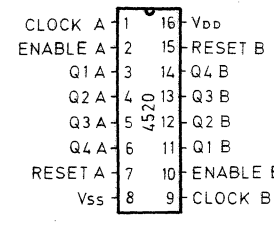

4051
CHANNELS IN/OUT 4 1 16 VDD
6 2 15 2
COM OUT/IN 3 14 1
CHANNELS IN/OUT 7 4 13 Ø
5 12 3
INH 6 11 A
VEE 7 10 B
Vss 8 9 C
CHANNELS IN/OUT


4053
by 1 16 VDD
bx 2 15 OUT/IN bx or by
cy 3 14 OUT/IN ax or ay
OUT/IN cx or cy 4 13 ay
IN/OUT cx 5 12 ax
INH 6 11 A
VEE 7 10 B
Vss 8 9 C
IN/OUT


4094
STROBE 1 16 VDD
DATA 2 15 OUT ENABLE
CLOCK 3 14 Q5
Q1 4 13 Q6
Q2 5 12 Q7
Q3 6 11 Q8
Q4 7 10 Q'S
Vss 8 9 QS


4503
DISABLE A 1 16 VDD
D1 2 15 DISABLE B
Q1 3 14 D6
D2 4 13 Q6
Q2 5 12 D5
D3 6 11 Q5
Q3 7 10 D4
Vss 8 9 Q4


4515
STROBE 1 24 VDD
DATA 1 2 23 INHIBIT
DATA 2 3 22 DATA 4
S7 4 21 DATA 3
S6 5 20 S10
S5 6 19 S11
S4 7 18 S8
S3 8 17 S9
S2 9 16 S14
S1 10 15 S15
SØ 11 14 S12
Vss 12 13 S13


4520
CLOCK A 1 16 VDD
ENABLE A 2 15 RESET B
Q1 A 3 14 Q4 B
Q2 A 4 13 Q3 B
Q3 A 5 12 Q2 B
Q4 A 6 11 Q1 B
RESET A 7 10 ENABLE B
Vss 8 9 CLOCK B