Series 2400 block schematic

1 to 24

CUE | GRP SUM | SOLO | SOLO EN | MUTE | MIX

INPUT PCB SC1140/41

PAD | MIC AMP | MIC/LINE | LINE AMP | Ø REV | HI PASS FILTER | HI PASS | 4 BAND EQ | EQ

LINE I/P | INSERT SEND | INSERT RET | E OUT

ON | PEAK | MUTE SYSTEM | FADER | NAND | PAN | ROUTING MATRIX

SOLO | L | R | PRE | SOL | MUTE | V_{DD} | SOLO SAFE

CUES ON | PRE | 5 & 6 STEREO

MUTE | A | B

OUTPUT PCB SC1142

GROUP SUM | SUM

INSERT SEND | INSERT RETURN | GROUP FADER | FADER REVERSE | MONITOR FADER | EQ | 3 BAND EQ

GROUP OUT | TAPE SEND | RECORD | SUB | SUB & GRP | GRP

MONITOR RETURN | TAPE RET | ON

PAN | AND | OR | GROUP SOLO | ODD | EVEN

MNTR SOLO

CUES ON | CUE SEND SYSTEM AS INPUT | 5 & 6 STE

9-16 | 9-12 | 13-16

24 TRACK PCB

GRP SUM 17-20 | SEND 17-20 RET | GRP SUM 21-24 | SEND 21-24 RET | TAPE RET | MTR | MONITOR 17-20 | MONITOR 21-24 | BUS | SOLO

CUES | GROUPS | FREQ | OSC | ON

CUE OSCILLATOR PCB SC1143

CUE 1 | CUE 6 | SOLO 1 | SOLO 6

MASTER A | MASTER B | MUTE A | MUTE B

T B AMP | MIC

MASTER PCB SC1144

DIM | $+V_{DD}$ | 1-2 | 3-4 | 5-6 | COMM SELECT SWITCHES | TALK BACK | COMM | SLATE | 30 Hz OSC

MON/STE | SIP | SOLO DETECT SOLO | MNO

AUX 1 | AUX 3 | AUX 5 | MON SOURCE SELECT L | AUX 2 | AUX 4 | AUX 6 | MON SOURCE SELECT R | LEFT | RIGHT

OSC | HEADPHONES | AUX 1 | AUX 6 | TALKBACK | STUDIO SPEAKERS | ON STUDIO | ALT SPKR | C/ROOM SPEAKERS | TO HEADPHONE SWITCHING | MONITOR SELECT INTERLOCKING SWITCHES

MIX OUT | 2 TRACK A | 2 TRACK B | 2 TRACK C | 2 TRACK SENDS | 2 TRACK RETURNS | MIX INSERTS

- Input module
- Group/monitor module
- Master module
- Cue, oscillator (part of master module)
- 24 track monitor module

Drg. No. ED 2089

LI = LINE INPUT
IS = INSERT SEND
IR = INSERT RETURN
LO = LINE OUTPUT

IC1,4 & 6 = TL072/μAF772
IC5 = NE5534
TR1-6 = 2N4402
TR7-10,12 = 2SC1681BL
TR11 = 2SA842GR
D1-D2 = 1N4148

Iss 13 - 11 - 81	THIRD ANGLE PROJECTION	NOTES	TOLERANCE	HOLE INDEX	MATL ——	DRN Barry	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S2400 INPUT BOARD CIRCUIT DIAGRAM P.C.B No.
Issue 3 6 - 10 - 82		Resistors in ohms. Capacitors in micro farads, unless otherwise stated.	All imperial dimensions ± 0·01 All metric dimensions ± 0·25mm All angles ± 0·50° Unless otherwise stated		FINISH ——	TRCD		
ISS 4 7-10-85					SCALE ——	CHKD		DRG. No. ED 2085

1 - L
2 - R
3 L

TR1 = A970CR
TR2 = J112
TR3 = J112
IC1 = 4011
IC2 = TL072
D1 = IN4148
D2 = IN4148

LINK & D2 SHOULD BE REMOVED IN THE EVENT OF AUTOMATION RETRO-FITTING

THIRD ANGLE PROJECTION	NOTES: All capacitors in micro farads, resistors in ohms unless stated otherwise. FOR PART No. RB 0102	TOLERANCE: All imperial dimensions ± 0·01; All metric dimensions ± 0·25mm; All angles ± 0·50°	HOLE INDEX

MATL ——	DRN Barry	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01·251·3631/2/3	TITLE S 2400 INPUT SWITCH PCB WITH FET MUTE CCT
FINISH ——	TRCD		

CUES ON
STE
S11
S10
IC10a
IC10b
C20 22
C21 22
R50 12K
R48 12K
R47 12K
R51 3·3K
VR3 PAN 4·7K LIN
cw
R52 3·3K
LED2 GREEN
-VL
MONITOR ON
S7
CPG
S8
TAPE RETURN
16
S9
LED3 RED
MONITOR SOL
S4
REVERSE FDR
S3
SUB
S1
LED1 RED
GROUP SOL
S2
R17 3·3K
+VL
SHORT FADER
VR2 10K LOG
VR1 10K LOG
LONG FADER
R18 12K
R19 12K
R20 12K
R21 12K
R33 12K
C11 22
R32 22K
R29 100
R28 4·7K
R26 4·7K
IC6d
IC6b
IC6c
IC6a
R27 100K
IC5a
IC5b
R34 4·7K
H.F. 47K LIN VR4
R37 4·7K
C15 100p
C12 1·5n
C13 47n
C14 47n
R36 22K
R35 6·8K
R38 6·8K
LF. 47K LIN VR5
IC8
MID VR6 47K LIN
R41 22K
-17V
R39 4·7M
C16 100p
TR1
R42 6·8K
R40 4·7K
+17V
C17 6·8n
MID FREQ 100K S.I.LOG
VR7
R43 6·8K
C18 3·3n
R44 22K
IC9
R45 680K
C19 22
R46 12K
EQ
S6
PRE
S5
R53 3K
R54 3K
C26 100p
IC7
R31 4·7K
R30 100K
C10 100p
VR8 10K LOG
VR9 10K LOG
VR10 10K LOG
VR11 10K LOG
VR12 10K LOG
VR13 10K LOG
ODD
L22
EVEN
C1 33p
R1 12K
IC1
C12 12p
R2 12K
C3 12p
R3 12K
IC2
R4 75
C4 22
R5 12K
C6 100p
R10 12K
C7 22
R11 75
IC3
R12 12K
R9 3·3K
C9 10p
R7 100
R8 100K
ODD
L24
EVEN
R24 12K
R25 12K
R22 100K
R23 100K
R55 12K
R56 12K
R57 12K
R58 12K
R59 12K
R60 12K
TO IC 3-5 -17V +17V
TO IC 1,2,6,8.10 -17V +17V
C22 22
R61 10
C23 22
R62 10
R16 33
CONNECTOR 2
L35
CONNECTOR 1 METER O/P
R6 33
R13 33
T. RET
GRP O/P
IC4
R14 100K
C8 1·5n
R15 12K
INS. SND
INS. RET
MIX SUM L R
0 V
+17V
-17V
AUX BUSSES
GROUP BUSSES
O/P SOL EN
-7·5
+7·5
CONNECTOR 3
PFL R L
TO IC8,9
R63 10
R64 10
C24 22
C25 22
C27 100n
Chassis
LED5 GREEN
LED4 RED
LED6 RED
LED7 RED
J1
S12
USED ON AUTOMATED 2400 ONLY

RATED CIRCUITS
= NE5534
,7,8,9 = TL071
5 = CD4016
6 = CD4011
TL072
ISTORS
2SC1681BL

See Bar from Pic up

Issue	Date	Description
3	13 - 11 - 81	
Issue 3	3 - 12 - 81	
Issue 4		L35, C26 & C27 added on Issue 3 P.C.B.
	6 - 10 - 82	
Issue 5		C6 was 12pF.
	4 - 2 - 83	

THIRD ANGLE PROJECTION

NOTES
All capacitors in micro farads, resistors in ohms unless stated otherwise.
FOR PART No.RA0177.

TOLERANCE
All imperial dimensions ±0·01
All metric dimensions ±0·25mm
All angles ±0·50°
Unless otherwise stated

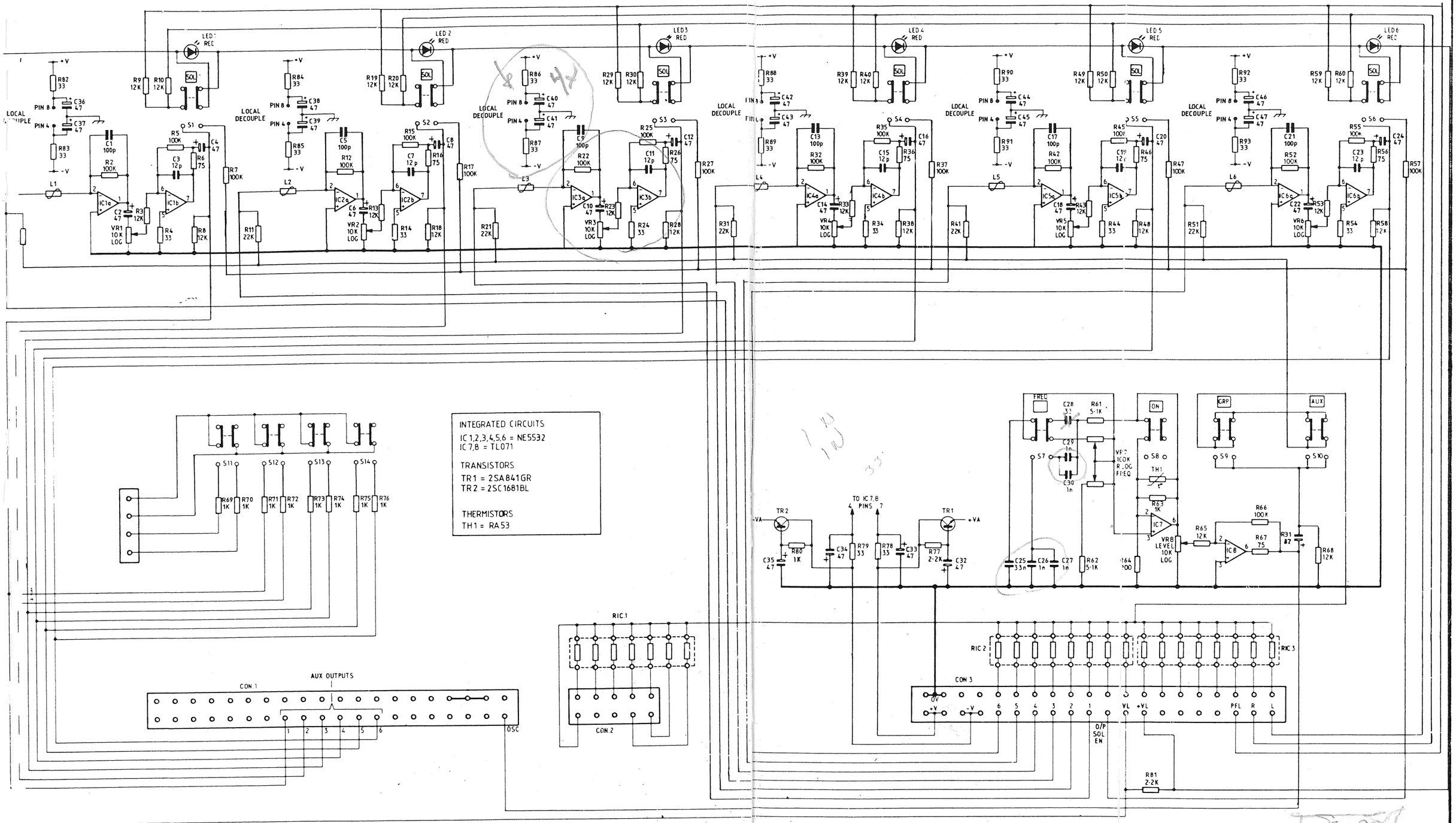
HOLE INDEX

MATL	—	DRN	Barry
FINISH	—	TRCD	
SCALE	—	CHKD	

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V. OBX.
TELEPHONE. 01·251·3631/2/3
TELEGRAMS SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA No. 224408

TITLE S 2400
OUTPUT P.C.B
CIRCUIT DIAGRAM
(P.C.B No.SC1193)

DRG. No. ED 2088



THIRD ANGLE PROJECTION	NOTES All capacitors in micro farads resistors in ohms unless stated otherwise st FOR PART NO RA 0185	TOLERANCE All imperial dimensions ±0·01 All metric dimensions ±0·25mm All angles ±0·5 Unless otherwise stated	HOLE INDEX	MATL ——	DRN Barry	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01·251·3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK No 21198 USA No 234408	TITLE S 2400 AUX MASTER P.C.B CIRCUIT DIAGRAM (P.C.B No. SC 1612)
				FINISH ——	TRCD		DRG. No. ED 2310
				SCALE ——	CHKD		

INTEGRATED CIRCUITS.
IC 1,2 = NE 5532
IC 3,6,8 = TL 074
IC 4,7,10 = CD 4016
IC 5 = CD 4011
IC 9 = TL 072
TRANSISTORS
TR1,2,3 = 2SC1681BL

Issue	Date
3 – 1	
Issue 3	30 – 4 – 82
Issue 4	6 – 10 – 82
Issue 5	7 – 9 – 84

THIRD ANGLE PROJECTION

NOTES
All resistors in ohms
Capacitors in micro farads
Unless otherwise stated
PART No. RB 0185

TOLERANCE
All imperial dimensions ± 0·01
All metric dimensions ± 0·25mm
All angles ± 0·5(°)
Unless otherwise stated

HOLE INDEX

MATL	—	DRN	Barry
FINISH	—	TRCD	
SCALE	—	CHKD	

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
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TELEPHONE. 01 · 251 · 3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK No 21198 USA No 234408

TITLE S 2400
MASTER PCB
CIRCUIT DIAGRAM
(FOR SC1198)

DRG. No. ED 2090

P.C.B No. SC1221
PART No. GA0213
IC'S
IC 1,2,5 & 6 = TL072
IC 3 & 4 = TL071

P.C.B No SC1220
PART No GA0214
IC'S
IC 1,2,5 & 6 = TL072
IC 3 = TL071

NOTES
Resistors in ohms
Capacitors in micro farads
Unless otherwise stated.
FOR PART No. RS 1545

TOLERANCE
All imperial dimensions ± 0·01
All metric dimensions ± 0·25mm
All angles ± 0·50°
Unless otherwise stated

HOLE INDEX

MATL —
FINISH —
SCALE —

DRN Barry
TRCD
CHKD

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TELEPHONE. 01·251·3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK No 21198 USA No 01-2203

TITLE S2400
24 TRK MONITOR
MODULE

DRG. No. ED2098

4. 2. 85

CHANNEL GROUP

10 WAY SOLDER TRANSITION

LI MR
IS IS
IR IR
LO GO

½" LINK L1

3 WAY HONDA JUMPERS

PIN	CHANNEL	GROUP
1	LINE INPUT	INSERT SEND
2	— OV —	— OV —
3	INSERT SEND	INSERT RTN.
4	— OV —	— OV —
5	INSERT RTN.	GROUP OUT
6	— OV —	— OV —
7	LINE OUT	MONIT. RTN.
8		
9	— OV —	— OV —
10		

R2 IS EQUAL VALUE SIL. PACK

R1 IS 2x EQUAL VALUE SIL. PACKS

R4 IS EQUAL VALUE SIL PACK

R3 IS 2x EQUAL VALUE SIL PACKS

+V −V 0V

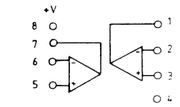
10 WAY SERT IDC MALE POWER CONN.

½" LINK L2

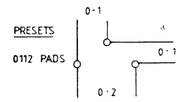
LI IS IR LO

8 WAY R/A METHOD

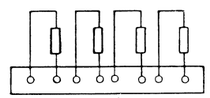
TLO 72/ 5532



PRESETS 0112 PADS



S.I.L RES NETWORKS



AS ABOVE

AS ABOVE

AS ABOVE

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NOTES.

HOLE INDEX.

TOLERANCE.
All imperial dimensions ±0·010
All metric dimensions ±0·25mm
All angles ±0·50°
Unless otherwise stated.

THIRD ANGLE PROJECTION

MATL.

FINISH.

SCALE.

DRG.

TRCD. MS

CHKD.

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LONDON. EC1V. OBX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC1
TELEX. UK No. 21198 USA No. 01-2203

TITLE.
S2400 4CH/GP
EBOS/EBIP PCB (SC 1577)

DRG No. ED 2234

DRG No. ED 2234

4. 2. 85

CHANNEL GROUP

10 WAY SOLDER TRANSITION

LI MR
IS IS
IR IR
LO GO

½" LINK L1

3 WAY HONDA JUMPERS

PIN	CHANNEL	GROUP
1	LINE INPUT	INSERT SEND
2	— OV —	— OV —
3	INSERT SEND	INSERT RTN.
4	— OV —	— OV —
5	INSERT RTN.	GROUP OUT
6	— OV —	— OV —
7	LINE OUT	MONIT. RTN.
8		
9	— OV —	— OV —
10		

R2 IS EQUAL VALUE SIL. PACK

R1 IS 2x EQUAL VALUE SIL. PACKS

R4 IS EQUAL VALUE SIL PACK

R3 IS 2x EQUAL VALUE SIL PACKS

+V -V OV

10 WAY SERT IDC MALE POWER CONN.

8 WAY R/A METHOD

TLO 72/ 5532

PRESETS 0112 PADS

S.I.L RES NETWORKS

AS ABOVE

AS ABOVE

AS ABOVE

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NOTES.

HOLE INDEX.

TOLERANCE.
All imperial dimensions ±0·010
All metric dimensions ±0·25mm
All angles ±0·50°
Unless otherwise stated.

THIRD ANGLE PROJECTION

MATL.

FINISH.

SCALE.

DRG. TRCD. MS CHKD.

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON. EC1V. OBX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC1
TELEX. UK No. 21198 USA No. 01-2202

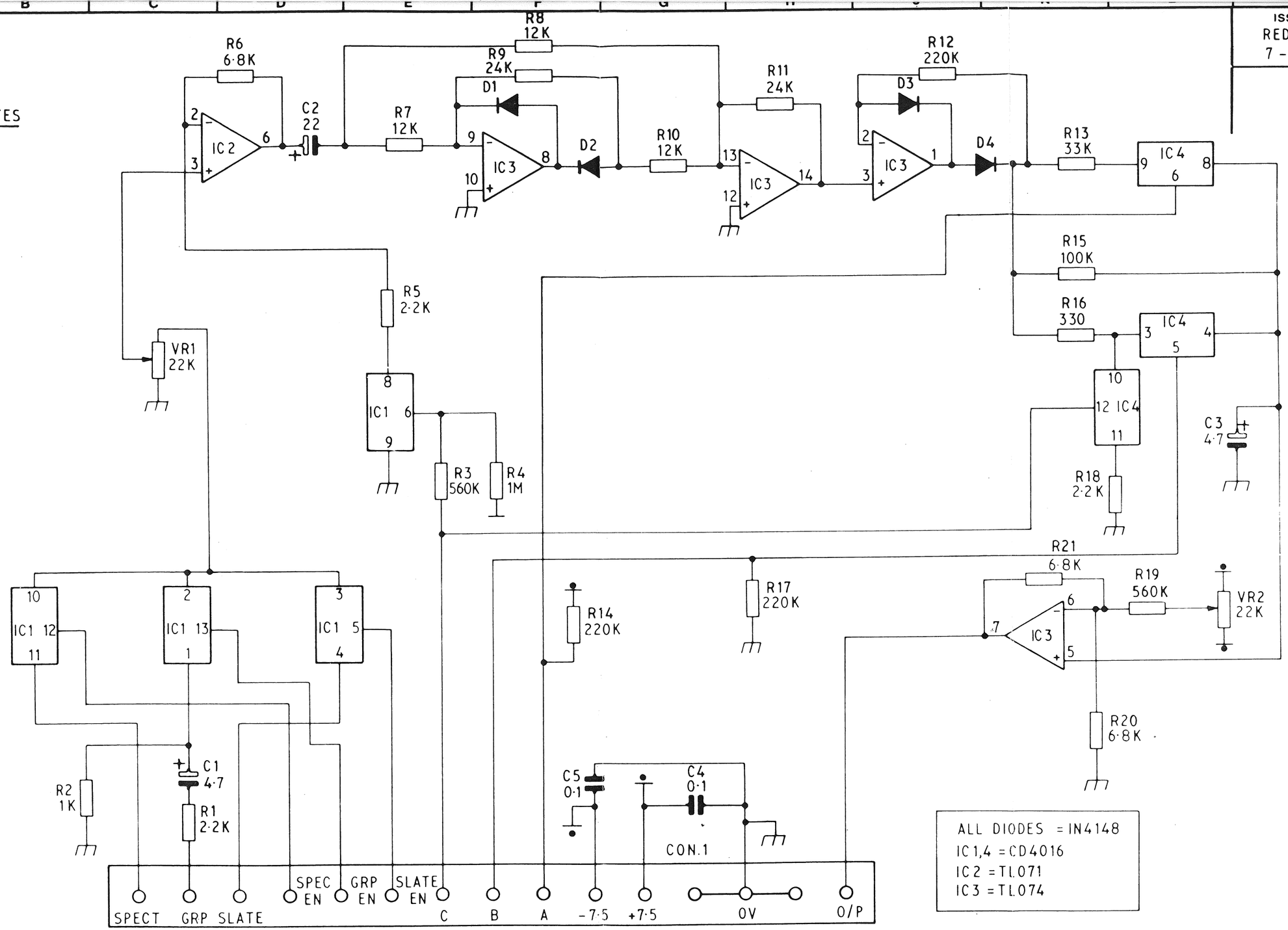
TITLE.
S2400 4CH/GP
EBOS/EBIP PCB (SC 1577)

DRG No. ED 2234

ISSUE 1
REDRAWN
7 - 10 - 81

OPERATIONAL STATES

VU = A.$\bar{B}$.C
SLOW = $\bar{A}$.$\bar{B}$.C
PEAK = B.$\bar{C}$



ALL DIODES = IN4148
IC1,4 = CD4016
IC2 = TL071
IC3 = TL074

	THIRD ANGLE PROJECTION	TOLERANCE	NOTES All resistors in ohms. All capacitors in microfarads. Unless otherwise stated.	MATL — FINISH — SCALE —	DRN Mark TRCD CHKD	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S 2400/TFA RECTIFIER P.C.B SC1223 Iss. 1 & 2 DRG. No. ED 2091

Issue 2	ISSUE 1
5 - 10 - 82	31 - 7 - 81

R1 330 — GRPS — S1 — C1 22n
SLATE — S2
SPECT — S3
R9 330 — VU — S4 — C2 22n
SLOW — S5
PEAK — S6
R17 330 — VU — S7 — C3 22
PEAK — S8

R2 330K
R5 330K
R7 330K
R10 330K
R13 330K
R15 330K
R18 330K
R19 330K

D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12

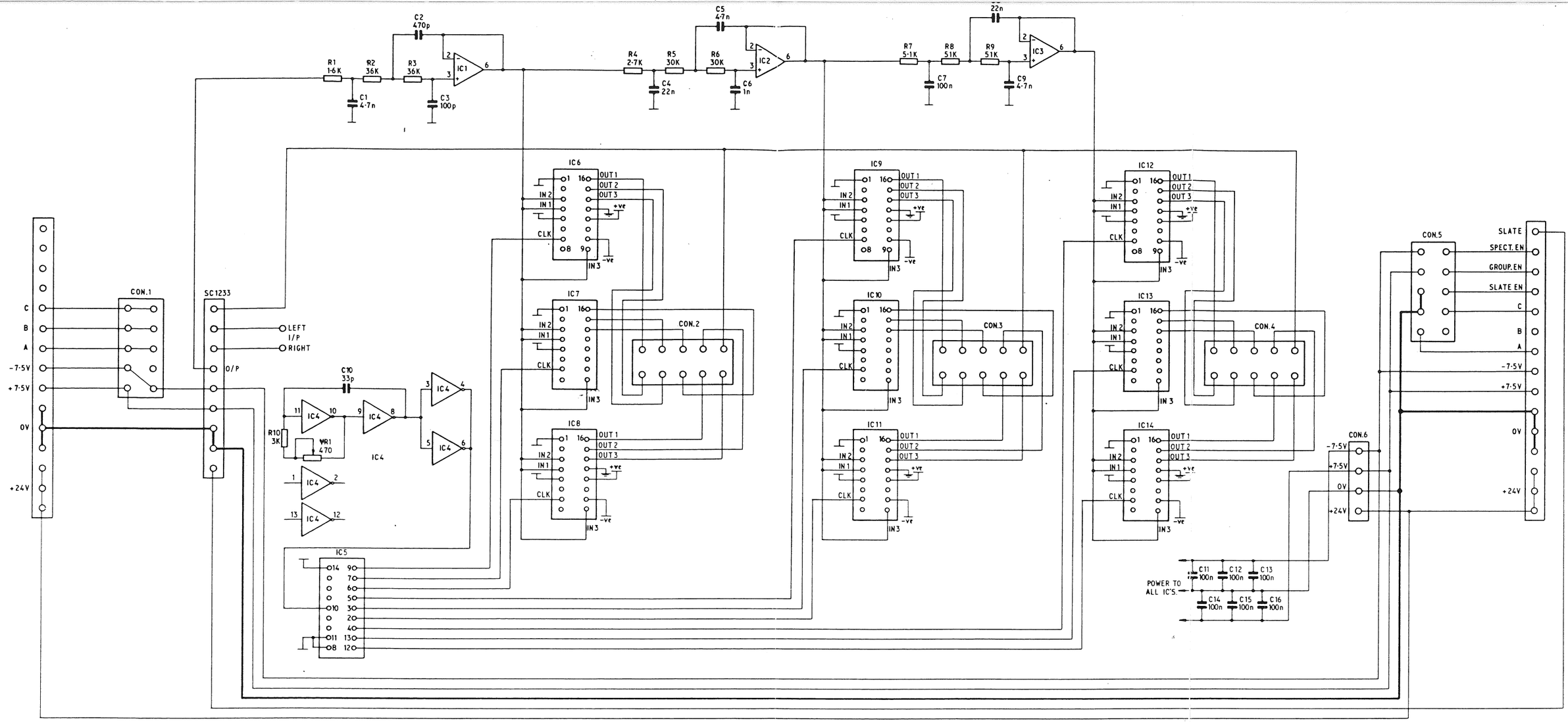
R3 68K — TR1 — LED1
R6 68K — TR2 — LED2
R8 68K — TR3 — LED3
R11 68K — TR4 — LED4
R14 68K — TR5 — LED5
R16 68K — TR6 — LED6
R20 68K — TR7 — LED7
R21 68K — TR8 — LED8

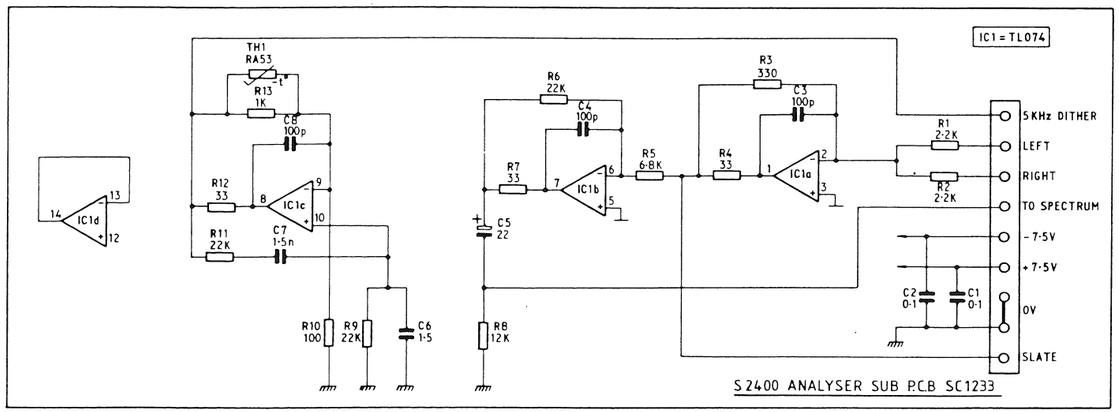
R4 1·6K
R12 680
R22 680
R25 100K
R24 3·3K
R23 3·3K

-VL
SPECT
+VL
GRP
GND
SLATE
GND
C
A
B
C
C
B
B

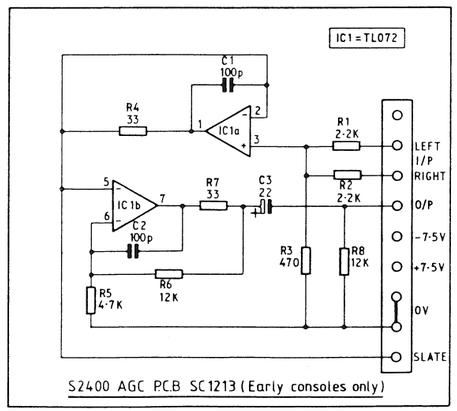
ALL DIODES IN4148
IC 1-3 = CD4069
TR1-8 = 2SC1681BL

THIRD ANGLE PROJECTION	TOLERANCE	NOTES All resitors in ohms. All capacitors in microfarads. Unless otherwise stated.	MATL — FINISH — SCALE —	DRN Mark TRCD CHKD	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK.No. 21198. USA.No. 224408	TITLE S 2400 METER CONTROL P.C.B SC 1214 ISS.1 DRG. No. ED 2092





S2400 ANALYSER SUB P.C.B SC1233



S2400 AGC P.C.B SC1213 (Early consoles only)

IC'S
IC1,2,3 = TL071
IC4 = 4069
IC5 = 4040
IC6-14 = RETICON R5604

Issue 2 3 - 3 - 82
1st 18 - 12 - 81

THIRD ANGLE PROJECTION

NOTES
Resistors in ohms.
Capacitors in microfarads, unless otherwise stated.

TOLERANCE
All imperial dimensions ±0·01
All metric dimensions ±0·25mm
All angles ±0·50°
Unless otherwise stated

HOLE INDEX

MATL —
FINISH —
SCALE —

DRN Mark
TRCD
CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V, OBX.
TELEPHONE. 01·251·3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

TITLE S2400 ANALYSER P.C.B CIRCUIT DIAGRAM (FOR SC1215)

DRG. No. ED 2096

ISSUE 1
20 - 11 - 81

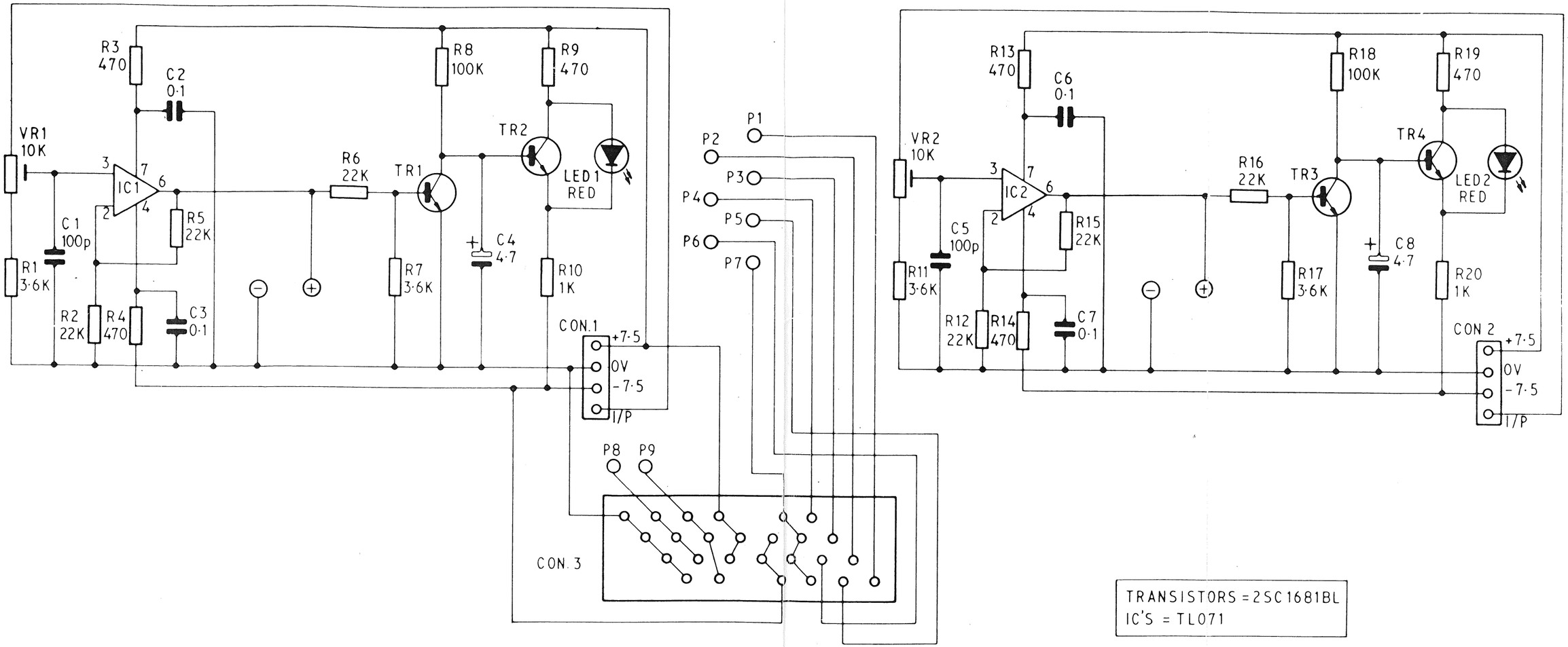
Issue 2
17 - 2 - 82

ALL DIODES = IN4148
IC1 = TL074 (QUAD OP AMP)
IC2 = 4070 (QUAD EXCL OR)
IC3-6 = LM3914

+7·5V
-7·5V
LEFT I/P
RIGHT I/P
0V
+VA
-VA
C1 10
C2 10
R1 2·2K
R2 2·2K
R3 4·7M
R4 4·7M
D1
D2
D3
D4
IC1
R5 6·8K
R6 6·8K
R7 100K
R8 100K
R9 2·2K
R10 2·2K
R11 2·2K
R12 2·2K
IC2
R13 22K
R14 820K
C3 22 25V
R15 47K
R20 1K
R19 680K
LEDIC 4
LEDIC 3
LEDIC 2
LEDIC 1
OBG
OBG
GBG
GBG
R22 22K
R17 22K
C4 100 25V
18
1
IC6
IC5
IC4
IC3
R23 2·2K
R21 2·2K
R18 1·6K
R16 1·6K
CW
VR1 22K

	THIRD ANGLE PROJECTION	TOLERANCE	NOTES All resistors in ohms. All capacitors in microfarads, unless otherwise stated.	MATL — FINISH — SCALE —	DRN Mark TRCD CHKD	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SCUNDCRAFT LDN EC1 TELEX. UK.No. 21198. USA.No. 224408	TITLE S 2400 PHASE METER SC1222 Iss.1 DRG. No. ED 2094

ISSUE 1
25 - 11 - 81



TRANSISTORS = 2SC1681BL
IC'S = TL071

THIRD ANGLE PROJECTION

TOLERANCE

NOTES
All resistors in ohms
All capacitors in microfarads, unless otherwise stated.

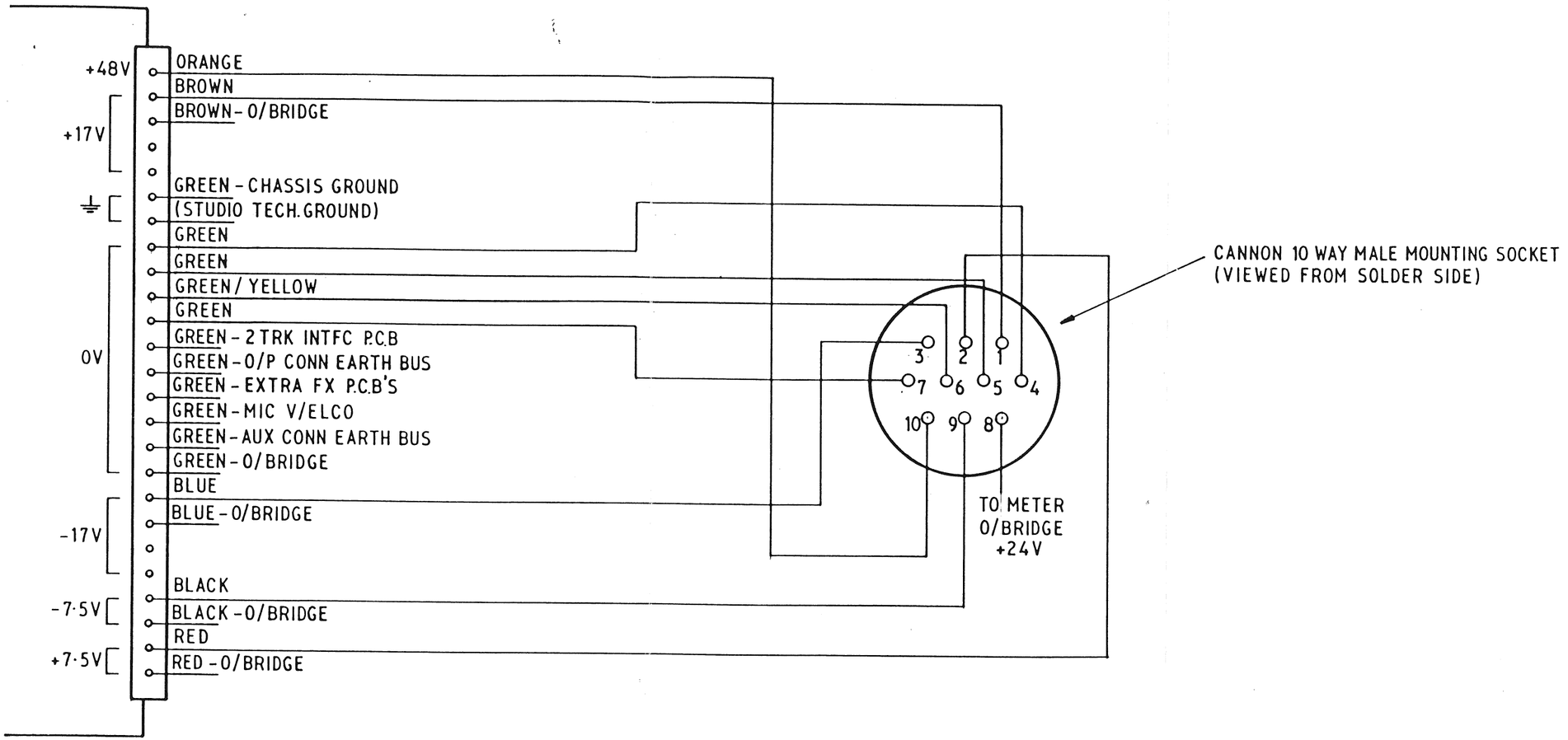
MATL —	DRN Mark	
FINISH —	TRCD	
SCALE —	CHKD	

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V. 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

TITLE S2400
DOUBLE VU METER
P.C.B
(FOR SC1219 Iss.1)

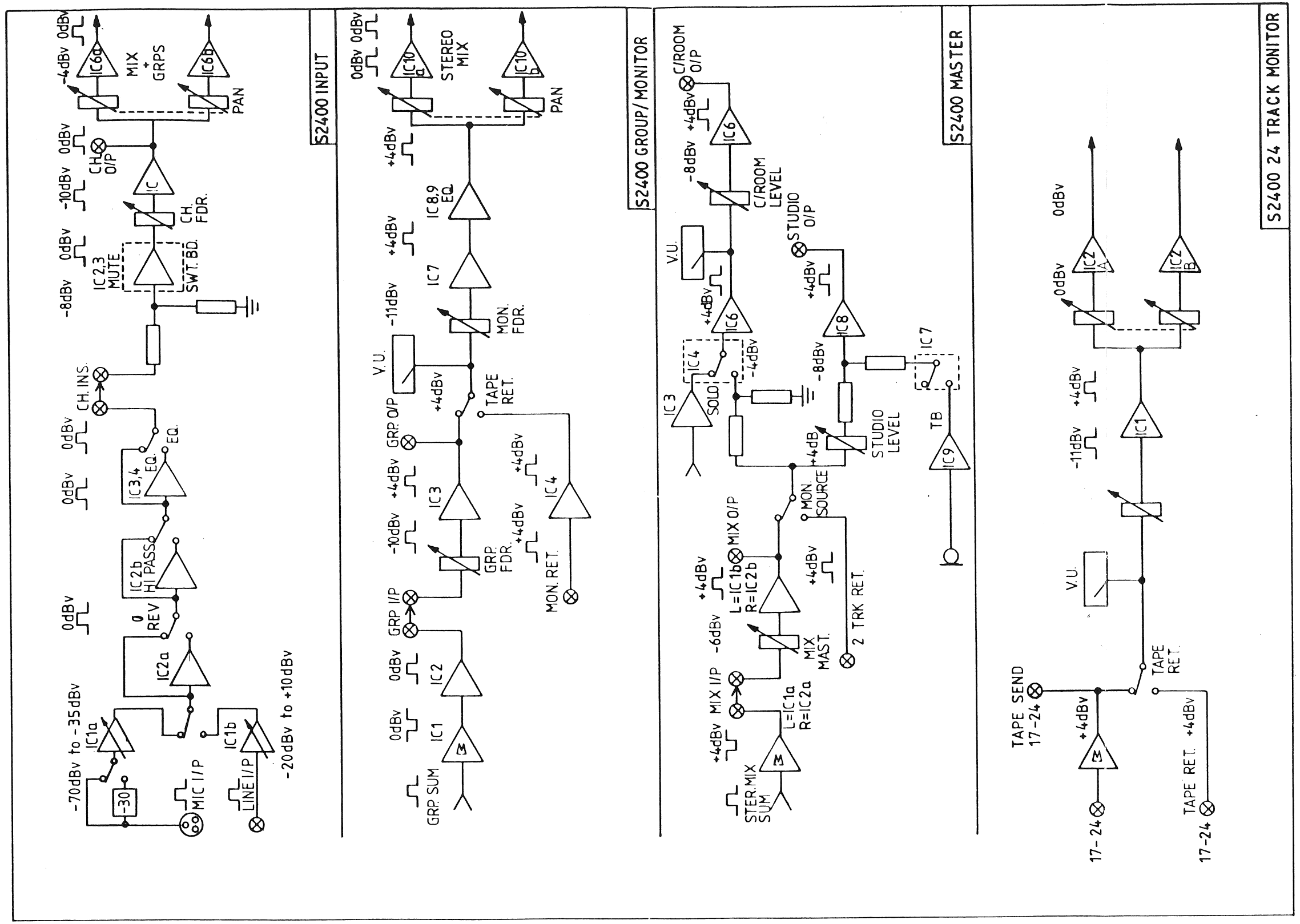
DRG. No. ED 2095

ISSUE 1
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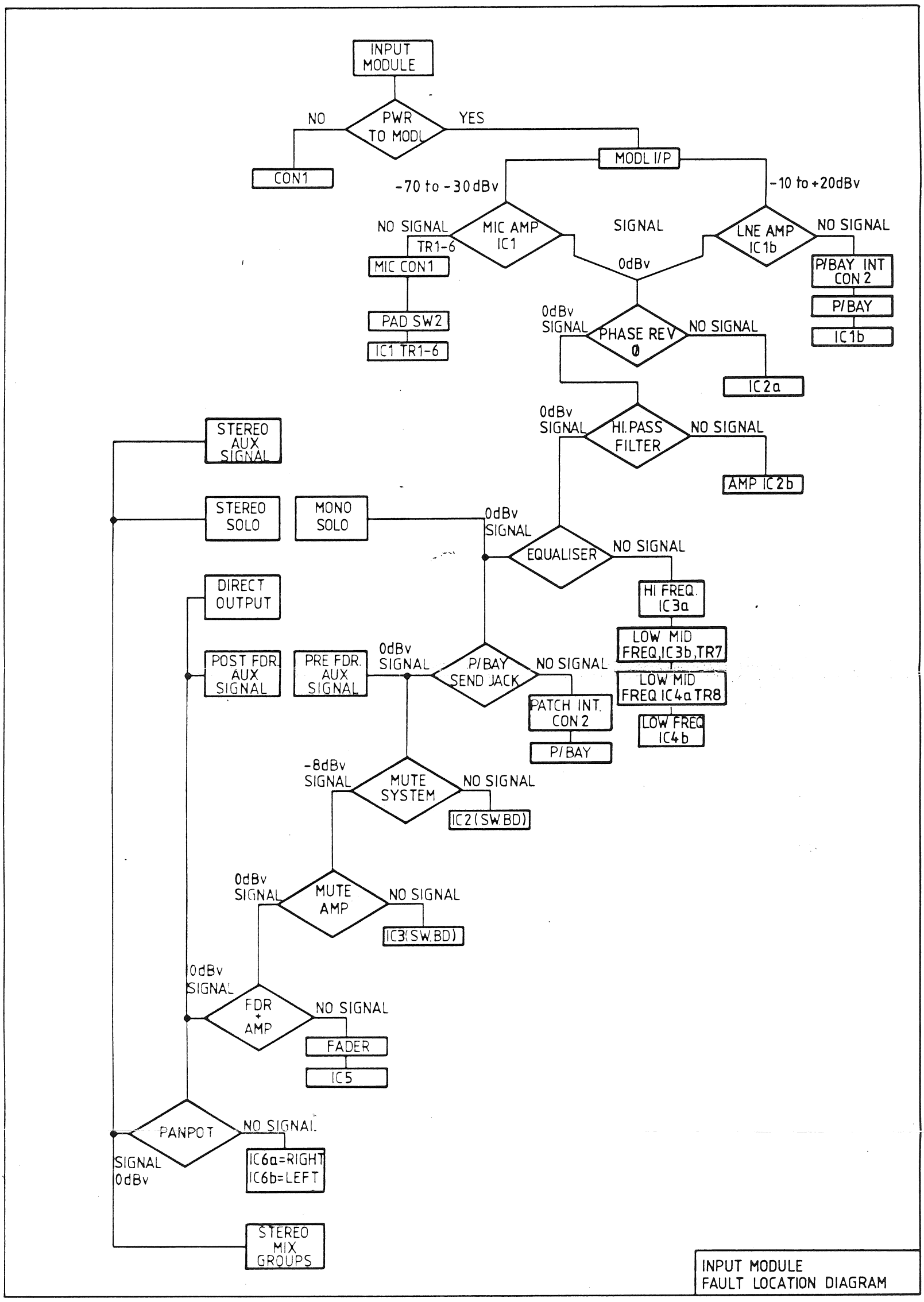


THIRD ANGLE PROJECTION	TOLERANCE	HOLE INDEX	MATL —	DRN Mark	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S 2400 P.S.U INTFC CONNECTIONS
			FINISH —	TRCD		
			SCALE —	CHKD		DRG. No. MI 2176

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	THIRD ANGLE PROJECTION	TOLERANCE	HOLE INDEX	MATL	DRN Mark	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S2400 GAIN STRUCTURE
				FINISH	THCD		
				SCALE	CHKD		DRG No MI 2202



INPUT MODULE
FAULT LOCATION DIAGRAM

THIRD ANGLE PROJECTION

TOLERANCE

HOLE INDEX

MATL

FINISH

SCALE

DRN Mark

TRCD

CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON ECIV. OBX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

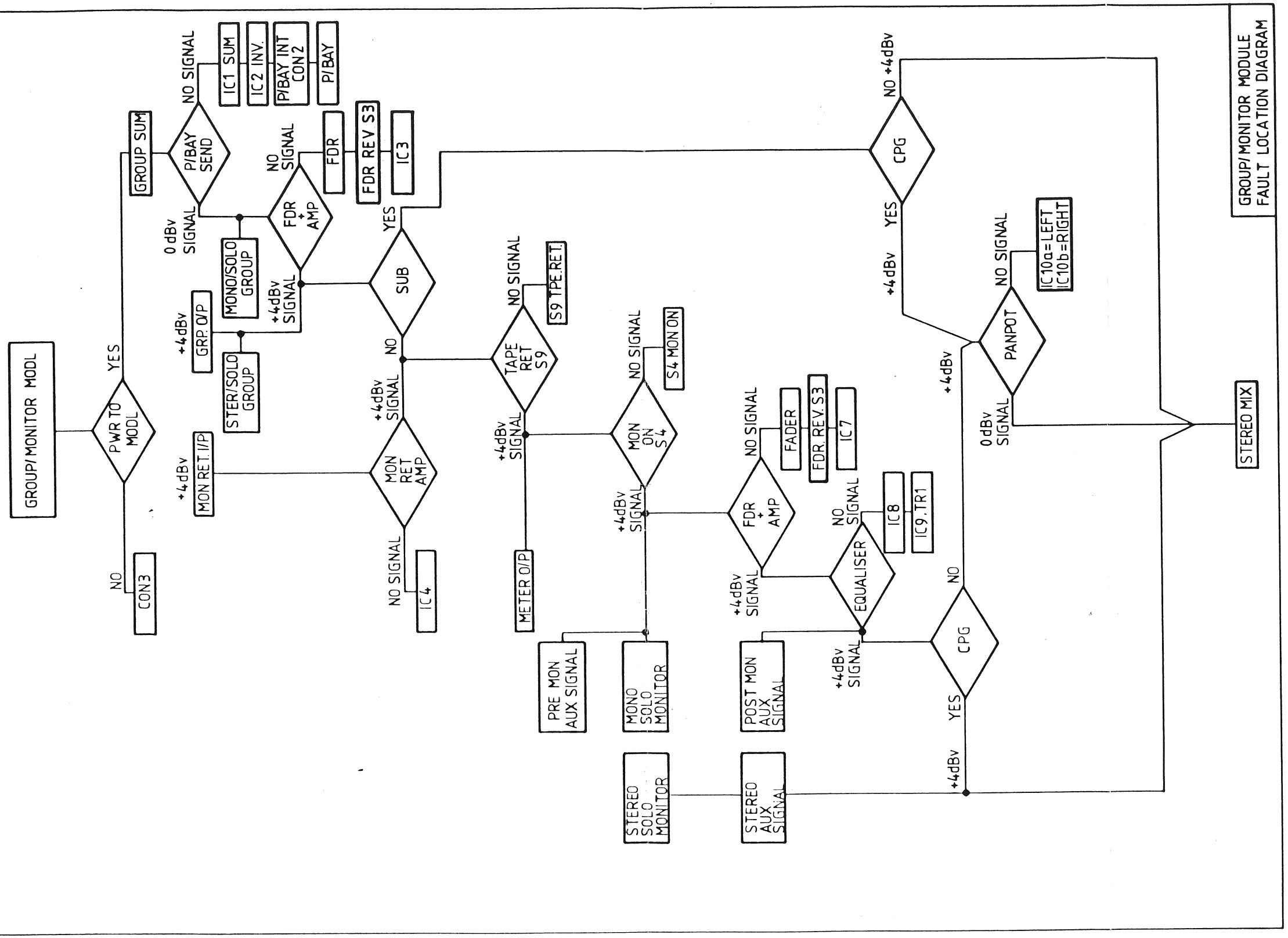
TITLE S2400
INPUT MODULE
FAULT LOCATION DIAGRAM

DRG. No. MI 2199

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24-12-81

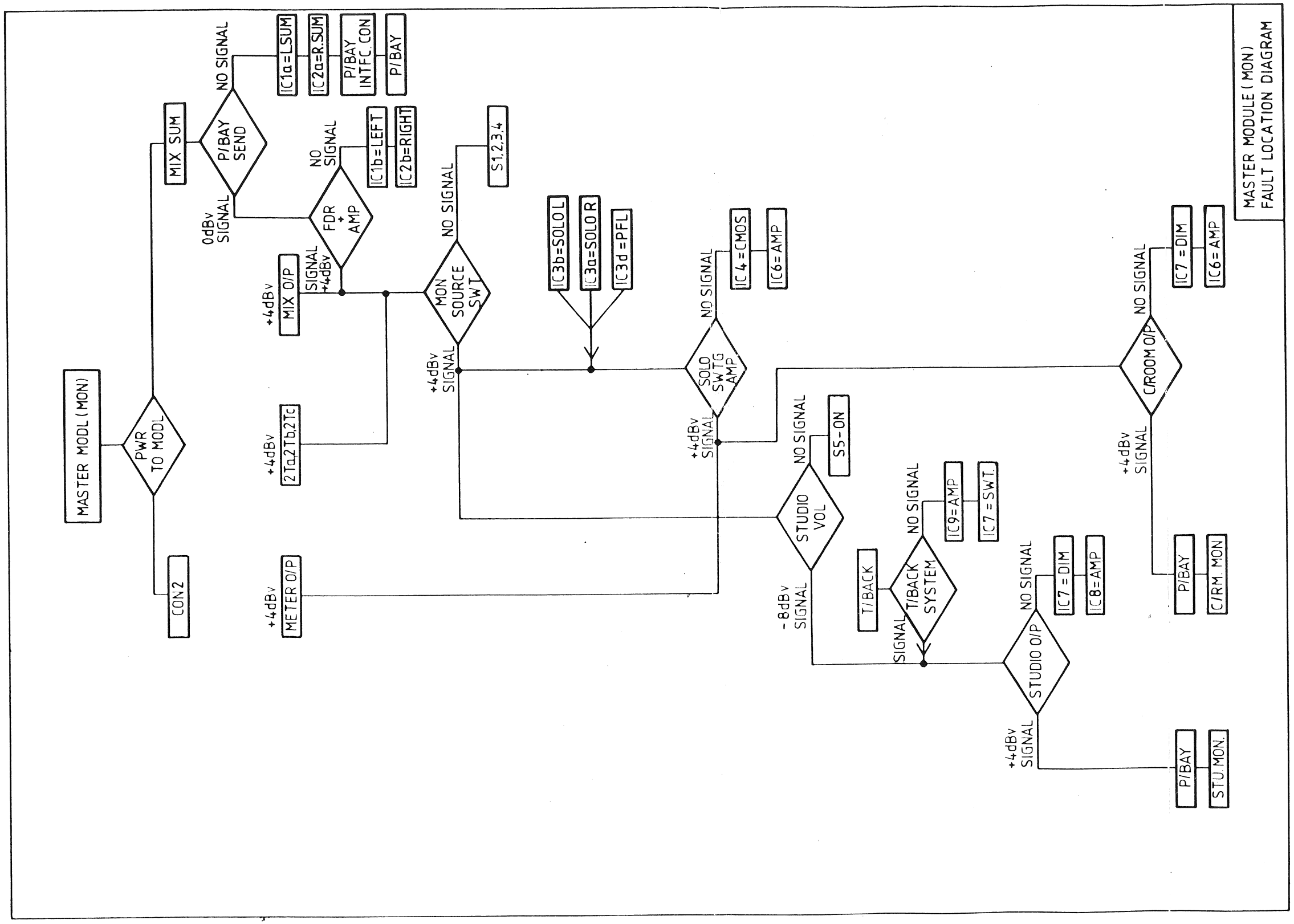
GROUP/MONITOR MODULE FAULT LOCATION DIAGRAM



	THIRD ANGLE PROJECTION	TOLERANCE	HOLE INDEX	MATL	DRN Mark	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198. USA. No. 224408	TITLE S2400 GROUP/MON MODL FAULT LOCATION DIAGRAM
				FINISH	TRCD		
				SCALE	CHKD		DRG. No. MI 2201

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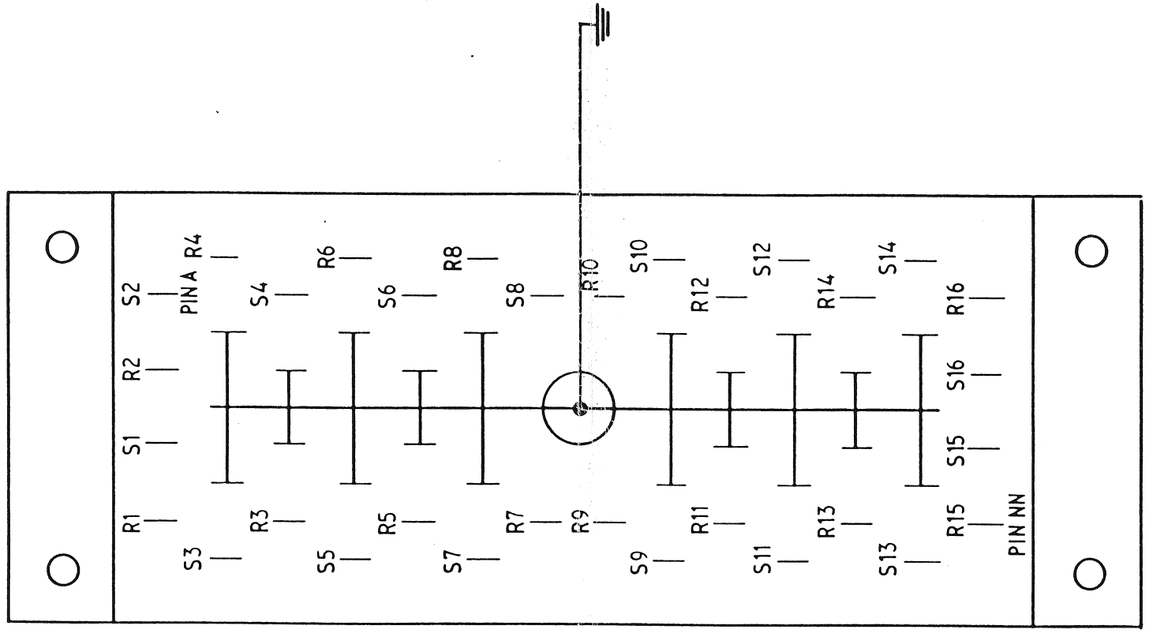
MASTER MODULE (MON)
FAULT LOCATION DIAGRAM



THIRD ANGLE PROJECTION	TOLERANCE	HOLE INDEX	MATL	DRN Mark	SOUNDCRAFT ELECTRONICS LTD 5-8 GREAT SUTTON STREET LONDON EC1V. OBX. TELEPHONE. 01-251-3631/2/3 TELEGRAMS. SOUNDCRAFT LDN EC1 TELEX. UK. No. 21198 USA. No. 224408	TITLE S2400 MASTER MODL (MON) FAULT LOCATION DIAGRAM
			FINISH	TRCD		
			SCALE	CHKD		DRG. No. MI2200

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S1600/S2400 EFFECTS MULTICORE
VIEWED FROM SOLDER PINS OF FREE CONNECTOR



SIMILAR FOR 17 - 32

THIRD ANGLE PROJECTION

TOLERANCE

All imperial dimensions ± 0·01
All metric dimensions ± 0·25mm
All angles ± 0·50°
Unless otherwise stated

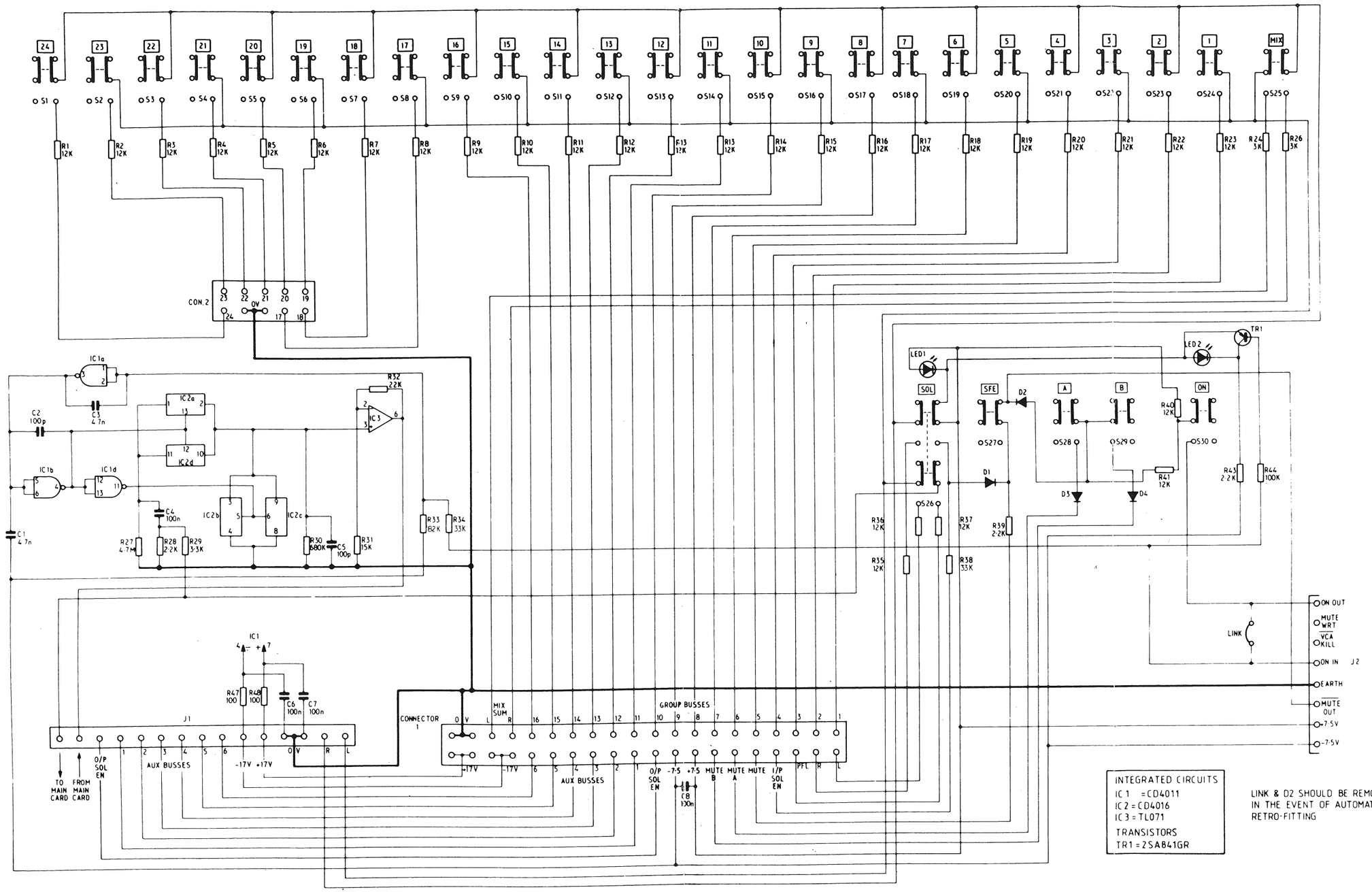
HOLE INDEX

MATL.	—	DRN	Mark
FINISH	—	TRCD	
SCALE	—	CHKD	

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON EC1V. OBX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK No 21198, USA No 224408

TITLE S2400/S1600
EFFECTS MULTICORE

DRG. No. MI 2174



INTEGRATED CIRCUITS
IC 1 = CD4011
IC 2 = CD4016
IC 3 = TL071
TRANSISTORS
TR1 = 2SA841GR

LINK & D2 SHOULD BE REMOVED IN THE EVENT OF AUTOMATION RETRO-FITTING

Issue 1 19 - 5 - 81
ISSUE 2 19 - 8 - 81
ISSUE 3
R3 was 150 K
R4 was 100 K
R8 was 100 K
7 - 9 - 84

THIRD ANGLE PROJECTION

NOTES
All capacitors in micro farads, resistors in ohms unless stated otherwise.
FOR PART No. RB 0102

TOLERANCE
All imperial dimensions ± 0·01
All metric dimensions ± 0·25mm.
All angles ± 0·50°
Unless otherwise stated

HOLE INDEX

MATL ——
FINISH ——
SCALE ——

DFN Barry
TRCD
CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V. OBX.
TELEPHONE. 01·251·3631/2/3
TELEGRAMS SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

TITLE S 2400
INPUT SWITCH PCB
CIRCUIT DIAGRAM
(PCB No.SC1192)

DRG. No. ED 2086

NOTE R141-0 REPLACES R14, R15, R2. THIS CAN ONLY APPLY TO ISSUE 4 PCB'S OR THOSE USING BD135 IN TR2 POSITION.

R21, R28
SUGGEST CHANGE ON LATER MODELS TO 68K

TR21,22 NOT FITTED BEFORE ISS 4 PCB
MAINS GROUND CONNECTED TO CONSOLE BEFORE ISSUE 4 PCB

NB Mains ground may be brought up to console by placing a link across R5

IEC MAINS SOCKET

F1 110-120V 220-240V

TR7226

CON1

CON2

CON3

VIEWED FROM SOLDER PINS OF CONNECTOR

TRANSISTORS
TR1,6,10,11,14,16,17 & 23 = 2SA970GR

TR3,4,8,9,12,13,15&18 = 2SC2240BL
TR2,5 = BD135
TR7 = BD136
TR19, 21 = TIP2955
TR20, 22 = TIP3055

REGULATORS
REG 1 = LM338K REG 3 = LM317T
REG 4 = LM337T

RECTIFIERS
REC 1 = RS262-315
REC 2 & 4 = KBL02
REC 3 = KBP02

DIODES
ALL DIODES = IN4148

PSU CABLE CONNECTIONS

PIN	VOLTAGE	COLOUR
1	+18V	BROWN
2	+7.5V	PINK
3	-18V	BLUE
4	0V	GREEN/YELLOW
5	0V	YELLOW
6	0V (FOR 48V)	GREEN
7	0V (FOR 24V)	WHITE
8	+24V	VIOLET
9	-7.5V	BLACK
10	+48V	ORANGE

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Issue 3	3 - 3 - 82	
Issue 4	9 - 7 - 82	
Issue 5	16 - 11 - 83	
Issue 6	10 - 9 - 84	

THIRD ANGLE PROJECTION

NOTES
All resistors in ohms
All capacitors in microfarads, unless otherwise stated.
R33, 34, 35, 36 all 2.5W wirewound
FOR PART No GD0336

TOLERANCE
All imperial dimensions ±0·01
All metric dimensions ±0·25mm
All angles ±0·50°
Unless otherwise stated

HOLE INDEX

MATL —
FINISH —
SCALE —

DRN MARK
T&CD
CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V. OBX.
TELEPHONE. 01·251·3631/2/3
TELEGRAMS SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

TITLE S2400
POWER SUPPLY
CURCUIT DIAGRAM
(SC1218 Iss 4)

DRG. No. ED 2093