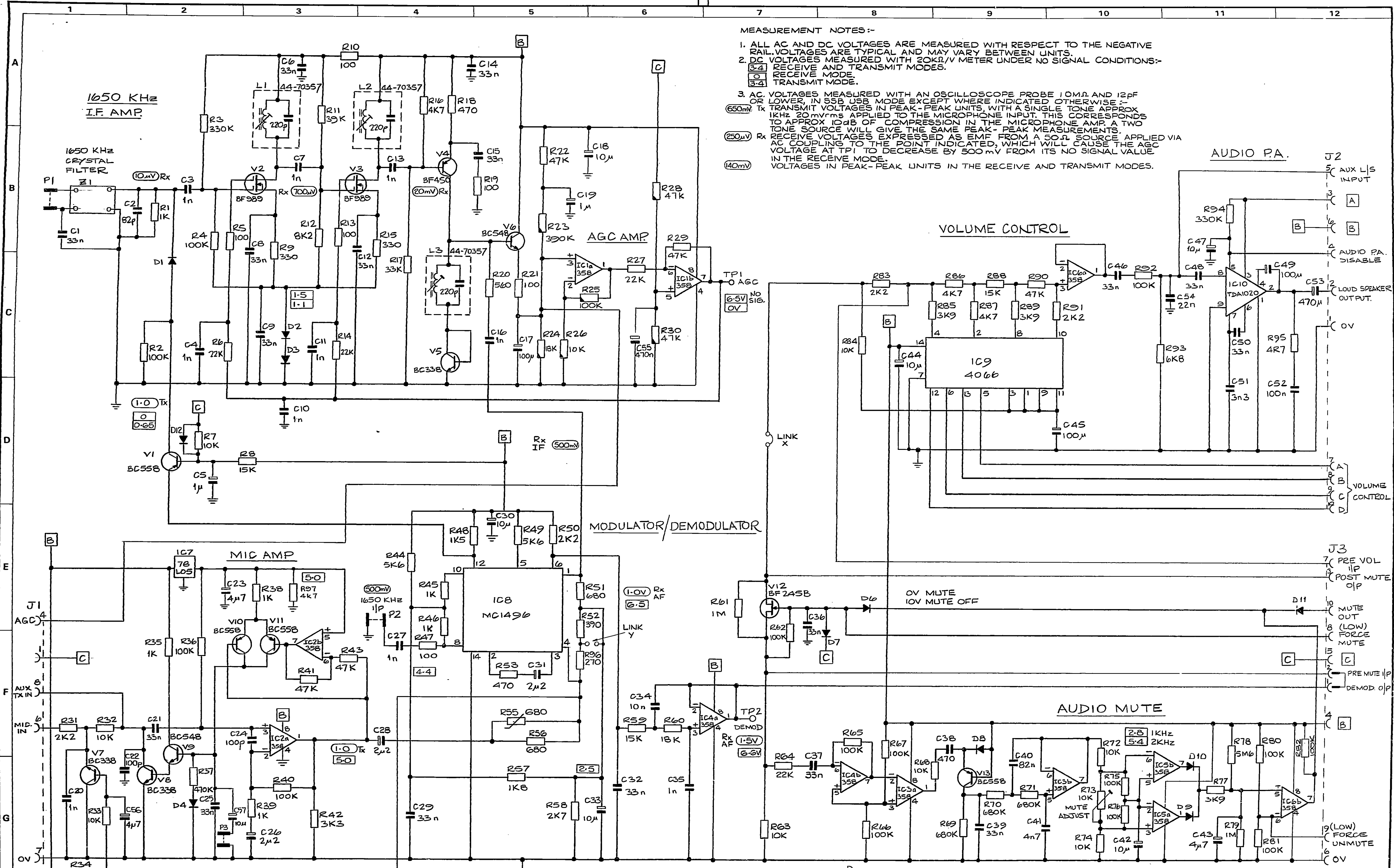


CODAN	SCALE	DATE	TITLE	COPYRIGHT
	DRN: Y-C	26-5-94	0313/0400	CODAN 18
MATERIAL	CHKD: [Signature]	21-5-94	BLOCK DIAGRAM	
FINISH	APPD: [Signature]	1-6-94	DRAWING/DOC NO.	
	TOLERANCES		A1	
	UNLESS OTHERWISE STATED		03-00305	
	2 PLACES DEC ±		ISS	
	1 PLACE DEC ±		1	
	ANGULAR ±			



MEASUREMENT NOTES:-

- ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS.
- DC VOLTAGES MEASURED WITH 20KΩ/V METER UNDER NO SIGNAL CONDITIONS:-
 - 3-4 RECEIVE AND TRANSMIT MODES.
 - 3-4 RECEIVE MODE.
 - 3-4 TRANSMIT MODE.
- AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10MΩ AND 12PF OR LOWER, IN SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE:-
 - 650mV Tx TRANSMIT VOLTAGES IN PEAK-PEAK UNITS, WITH A SINGLE TONE APPROX 1KHz 20mVrms APPLIED TO THE MICROPHONE INPUT. THIS CORRESPONDS TO APPROX 10dB OF COMPRESSION IN THE MICROPHONE AMP. A TWO TONE SOURCE WILL GIVE THE SAME PEAK-PEAK MEASUREMENTS.
 - 250μV Rx RECEIVE VOLTAGES EXPRESSED AS EMF FROM A 50Ω SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AGC VOLTAGE AT TP1 TO DECREASE BY 500mV FROM ITS NO SIGNAL VALUE IN THE RECEIVE MODE.
 - 140mV VOLTAGES IN PEAK-PEAK UNITS IN THE RECEIVE AND TRANSMIT MODES.

ISSUE 9
D3 DELETED
C55 WAS 1K
CIR 2344E
26-4-80

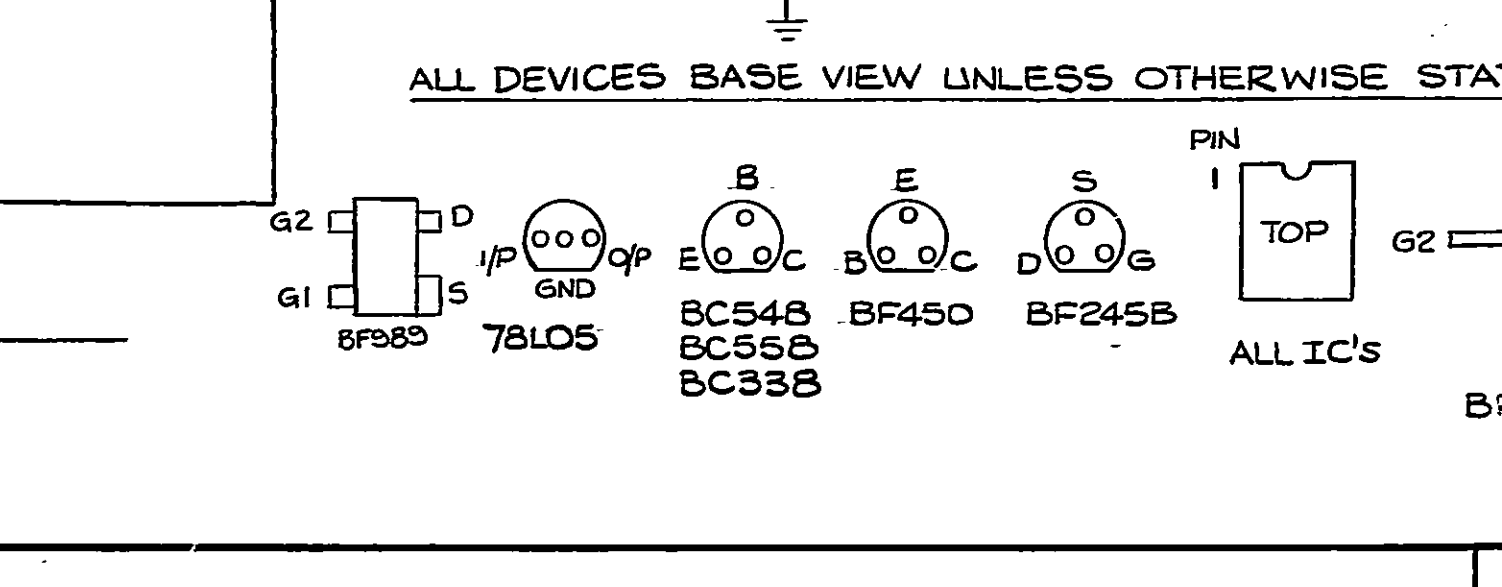
ISSUE 7
C54 WAS 100P
C57 ADDED
CIR 2349E
16-8-80

ISSUE 8
C55 WAS 100N
R22 & R30
WERE 82K
CIR 2348E
29-9-80

ISSUE 10
R24 ADDED
CIR 2365E
29-9-80

ISSUE 11
R24 ADDED
CIR 2367E
2-9-85

ISSUE 12
V2 & V3 WERE
39K85
17-5-86

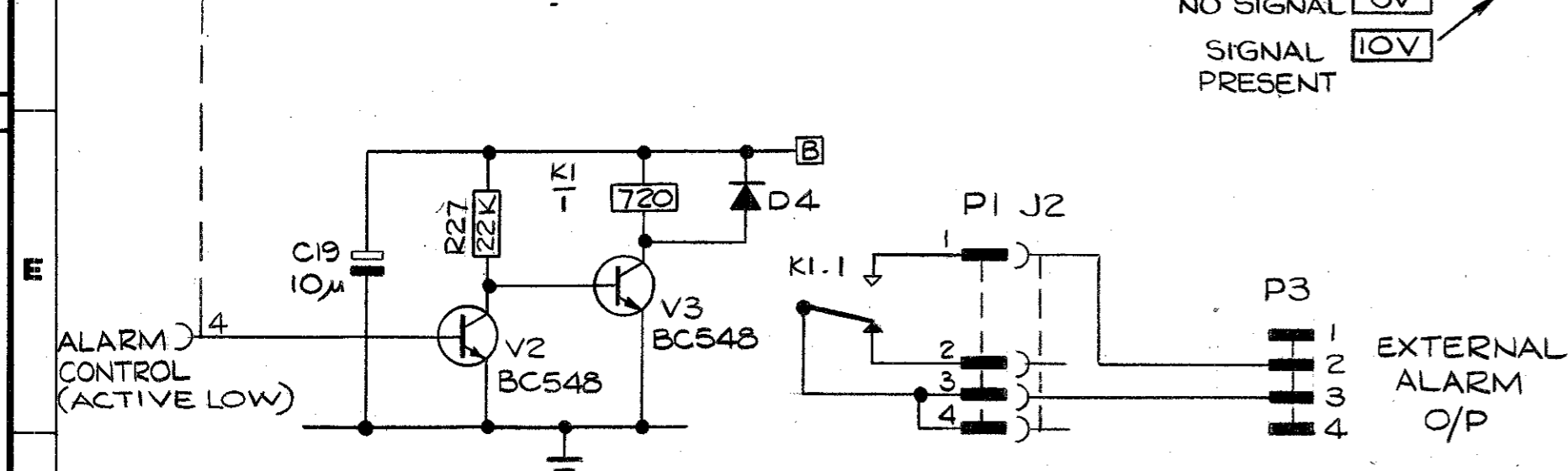
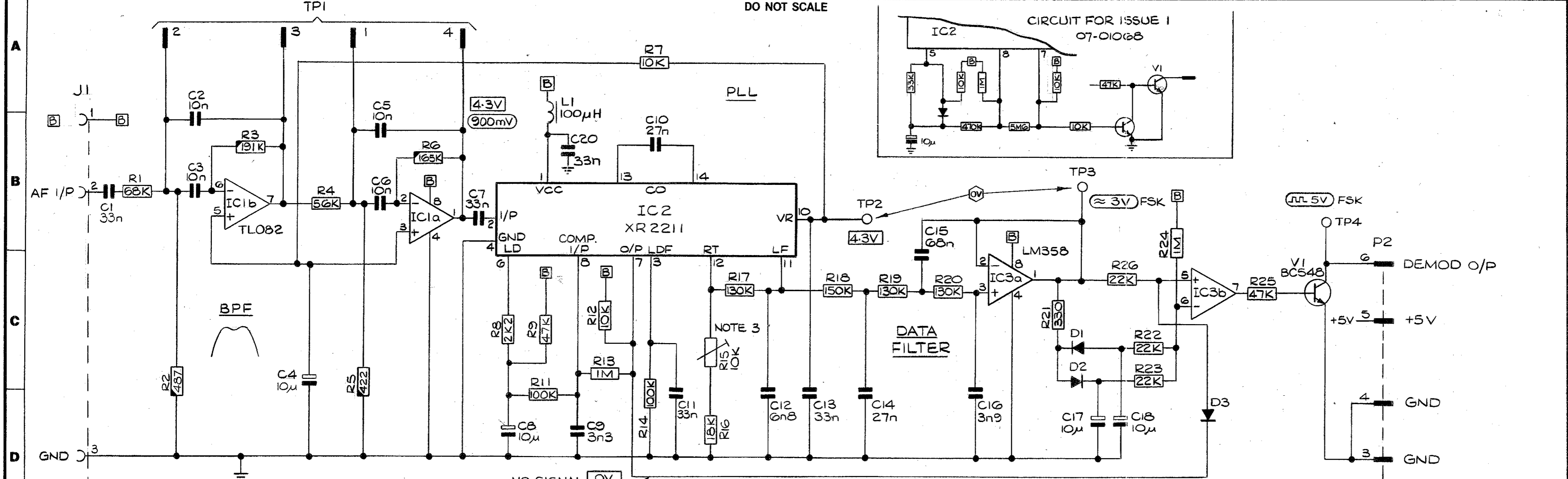


ASSY 08-03025
PCB 07-00385

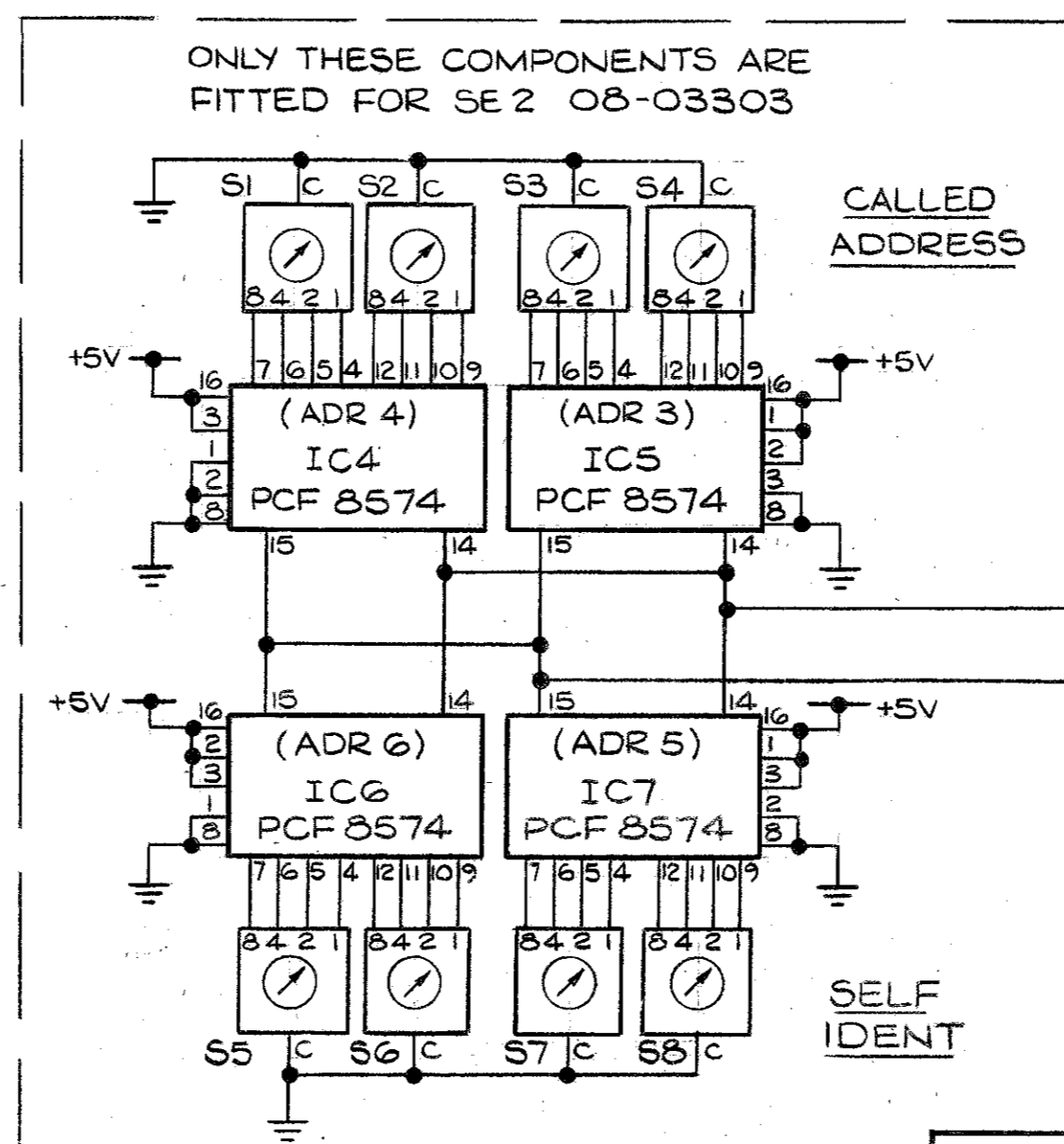
B. 20970	ISSUE 2
C. 21023	V7 WAS BC548
D. 21053	C56 ADDED
E. 21096	CIR 2327
	CIR 2127
	B-4-87
	ISSUE 9
	R24 WAS 1K
	R22 & R30
	WERE 82K
	17-5-86
	ISSUE 4
	R24 WAS 47K
	CIR 2162
	CIR 2162
	C22-D-1081
	ISSUE 5
	V2 & V3 WERE
	39K85
	17-5-86

NOTES
1. ALL DIODES BAW62 OR EQUIVALENT
2. RESISTORS SHOWN ARE 2%

CODAN	SCALE	17-4-86	TITLE	AUDIO & IF
	DRN. DO	21-4-86	DATE	1650 KHz
MATERIAL	CHKD. <i>[Signature]</i>	30-10-86	APPD. <i>[Signature]</i>	DRAWING/DOC NO.
FINISH	TOLERANCES UNLESS OTHERWISE STATED			A1 .04-02093
2 P. ACES DEC ± 1 PLACE DEC ± ANGULAR ±				ISS. 10/12



- NOTES:
1. ALL DIODES ARE BAW62 OR EQUIVALENT.
 2. RESISTORS SHOWN \square ARE 1%
 3. Δ DIFFERENTIAL DC VOLTAGE WITH I/P OF 1775Hz AT IVPP AND ADJUST R15 FOR 0V
 4. Δ PP AC VOLTAGE MEASURED WITH I/P OF 1775 Hz AT IVPP.
 5. Δ FSK PPAC VOLTAGE MEASURED WITH FSK I/P AT IVPP
 6. Δ DC VOLTAGE MEASURED WITH NO SIGNAL I/P

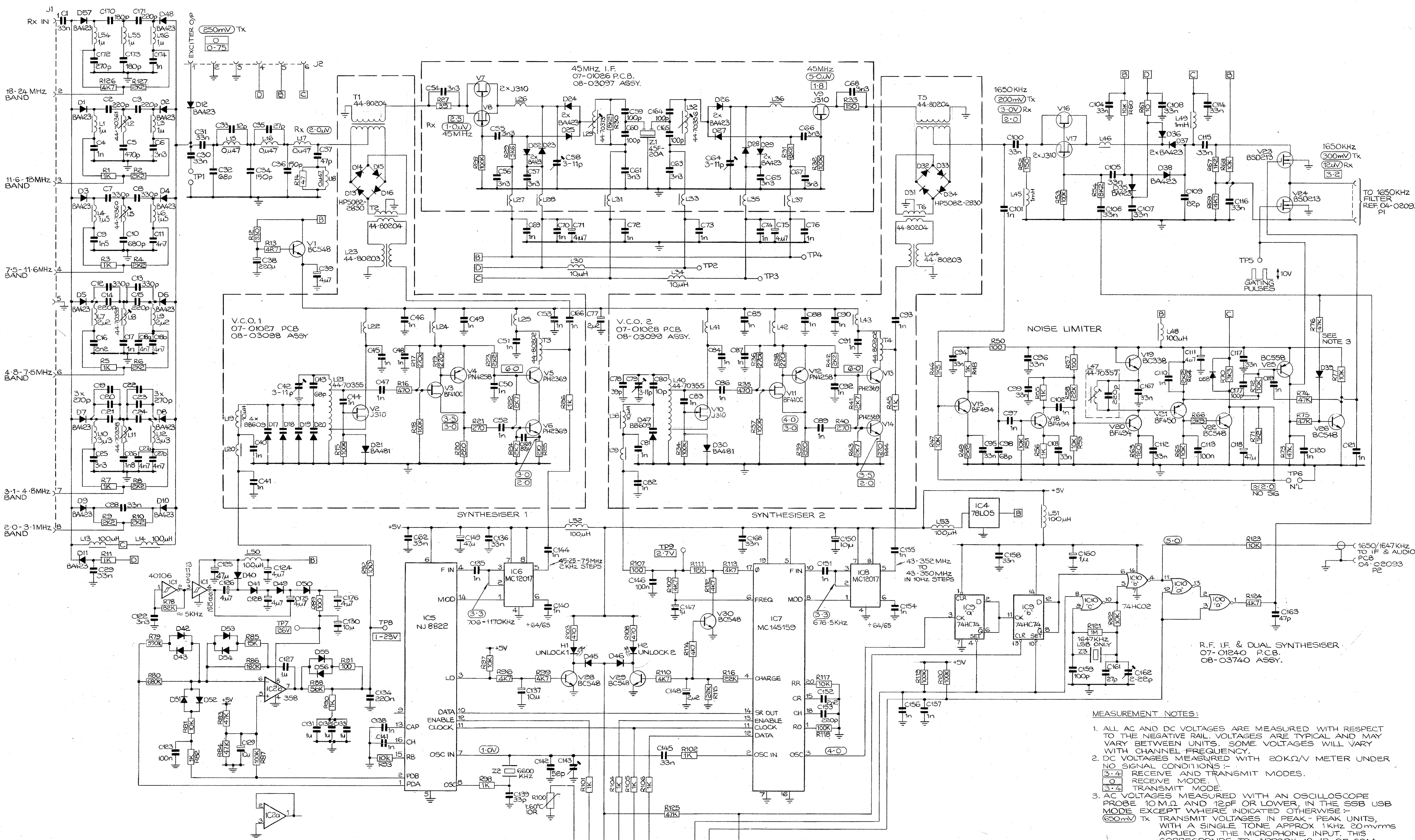


ASSY. 08-03300
PCB. 07-01068

CODAN		SCALE	TITLE	
DRN. APJ	DATE	3-11-86		
CHKD. <i>Mayo</i>	DATE	12-11-86		
APPD. <i>Mayo</i>	DATE	10-2-87		
FINISH		TOLERANCES	DRAWING/DOC NO.	
		UNLESS OTHERWISE STATED	A2 04-02250	
		2 PLACES DEC \pm	ISS	
		1 PLACE DEC \pm	1 2 3 4 5	
		ANGULAR \pm	SHT	
			OF	

B.C.I.R. 21202
ISSUE 1
C/R. 21226
10-2-87
ISSUE 2
L1 & C20
ADDED
C/R. 21339
3/2/87
ISSUE 3
C/R. 21367
22-3-88
ISSUE 4
NOTE ADDED
C/R. 22128
12-9-89
ISSUE 5
C/R. 22812
R1 WAS 50K
R3 WAS 100K
15-4-91

04-02250



ALL DEVICES VIEWED FROM BASE, UNLESS SHOWN OTHERWISE

J310	BC548	PN4258	BF450	BSD213	ALL IC'S	BAW62	BAW69	BA423	BA425
J310	BC548	PN4258	BF450	BSD213	ALL IC'S	BAW62	BAW69	BA423	BA425

- NOTES
1. ALL DIODES ARE BAW62 OR EQUIVALENT UNLESS OTHERWISE STATED.
 2. ALL UNMARKED INDUCTORS ARE FERRITE BEADS.
 3. DELETE R76 FOR 85285
 4. COMPONENTS NOT PRESENT :-
R94
R95

MEASUREMENT NOTES:

1. ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS. SOME VOLTAGES WILL VARY WITH CHANNEL FREQUENCY.
2. DC VOLTAGES MEASURED WITH 20KΩ/V METER UNDER NO SIGNAL CONDITIONS :-
[3.4] RECEIVE AND TRANSMIT MODES.
[1.0] RECEIVE MODE.
[3.4] TRANSMIT MODE.
3. AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10 MΩ AND 12pF OR LOWER, IN THE SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE :-
[200mV] TX TRANSMIT VOLTAGES IN PEAK-PEAK UNITS, WITH A SINGLE TONE APPROX 1kHz 20mVrms APPLIED TO THE MICROPHONE INPUT. THIS CORRESPONDS TO APPROX 10dB OF COMPRESSION IN THE MICROPHONE AMP. TWO TONE SOURCE WILL GIVE THE SAME PEAK-PEAK MEASUREMENTS.
[250mV] RX RECEIVE VOLTAGES EXPRESSED AS EMF FROM A 50Ω SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AVG VOLTAGE AT TPI ON THE AUDIO & 1650 IF. P.C.B. TO DECREASE BY 500mV FROM ITS NO SIGNAL VALUE IN THE RECEIVE MODE.
[140mV] VOLTAGES IN PEAK-PEAK UNITS IN THE RECEIVE AND TRANSMIT MODES.

ISSUE B
R79 WAS 100K
C17 WAS 22p
C32 WAS 56p
C34 WAS 100p
C36 WAS 100p
C12 WAS 47n
C18 220K
C19 220K
C7-B7 777

ISSUE C
L17 WAS C0.22
C32 WAS 56p
C34 WAS 100p
C36 WAS 100p
C12 WAS 47n
C18 220K
C19 220K
C7-B7 777

ISSUE D
C160 WAS 33n
C18 220K
C19 220K
C7-B7 777

ISSUE E
R37 WAS D47
D50 WAS 33n
C42 WAS 56p
C18 220K
C19 220K
C7-B7 777

ISSUE F
C18 220K
C19 220K
C7-B7 777

ISSUE G
R27 WAS 150
C18 220K
C19 220K
C7-B7 777

ISSUE H
C18 220K
C19 220K
C7-B7 777

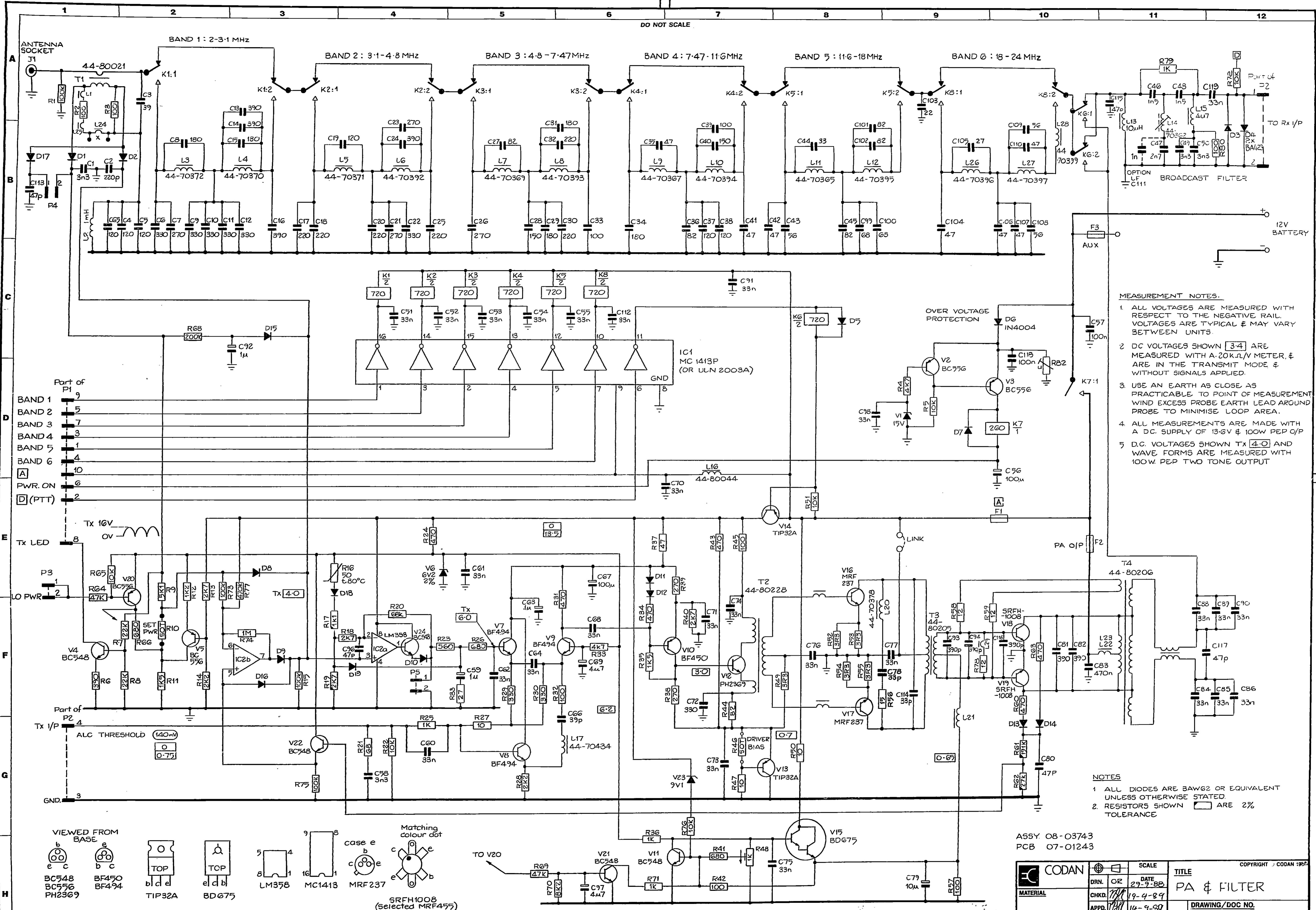
ISSUE I
C18 220K
C19 220K
C7-B7 777

ISSUE J
C18 220K
C19 220K
C7-B7 777

CODAN	SCALE	DATE	TITLE	COPYRIGHT © CODAN 1985
	DRN. CF	19-9-89	RF MIXER & DUAL SYNTHESISER	
MATERIAL	CHKD	19-9-89	DRAWING/DOC NO.	04-02450
FINISH	APPD	19-9-89	B	
UNLESS OTHERWISE STATED			ISS	1 2 3 4 5 6 7
2 PLACES DEC ± 1 PLACE DEC ± ANGULAR ±			SHT	1 of 1

04-02450

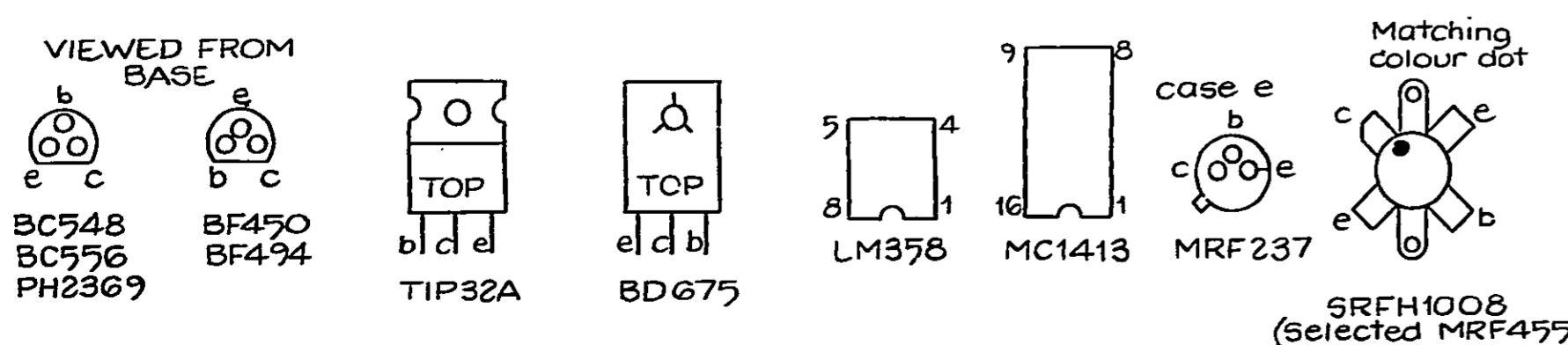
DO NOT SCALE



- MEASUREMENT NOTES.**
1. ALL VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL & MAY VARY BETWEEN UNITS.
 2. DC VOLTAGES SHOWN [3.4] ARE MEASURED WITH A 20K Ω /V METER, & ARE IN THE TRANSMIT MODE & WITHOUT SIGNALS APPLIED.
 3. USE AN EARTH AS CLOSE AS PRACTICABLE TO POINT OF MEASUREMENT WIND EXCESS PROBE EARTH LEAD AROUND PROBE TO MINIMISE LOOP AREA.
 4. ALL MEASUREMENTS ARE MADE WITH A DC SUPPLY OF 13.6V & 100W PEP C/P
 5. D.C. VOLTAGES SHOWN TX [4.0] AND WAVE FORMS ARE MEASURED WITH 100W PEP TWO TONE OUTPUT

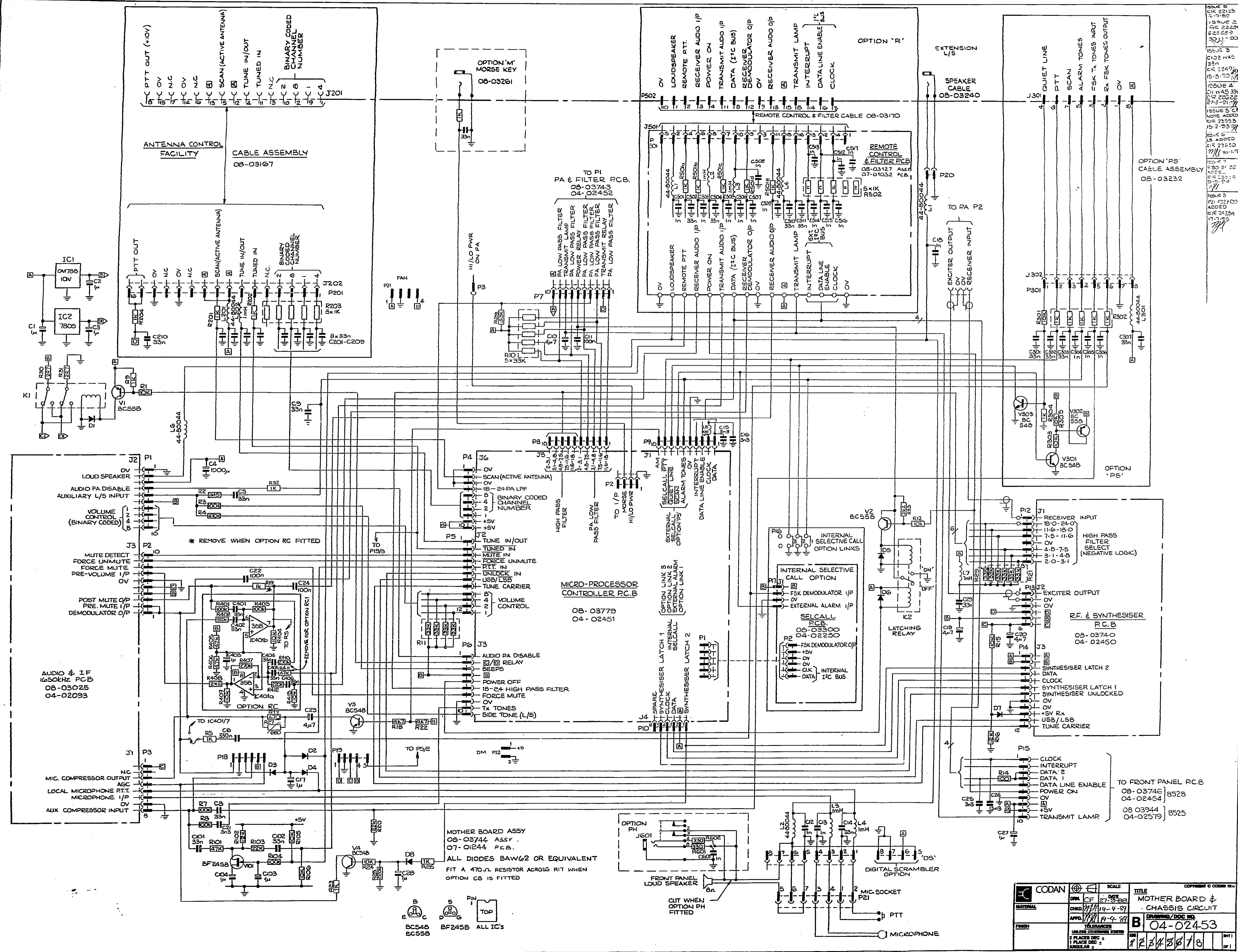
- NOTES**
1. ALL DIODES ARE 1N4148 OR EQUIVALENT UNLESS OTHERWISE STATED.
 2. RESISTORS SHOWN [] ARE 2% TOLERANCE

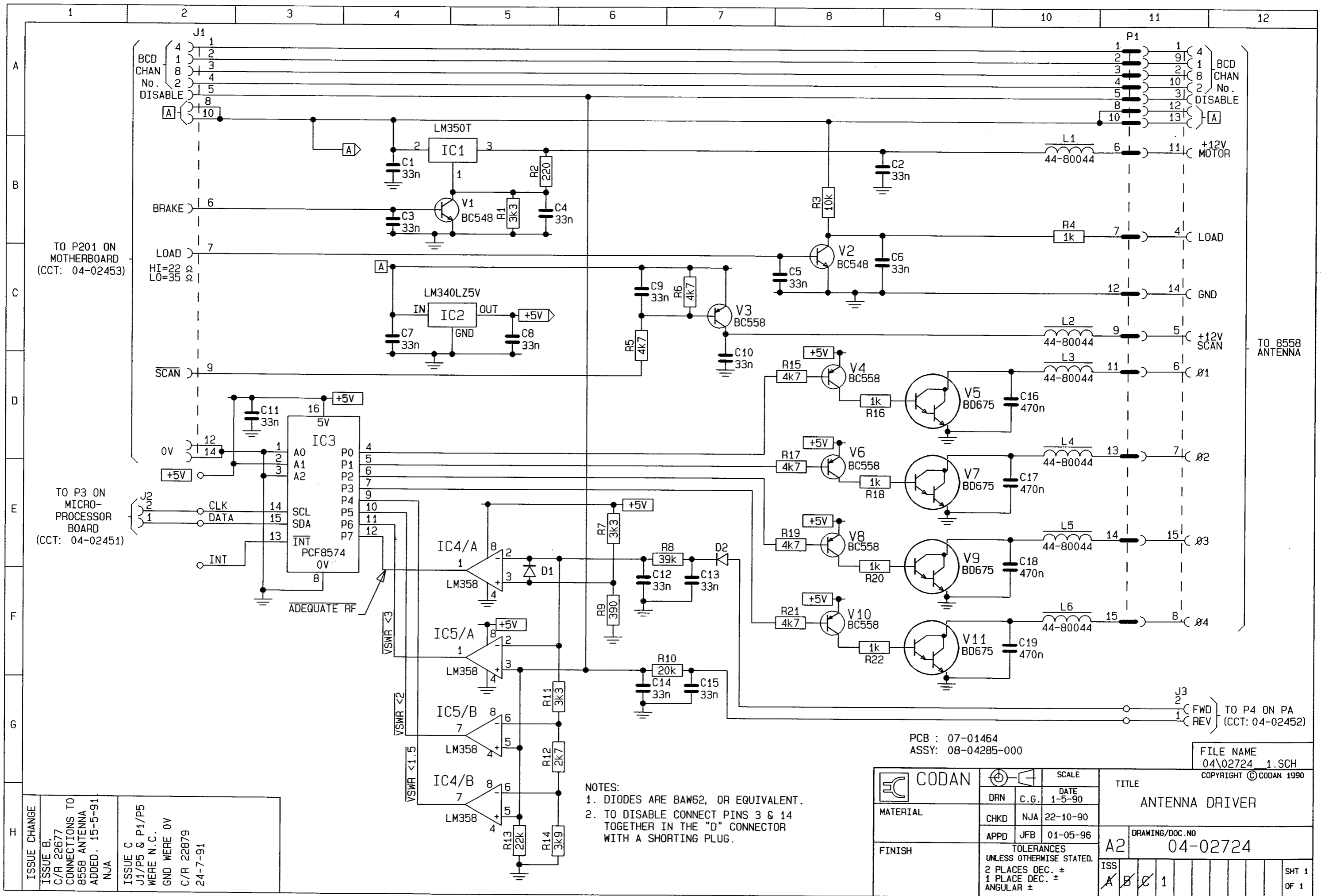
ASSY 08-03743
PCB 07-01243



CODAN	SCALE	DATE	TITLE
	DRN. OR	29-9-88	PA & FILTER
MATERIAL	CHKD.	19-9-89	DRAWING/DOC NO.
	APPD.	14-9-89	A1 04-02452
FINISH	TOLERANCES	ISS	SHT 1
	UNLESS OTHERWISE STATED	2 PLACES DEC \pm	OF 1
	1 PLACE DEC \pm	10 W 12 13	
	ANGULAR \pm		

586
801





TO P201 ON MOTHERBOARD (CCT: 04-02453)

TO P3 ON MICRO-PROCESSOR BOARD (CCT: 04-02451)

TO 8558 ANTENNA

TO P4 ON PA (CCT: 04-02452)

PCB : 07-01464
ASSY: 08-04285-000

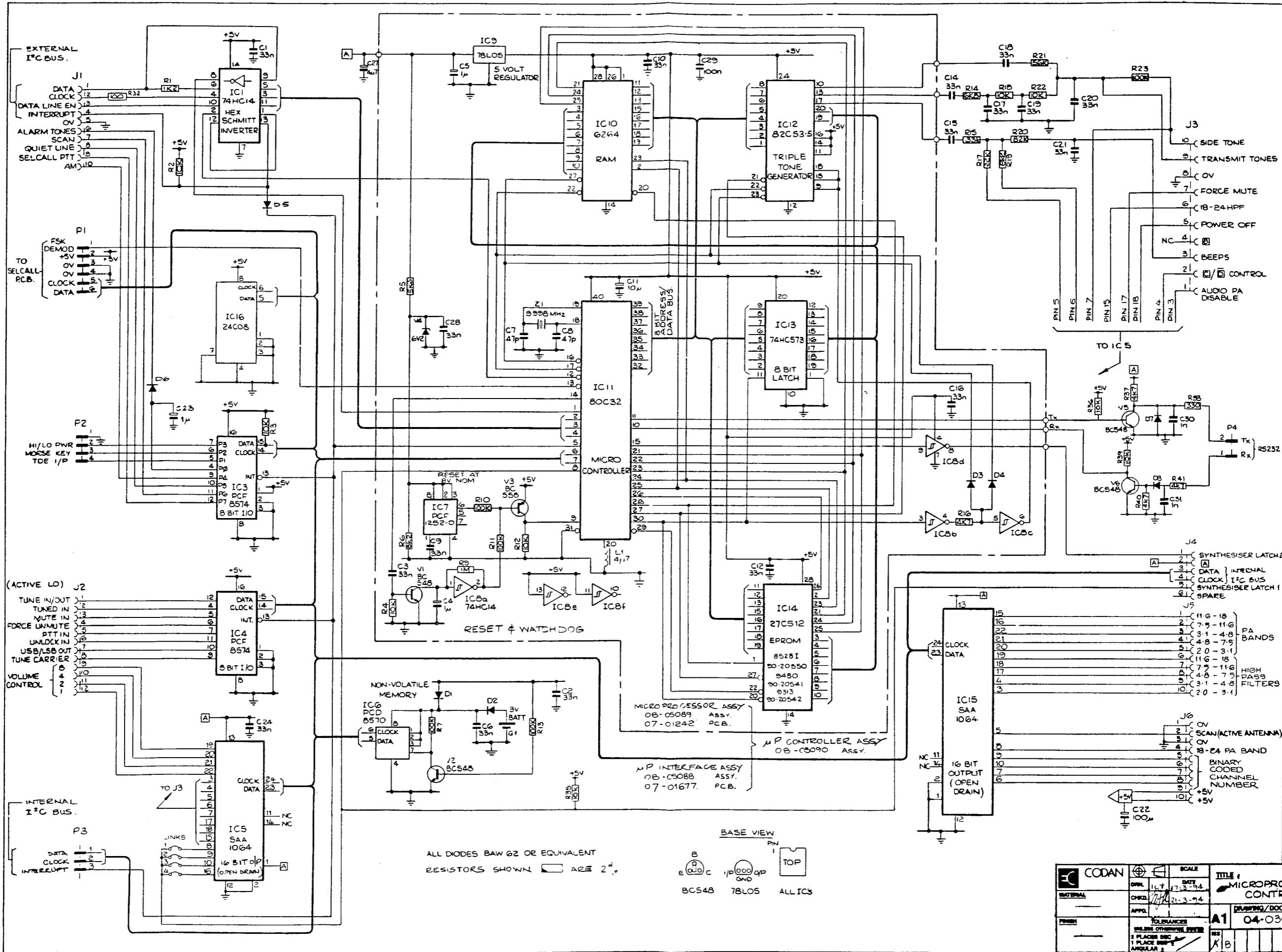
FILE NAME
04\02724_1.SCH
COPYRIGHT © CODAN 1990

- NOTES:
1. DIODES ARE BAW62, OR EQUIVALENT.
 2. TO DISABLE CONNECT PINS 3 & 14 TOGETHER IN THE "D" CONNECTOR WITH A SHORTING PLUG.

	DRN	C.G.	SCALE	TITLE
	1-5-90			
MATERIAL	CHKD	NJA	22-10-90	DRAWING/DOC. NO
	APPD	JFB	01-05-96	
FINISH	TOLERANCES UNLESS OTHERWISE STATED.			ISS
	2 PLACES DEC. ± 1 PLACE DEC. ± ANGULAR ±			
				SHT 1
				OF 1

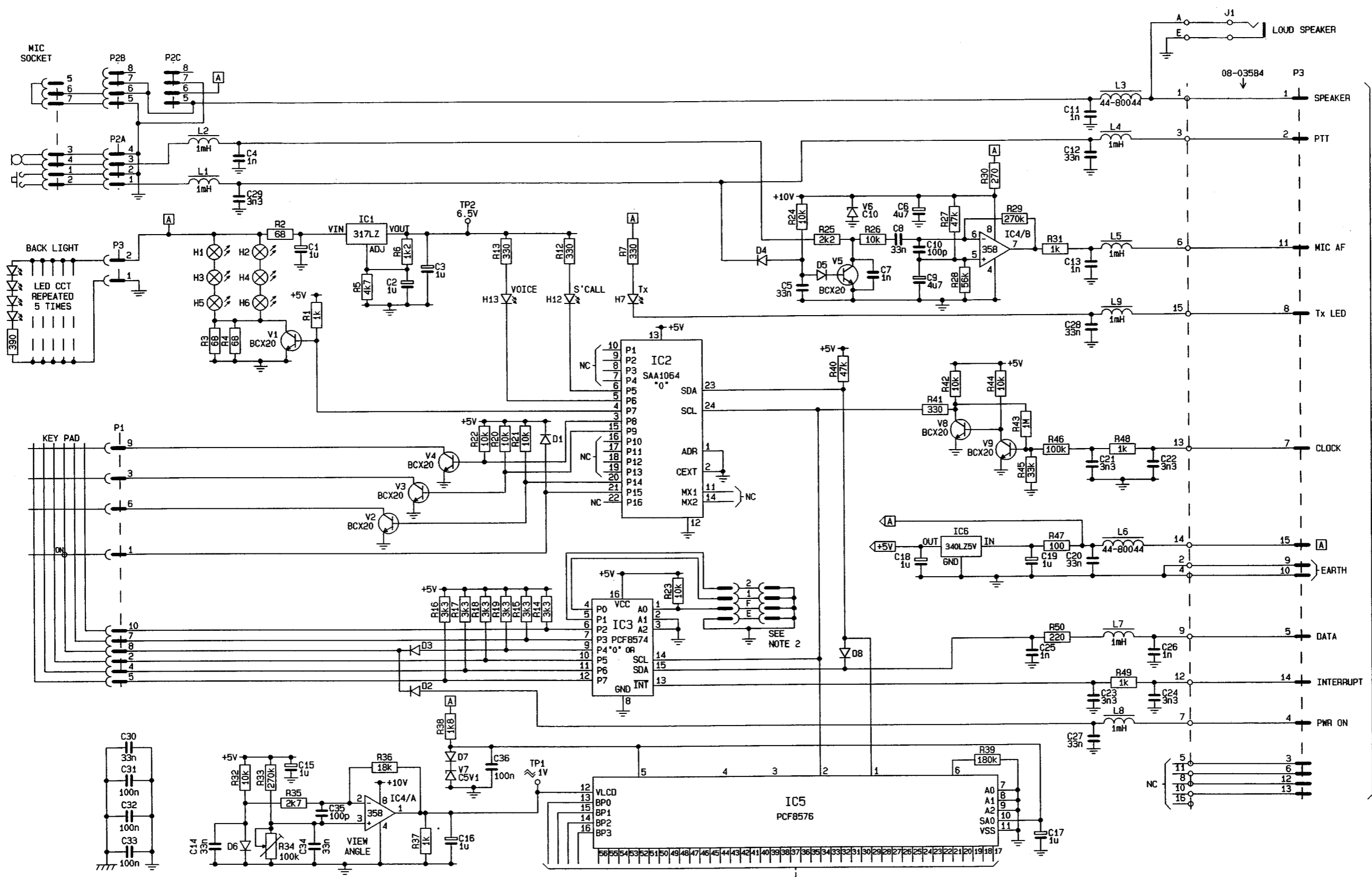
ISSUE CHANGE	ISSUE B.	ISSUE C
C/R 22677	C/R 22677	J1/P5 & P1/P5
CONNECTIONS TO	CONNECTIONS TO	WERE N.C.
8558 ANTENNA	8558 ANTENNA	GND WERE 0V
ADDED. 15-5-91	ADDED. 15-5-91	C/R 22879
NJA	NJA	24-7-91

ISS. B
IC14 DETAILS
CHANGED
CIR 24211/11
19-3-95



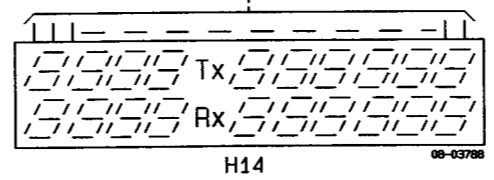
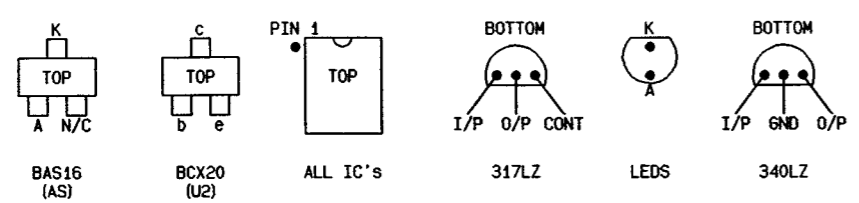
CODAN	SCALE	TITLE MICROPROCESSOR CONTROLLER	DRAWING/DOC NO. 04-03031
	DATE 17.3.94		
APPROVED	APPROVED	A1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		X/B	
1 PLACE DEC 1 PLACE IMP ANGULAR			

CHANGE REQUEST
 ISSUE 2
 R33 WAS 390K
 R36 WAS 10K
 C7/R 24093
 NJA 16-11-94



REMOTE PLUG TO 8528

NOTES:
 1. DIODES ARE BAS16, OR EQUIVALENT, UNLESS OTHERWISE STATED.
 2. SELECT LINK 'E' FOR EXTENDED CONTROL HEAD.

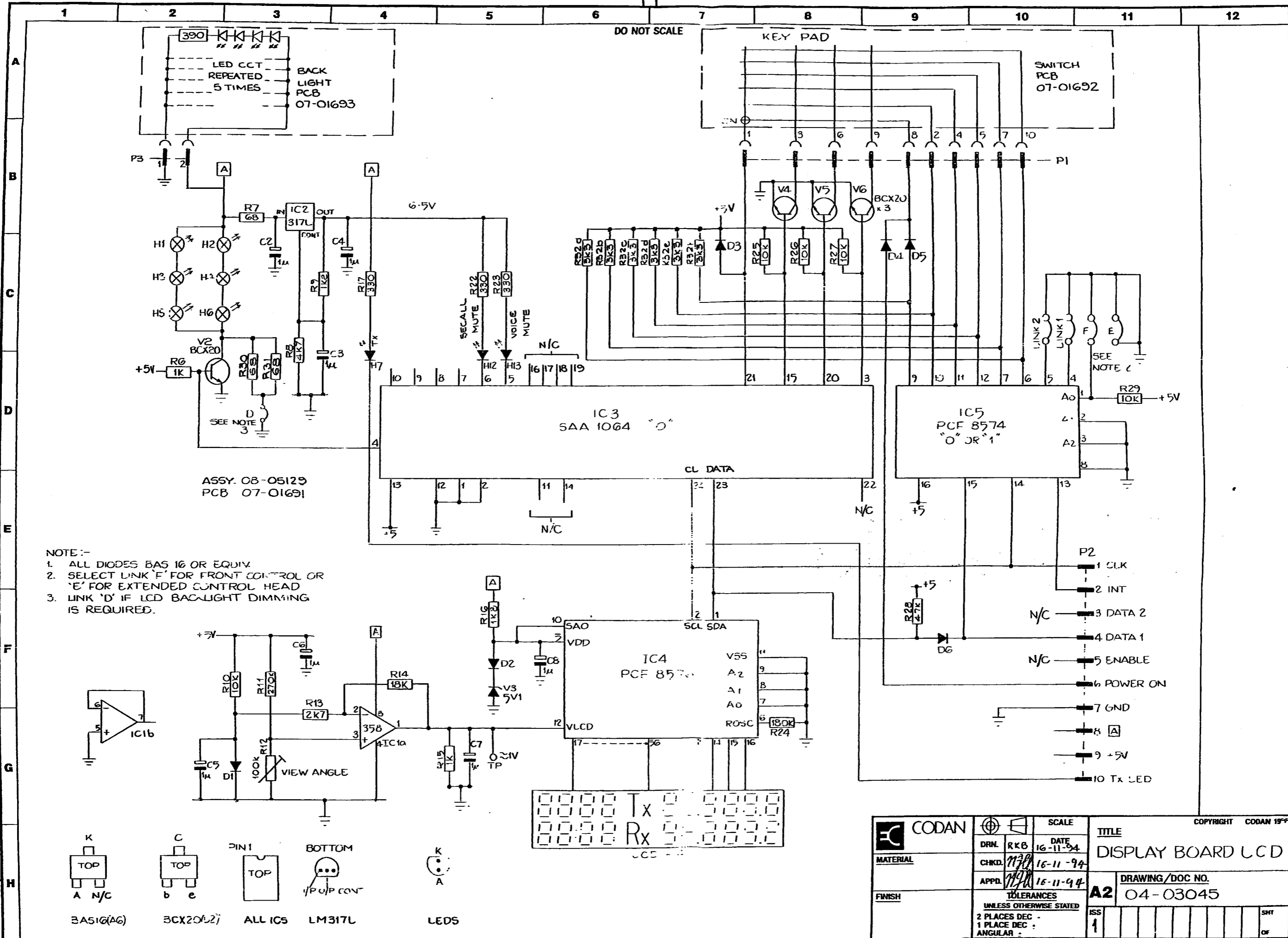


PCB 07-01688
 ASSY 08-05113-001

CODAN		SCALE		© CODAN PTY. LTD. A.C.N. 007 590 605. 1994	
DRN	ILT	DATE	TITLE		
CHKD	NJA	27-5-94	CONTROL HEAD		
APPD	NJA	30-5-94	DRAWING/DOC. NO		
TOLERANCES		A1 04-03038			
UNLESS OTHERWISE STATED		ISS			
2 PLACES DEC. ±		2			
1 PLACE DEC. ±		2			
ANGULAR ±		2			

MASTER IF NOT IN RED CHECK STATUS

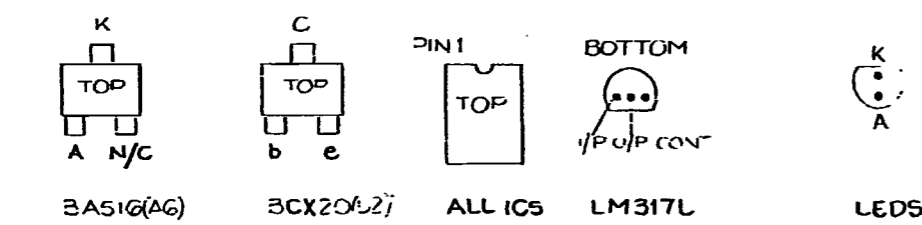
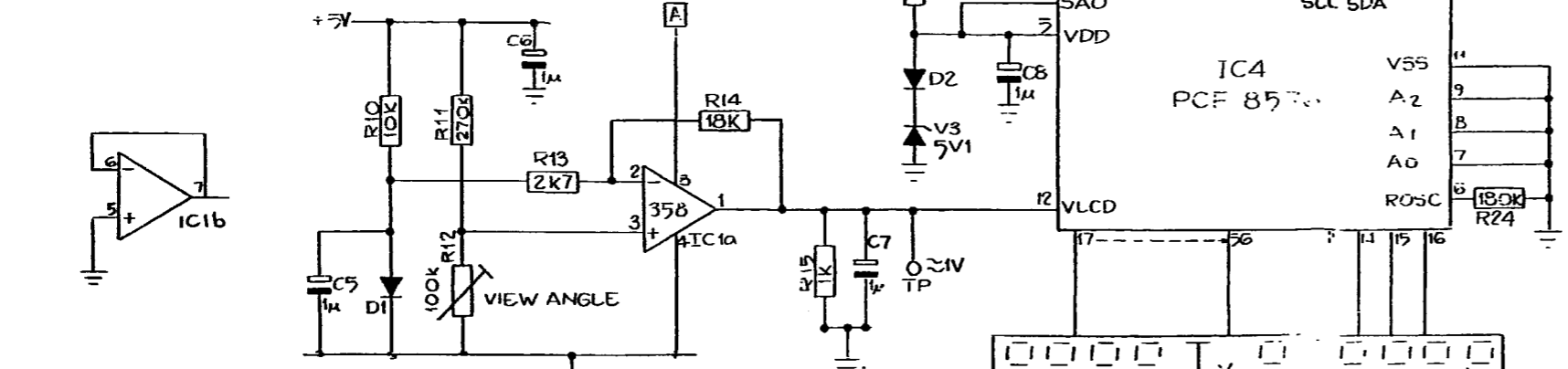
SHT 1 OF 1



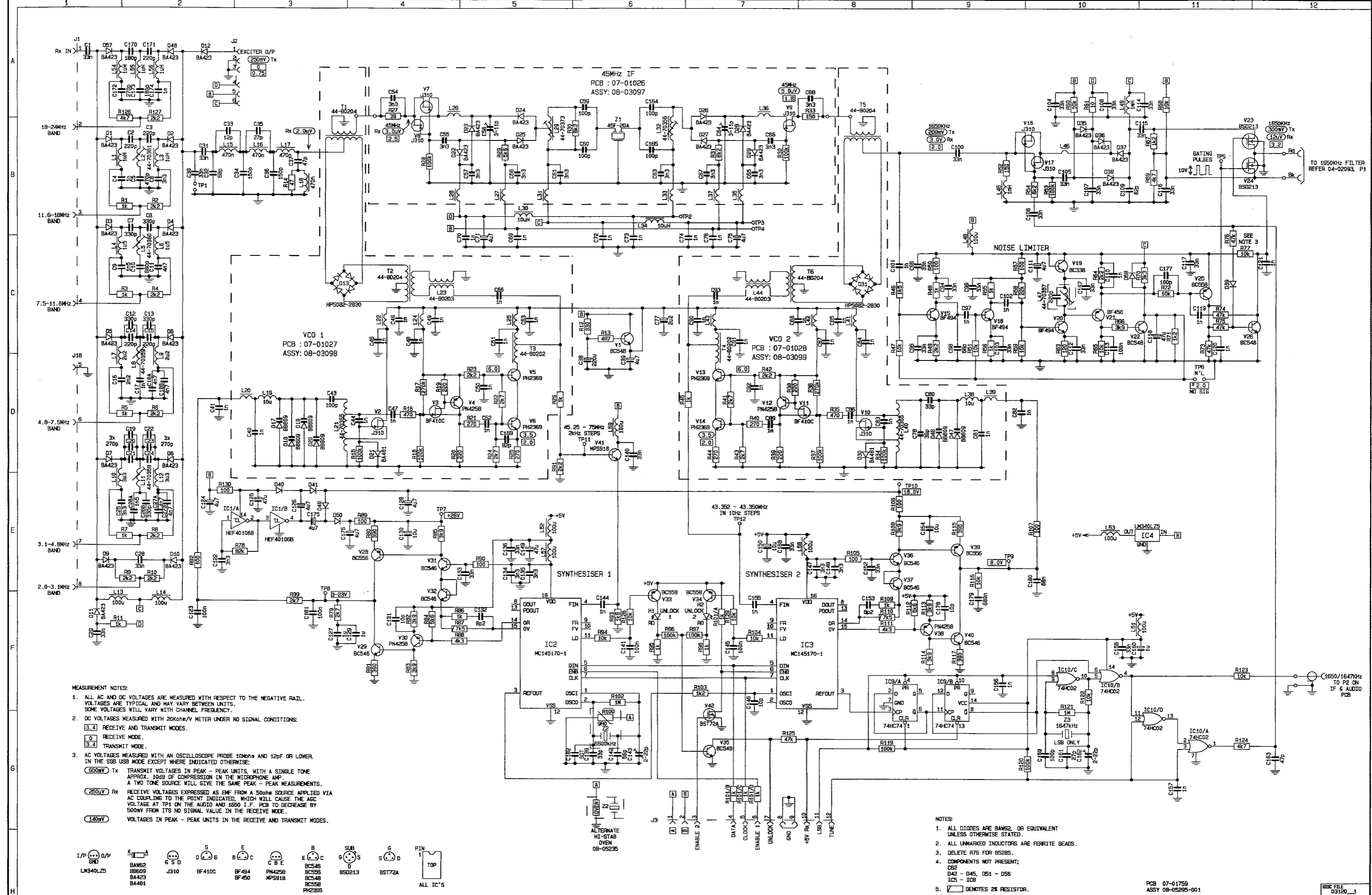
DO NOT SCALE

ASSY. 08-05129
PCB 07-01691

- NOTE:-
1. ALL DIODES BAS 16 OR EQUIV.
 2. SELECT LINK 'F' FOR FRONT CONTROL OR 'E' FOR EXTENDED CONTROL HEAD
 3. LINK 'D' IF LCD BACKLIGHT DIMMING IS REQUIRED.

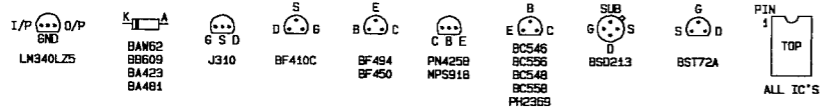


	SCALE	DATE	TITLE	COPYRIGHT CODAN 1994
	DRN. RKB	16-11-94	DISPLAY BOARD LCD	
MATERIAL	CHKD. M37	16-11-94	DRAWING/DOC NO.	A2 04-03045
FINISH	APPD. M37	16-11-94	ISS	
TOLERANCES UNLESS OTHERWISE STATED 2 PLACES DEC - 1 PLACE DEC - ANGULAR -			1	SHT OF



MEASUREMENT NOTES:

- ALL AC AND DC VOLTAGES ARE MEASURED WITH RESPECT TO THE NEGATIVE RAIL. VOLTAGES ARE TYPICAL AND MAY VARY BETWEEN UNITS. SOME VOLTAGES WILL VARY WITH CHANNEL FREQUENCY.
- DC VOLTAGES MEASURED WITH 20Kohm/V METER UNDER NO SIGNAL CONDITIONS.
 - 3.4 RECEIVE AND TRANSMIT MODES.
 - 0 RECEIVE MODE.
 - 3.4 TRANSMIT MODE.
- AC VOLTAGES MEASURED WITH AN OSCILLOSCOPE PROBE 10Mohm AND 12pF OR LOWER, IN THE SSB USB MODE EXCEPT WHERE INDICATED OTHERWISE:
 - 650mV Tx TRANSMIT VOLTAGES IN PEAK - PEAK UNITS, WITH A SINGLE TONE APPROX. 10dB OF COMPRESSION IN THE MICROPHONE AMP. A TWO TONE SOURCE WILL GIVE THE SAME PEAK - PEAK MEASUREMENTS.
 - 250uV Rx RECEIVE VOLTAGES EXPRESSED AS EMF FROM A 500Hz SOURCE APPLIED VIA AC COUPLING TO THE POINT INDICATED, WHICH WILL CAUSE THE AGC VOLTAGE AT TP1 ON THE AUDIO AND 1650 I.F. PCB TO DECREASE BY 500mV FROM ITS NO SIGNAL VALUE IN THE RECEIVE MODE.
 - 140mV VOLTAGES IN PEAK - PEAK UNITS IN THE RECEIVE AND TRANSMIT MODES.



- NOTES:**
- ALL DIODES ARE BAW22, OR EQUIVALENT UNLESS OTHERWISE STATED.
 - ALL UNMARKED INDUCTORS ARE FERRITE BEADS.
 - DELETE R76 FOR BS2BS.
 - COMPONENTS NOT PRESENT:
 - C82
 - D42 - D45, D51 - D55
 - IC5 - IC8
 - DENOTES 2% RESISTOR.

PCB 07-01759
ASSY 08-05295-001

CODAN

SCALE: 1:1

TITLE: RF MIXER & DUAL SYNTHESISER PCB

DATE: 11-12-96

APPD: M13 6-5-97

FINISH: A0

UNLESS OTHERWISE STATED

2 PLACES DEC. #

1 PLACE DEC. #

ANGULAR ±

ISS: A1

DRWING/DATE: 04-03120

SHT 1 OF 1

ISSUE CHANGE
ISSUE 1:
CR 28020
WERE 270K
8-5-87 MJS

ISSUE 9
C54 WAS 100p
C57 ADDED
C/R 22496
20-8-90 NJA

ISSUE 10
C55 WAS 100n
R28 & R30 WERE
68K
C/R 22538
29-8-90 NJA

ISSUE 11
R52 WAS 470
R96 WAS 330
C/R 23587
4-3-93 NJA

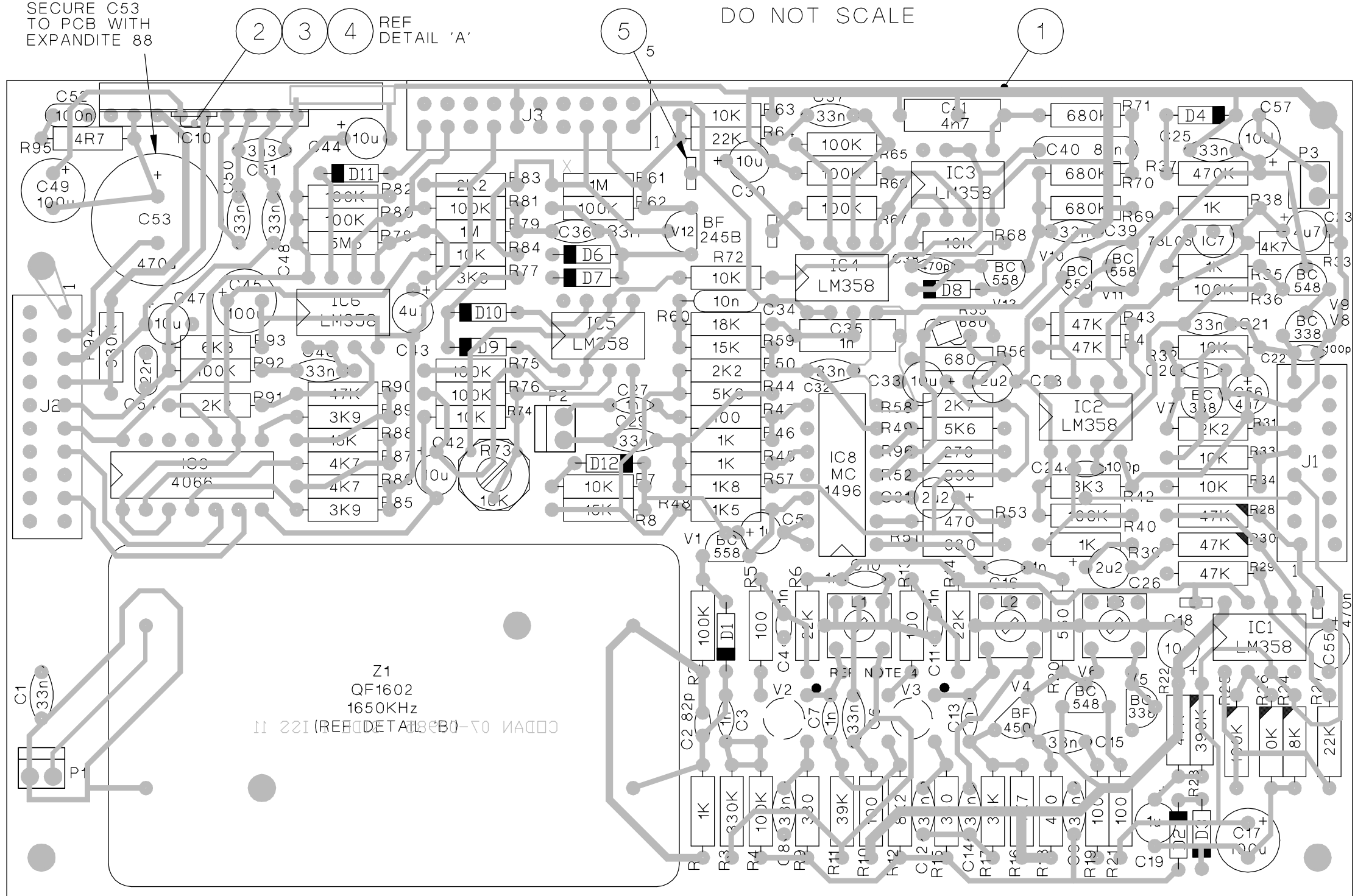
ISSUE 12
R97 ADDED
C/R 23689
29-9-93 NJA

ISSUE 13
P3 ADDED
C/R 24314
2-8-95
C57 WAS 1u
C/R 24319
7-8-95 NJA

ISSUE 14
V2 & V3 WERE
3SK85
C/R 24597
10-5-96 NJA

SECURE C53
TO PCB WITH
EXPANDITE 88

DO NOT SCALE



B. 21096

ISSUE 2
C56 ADDED
C/R 21271
V7 WAS BC548
C/R 21257
8-4-87 NJA

ISSUE 3
ITEM 3 ADDED
BETWEEN Z1
& PCB
C/R 21289
10-6-87 NJA

ISSUE 4
PCB WAS ISS. 4
R54 DELETED
R52 WAS 1K
R55 WAS 1K3
C/R 21339
29-9-87

ISSUE 5
R55 680 WAS
R52 820
C/R 21414
11-2-88 NJA

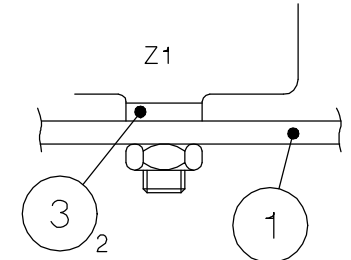
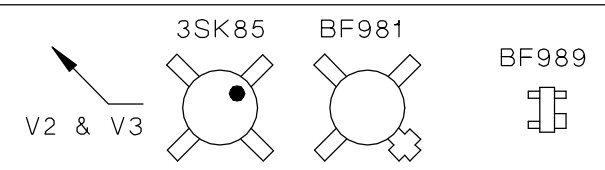
ISSUE 6
R36 WAS 47K
R95 ADDED
C/R 21621
22-9-88 NJA

ISSUE 7
3SK85 WAS BF981
(V2 & V3)
C/R 21999
22-6-89 NJA

ISSUE 8
C25 WAS 1u
D5 DELETED
R37 DET ADDED
C/R 22442
26-4-90 NJA

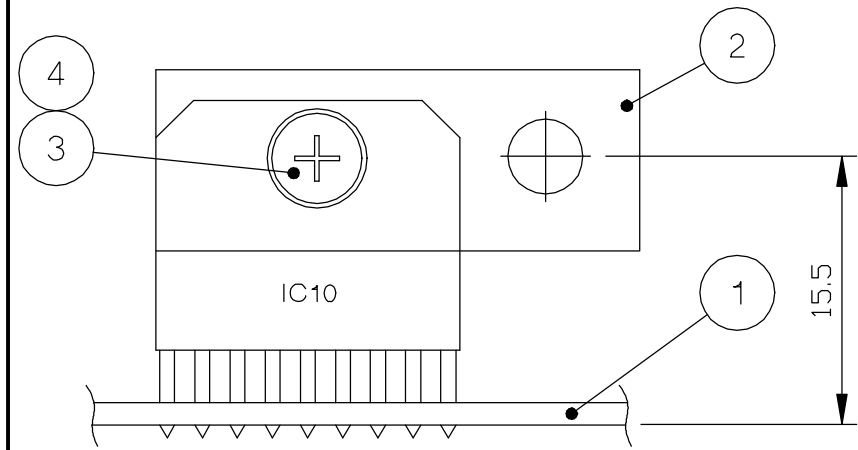
Z1
QF1602
1650KHz
CODAN 07-0985 (REVISED) 122 11

PCB 07-00985 ISSUE 11



DETAIL 'B'

FILE NAME
08\03025_14.DWG



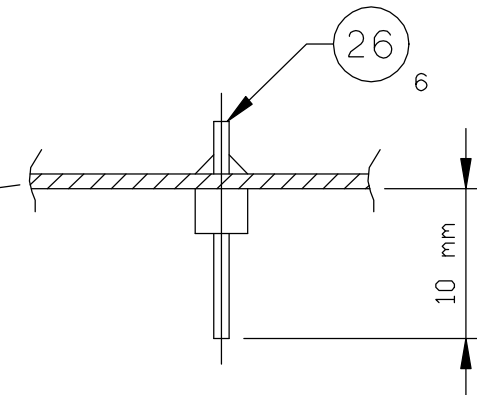
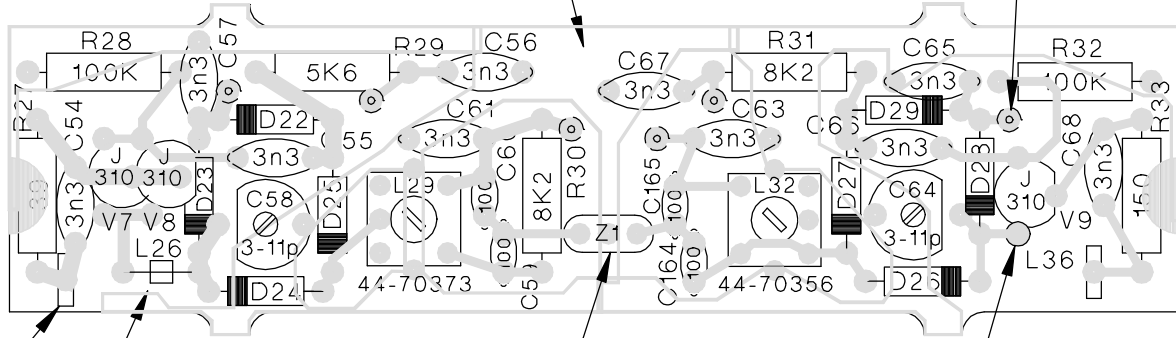
DETAIL 'A'

- NOTES:
1. ALL DIODES BAW62 OR EQUIVALENT.
 2. RESISTORS SHOWN ARE 2%
 3. CUT PINS OFF FILTER 4mm LONG FROM PCB AFTER SOLDERING.
 4. L1, L2 & L3 ARE 44-70357

	DRN	MB	SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605: 1997	
	MATERIAL	CHKD NJA 18-8-86	DATE 2-7-86	TITLE AUDIO & IF 1650 KHz PCB	
FINISH	APPD NJA 30-10-86	TOLERANCES UNLESS OTHERWISE STATED 2 PLACES DEC. 1 PLACE DEC. ±0.5 0 PLACE DEC. ±1 ANGULAR ±2°		DRAWING/DOC NO. A3 08-03025	
				ISS 11 12 13 14 REDRAWN	SHT. 1 OF 1

DO NOT SCALE

PCB 07-01026 ISS. 2



MOUNT 4BI BEAD
UNDERSIDE OF PCB
GLUED WITH EXPANDITE 88
ON ALL POINTS MARKED
(⊙) = 6 OFF

25
2

4BI BEAD ON
22 SWG TCW

45F20A

4BI BEAD ON
LEG ON COMP
SIDE

22

SOLDER SEAMS
ON BOTH SIDES
OF SHIELDS

24

B. 21080
ISSUE 2
ITEM No'S CHANGED
RTV ADDED
C/R 21257
9-4-87 NJA
ISSUE 3
SCREW BLOCK
DELETED
C/R 21289
10-6-87 NJA
ISSUE 4
NOTE ADDED
RE-SOLDER SEAMS
C/R 21391
15-2-88 NJA
ISSUE 5
R27 WAS 150
C/R 23558
15-2-93 NJA

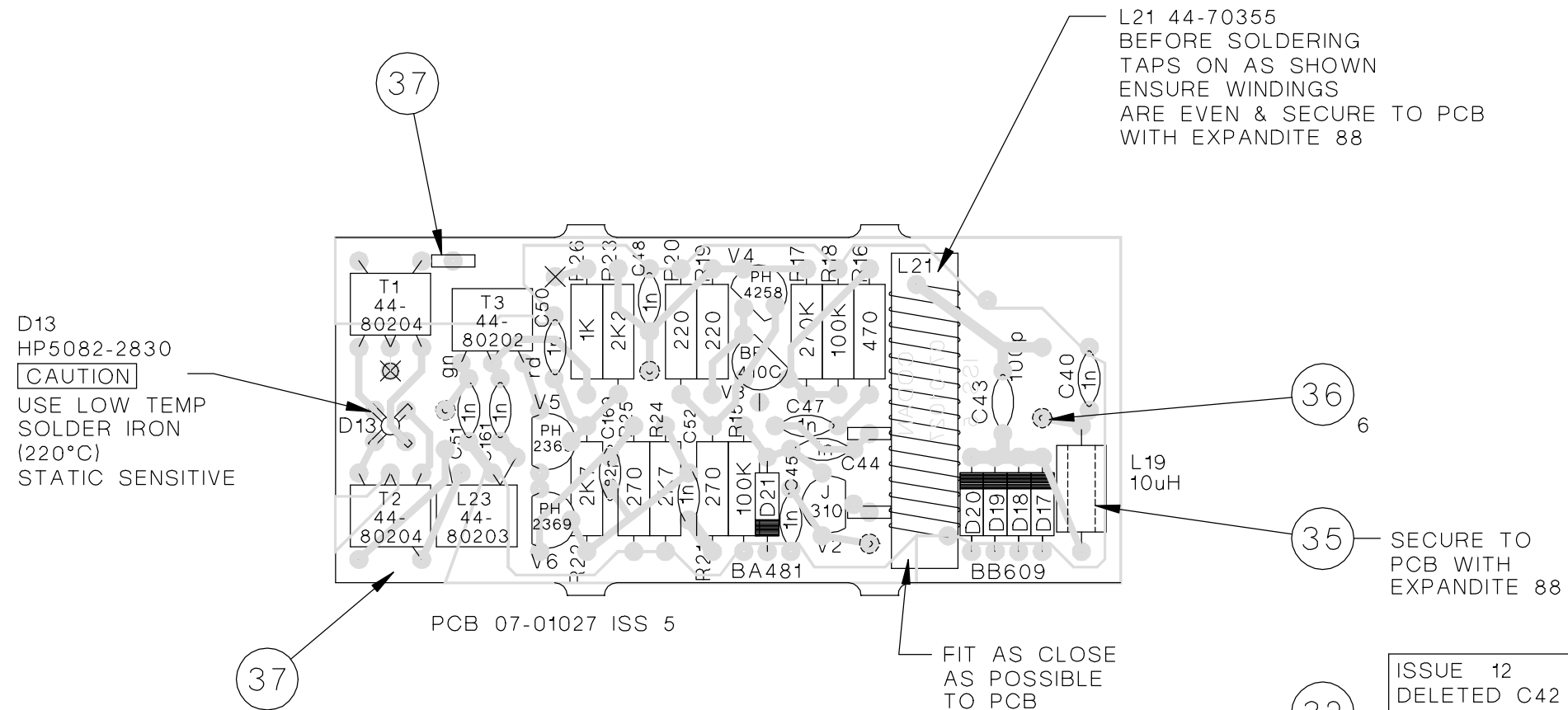
NOTES;

1. ALL DIODES BA423
2. 44-70373 - bl, rd, bl
44-70356 - bl, bk, bl
3. SECURE L26 & L36 TO
PCB USING EXPANDITE 88

FILE NAME
08\03097__5.DWG

	SCALE 2:1		© CODAN PTY LTD, A.C.N. 007 590 605: 1997 TITLE	
	DRN	APJ	DATE 4-7-86	
	CHKD	NJA	18-8-86	
MATERIAL	APPD	NJA 30-10-86		DRAWING/DOC NO.
FINISH	TOLERANCES UNLESS OTHERWISE STATED		A3 08-03097	
	2 PLACES DEC.		ISS	
	1 PLACE DEC.		1 2 3 4 5	
	0 PLACE DEC.		REDRAWN	
	ANGULAR		SHT. 1 OF 1	

DO NOT SCALE

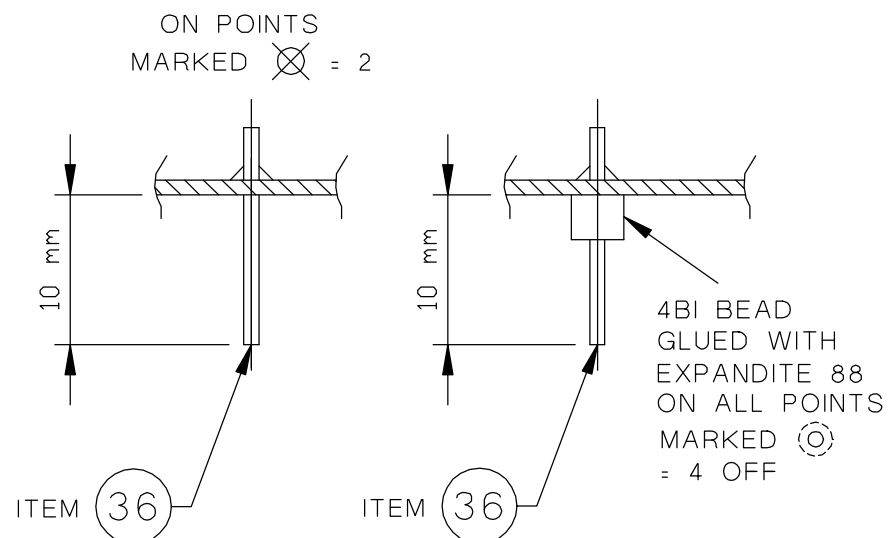
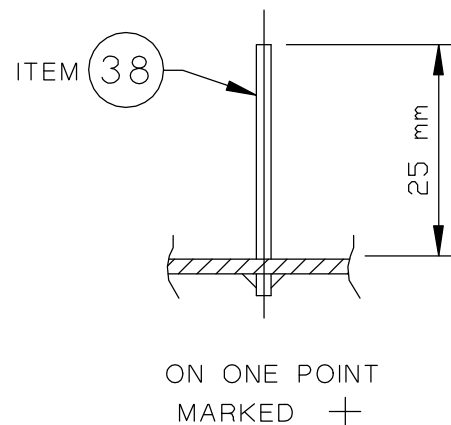


D13
HP5082-2830
CAUTION
USE LOW TEMP
SOLDER IRON
(220°C)
STATIC SENSITIVE

NOTE:

- V2 IS 23-20006
- 44-80202 - ye, bk, ye
44-80203 - ye, rd, ye
44-80204 - ye, gn, ye
- SECURE T1, T2, T3,
& L19 TO PCB WITH
EXPANDITE 88

SOLDER SEAMS
ON BOTH SIDES
OF SHIELDS



WARNING
THIS ASSEMBLY CONTAINS
ELECTRO-STATIC SENSITIVE DEVICES

B. 21080	
ISSUE 2 C/R 21257 7-4-87	NJA
ISSUE 3 SCREW BLOCK DELETED C/R 21289 10-6-87	NJA
ISSUE 4 C42 CHANGED C/R 21374 4-12-87	NJA
ISSUE 5 NOTE ADDED RE- SOLDER SEAMS C/R 21391 15-2-88	NJA
ISSUE 6 V2 WAS J310 C/R 21600 19-8-88	NJA
ISSUE 7 C169 ADDED C/R 21621 22-9-88	NJA
ISSUE 8 V2 CHANGED TO J310 C/R 21836 20-12-88	NJA
ISSUE 9 C169 DELETED C/R 21878 2-3-89	NJA
ISSUE 10 C169 ADDED R17 WAS 390K R19 WAS 180 R26 WAS 470 C43 WAS 56p C/R 21908 28-3-89	NJA
ISSUE 11 C42 CHANGED C/R 24423 15-11-95	CM
ISSUE 12 DELETED C42 C43 WAS 68p C/R 24741 28-11-96	NJA
FILE NAME 08\03098_12.DWG	

	SCALE 2:1		© CODAN PTY LTD, A.C.N. 007 590 605: 1997	
	DRN	APJ	TITLE VCO1 & MIXER	
MATERIAL	CHKD	NJA	DRAWING/DOC NO. 08-03098	
FINISH	APPD	NJA	A3	
TOLERANCES UNLESS OTHERWISE STATED		ISS		
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR		10 11 12 REDRAWN		
				SHT. 1 OF 1

ISSUE 11 CONT
 C79 REMOVED
 D46 ADDED
 C80 WAS 10p
 C/R 24741
 04-02-97 JB

ISSUE 12
 -001 & -002 P/No's
 ADDED,
 -002 DETAIL ADDED.
 C/R 25186
 17-12-97 PM

NOTE:

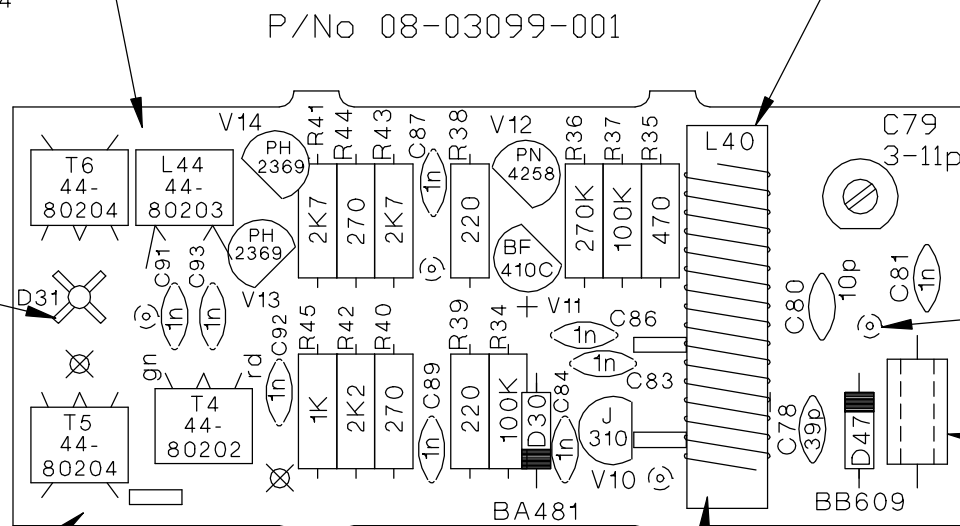
- V10 IS 23-20006
- 44-80202 - ye, bk, ye
 44-80203 - ye, rd, ye
 44-80204 - ye, gn, ye
- SECURE T4, T5, T6, L44
 & L38 TO PCB WITH
 EXPANDITE 88

D31
 HP5082-2830

CAUTION
 USE LOW TEMP
 SOLDER IRON
 (220°C)
 STATIC SENSITIVE

DO NOT SCALE

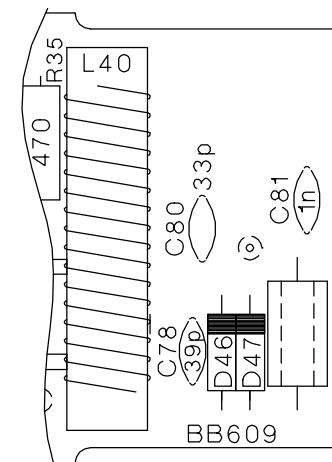
L40 44-70355
 BEFORE SOLDERING
 TAPS ON AS SHOWN
 ENSURE WINDINGS
 ARE EVEN & SECURE
 TO PCB WITH EXPANDITE 88



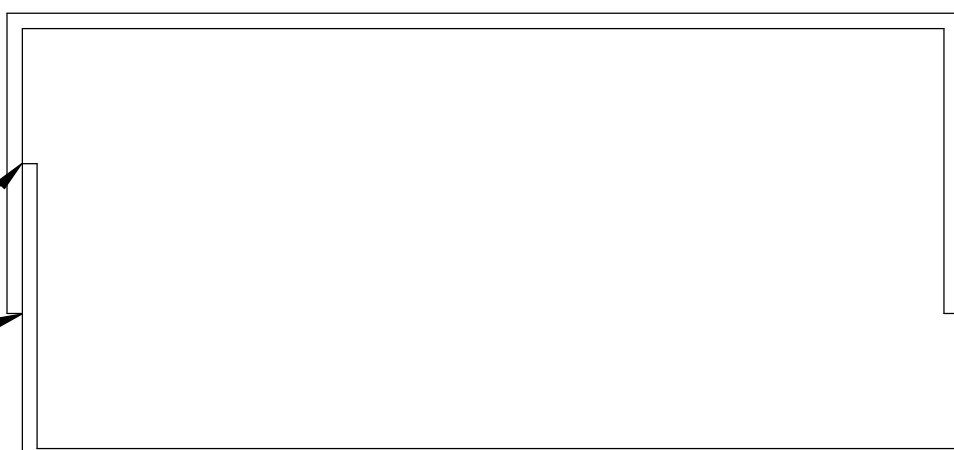
PCB 07-01028 ISS 4

FIT AS CLOSE AS
 POSSIBLE TO PCB

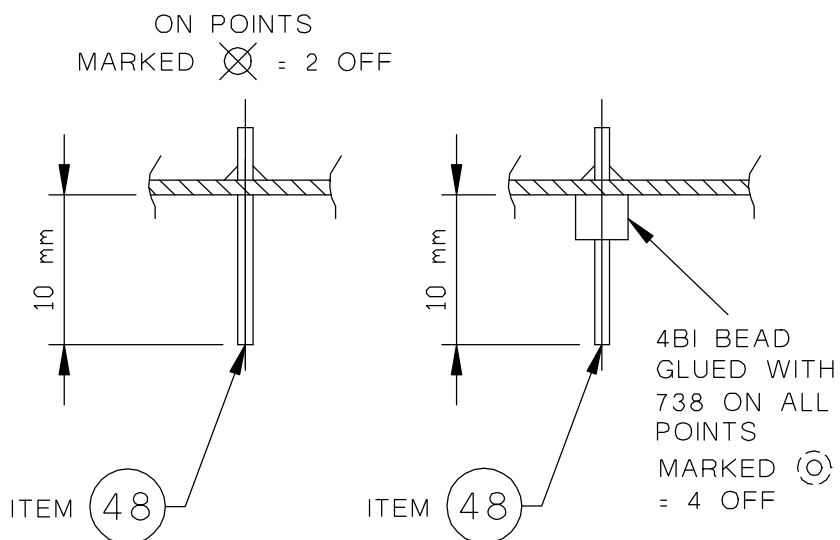
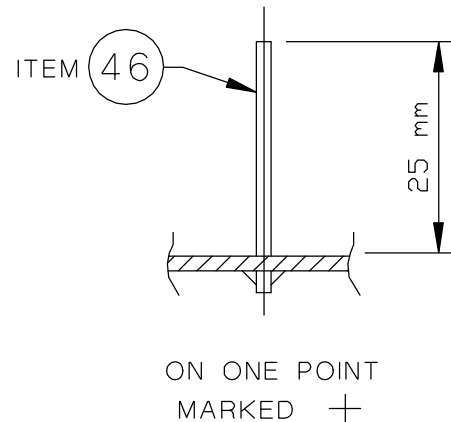
SECURE TO PCB
 WITH EXPANDITE 88



P/No 08-03099-002
 ALL OTHER DETAIL
 AS PER -001.



SOLDER SEAMS
 ON BOTH SIDES
 OF SHIELDS



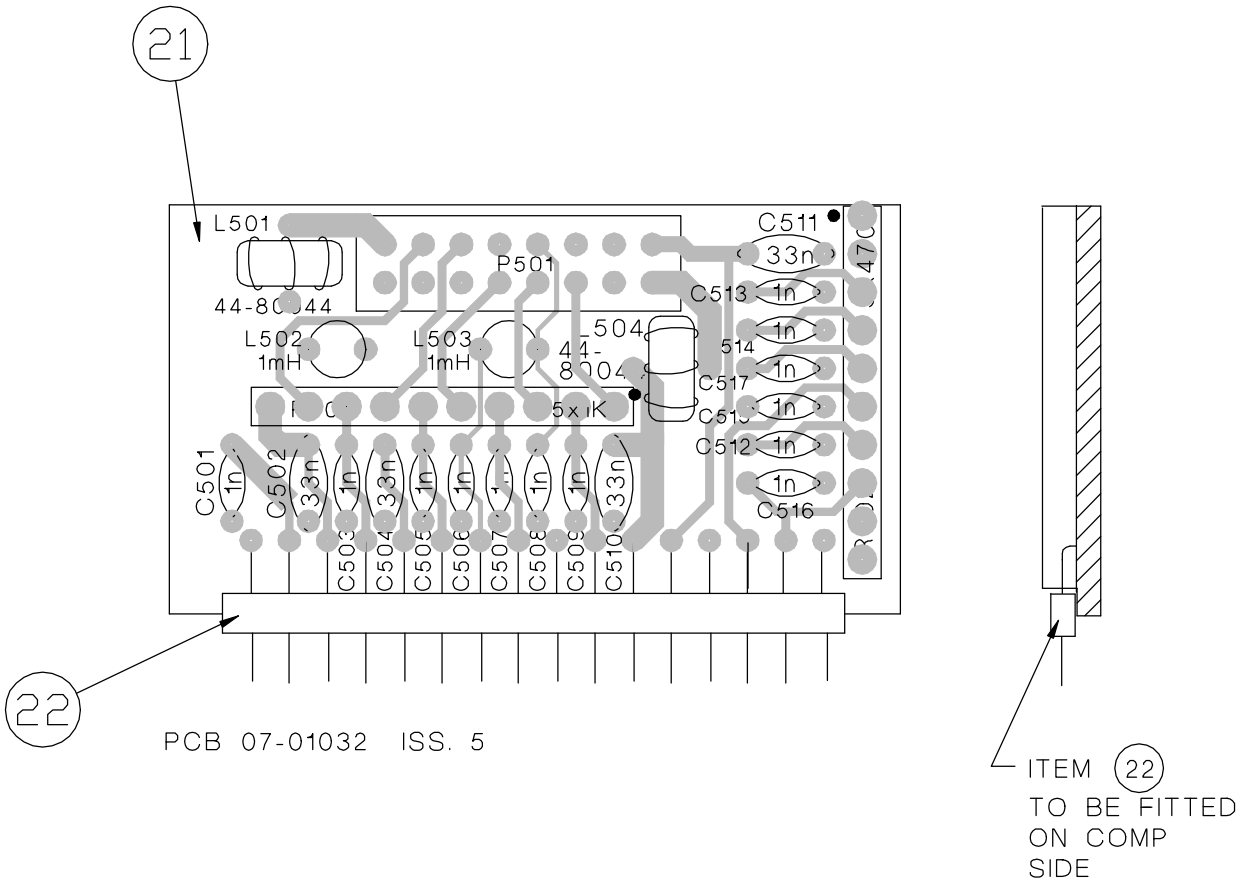
WARNING
 THIS ASSEMBLY CONTAINS
 ELECTRO-STATIC SENSITIVE DEVICES

B. 21080
 ISSUE 2
 ITEM No'S CHANGED
 RTV CHANGED
 C/R 21257
 9-4-87 NJA
 ISSUE 3
 SCREW BLOCK
 DELETED
 C/R 21289
 10-6-87 NJA
 ISSUE 4
 PCB WAS ISS 1
 HOLES ADDED
 TO ACCOMMODATE
 CAP TYPE CHANGE
 C78 & C80
 C/R 21339
 29-8-87 NJA
 ISSUE 5
 C79 WAS 2-5p
 C/R 21374
 14-12-87 NJA
 ISSUE 6
 NOTE ADDED
 RE-SOLDER SEAMS
 C/R 21391
 15-2-88 NJA
 ISSUE 7
 V10 WAS J310
 C/R 21600
 19-8-88 NJA
 ISSUE 8
 V10 CHANGED
 TO J310
 C/R 21836
 20-12-88 NJA
 ISSUE 9
 R36 WAS 390K
 R38 WAS 180
 R45 WAS 470
 C/R 21908
 28-3-89 NJA
 ISSUE 10
 C79 CHANGED
 C/R 24423
 15-11-95 NJA
 ISSUE 11
 PCB NOW ISS 4
 C/R 24741
 28-11-96 JB

FILE NAME
 08\03099A12.1.DWG

	SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605: 1997	
	DATE 7-7-86	TITLE VCO2 & MIXER	
MATERIAL	DRN APJ	DRAWING/DOC NO. 08-03099	
FINISH	CHKD NJA 18-8-86	ISS 11 12	SHT. 1 OF 1
	APPD NJA 30-10-86		
TOLERANCES UNLESS OTHERWISE STATED			
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR			

DO NOT SCALE



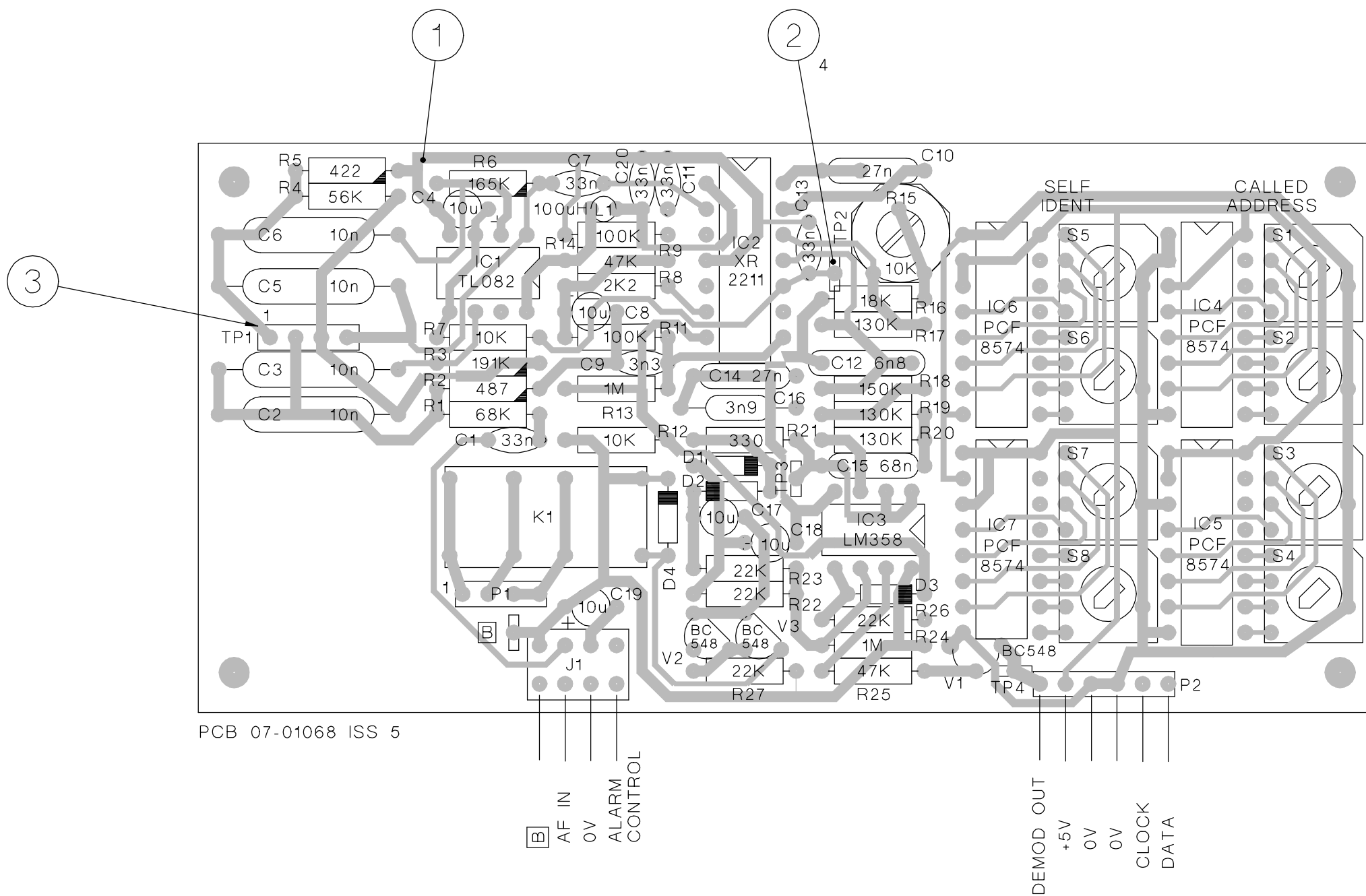
PCB 07-01032 ISS. 5

ITEM 22
TO BE FITTED
ON COMP
SIDE

ISSUE 2 ITEM No'S CHANGED C/R 21257 9-4-87 NJA	ISSUE 3 IDENT SPOT ON R502 WAS ON WRONG END C/R 21280 27-5-87	ISSUE 4 C/R 21367 22-3-88	ISSUE 5 C/R 21646 BLACK SPOT MOVED 12-10-88 NJA	ISSUE 6 2x2.1 HOLES ADDED C/R 22898 NJA	ISSUE 7 IN LINE WITH PCB ISS. 3 C/R 23287 17-6-92 NJA	ISSUE 8 PCB CHANGED C/R 24450 6-3-96 CM	ISSUE 9 R502 WAS 5x1k, C512/517 TRANSPOSED. C/R 25246 2-3-98 NJA	FILE NAME 08\03127__9.DWG
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			SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605: 1997 TITLE FILTER, REMOTE CONTROL
	DRN	APJ	DATE 10-7-86	
MATERIAL	CHKD	NJA	18-8-86	DRAWING/DOC NO. A4 08-03127
FINISH	APPD	NJA	30-10-86	
	TOLERANCES UNLESS OTHERWISE STATED			ISS 9
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR			SHT. 1 OF 1	

DO NOT SCALE



ISSUE B
C/R 21202
16-12-86 NJA

ISSUE 1
C/R 21226
10-2-87 NJA

ISSUE 2
C20 & L1 ADDED
C/R 21339
3-9-87 NJA

ISSUE 3
C/R 22128
VARIANT TABLE
ADDED
15-9-89 NJA


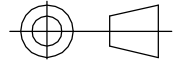
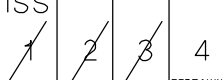
ISSUE 4
C/R 22812
R1 WAS 56K
R3 WAS 196K
15-4-91 NJA

FILE NAME
08\03300_4.DWG

NOTES

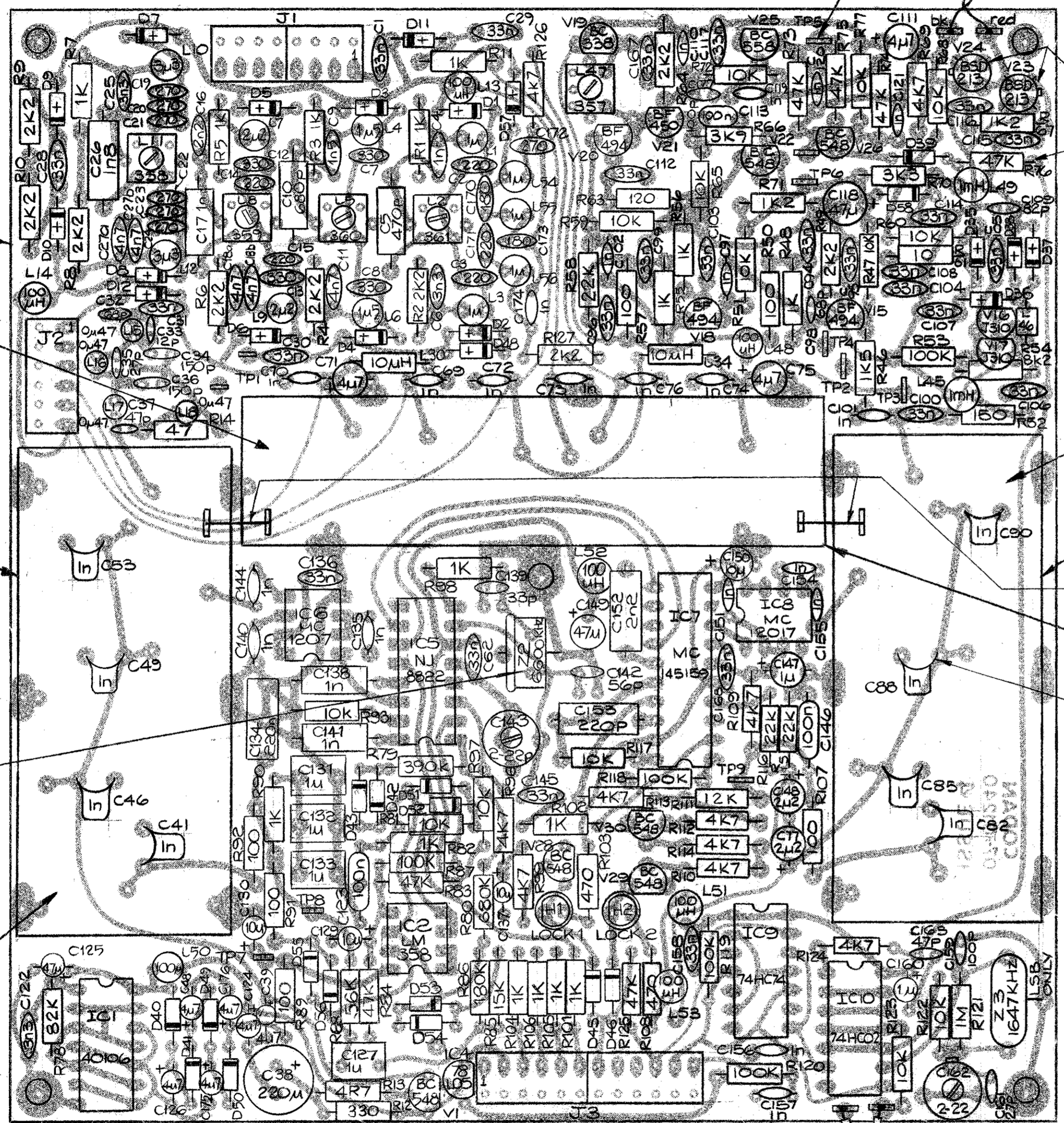
1. ALL DIODES ARE BAW62 OR EQUIVALENT
2. RESISTORS SHOWN  ARE 1%

TYPE	ASSY. No	IC6	IC7	IC6	IC7	S1 - S8
SDE	08-03300	✓	✓	✓	✓	✓
SD	08-03300-000	—	—	—	—	—

		SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605: 1987 TITLE SDE, SDEM SELECTIVE CALL
	DRN	APJ	
MATERIAL	CHKD	NJA	12-11-86
FINISH	APPD	NJA	10-2-87
TOLERANCES UNLESS OTHERWISE STATED			DRAWING/DOC NO. 08-03300
2 PLACES DEC. ±0.5 1 PLACE DEC. ±1 0 PLACE DEC. ±1 ANGULAR ±2°			
ISS			SHT. 1 OF 1

DO NOT SCALE

A
B
C
D
E
F
G
H



SEE NOTE 4

CAUTION

V24 & V23
STATIC SENSITIVE

FOLD WIRE
BACK FOR +VE
SUPPLY
CONNECTION

SOLDER 26 GAUGE
TCW TO BODY OF
CLIP FOR GND
CONNECTION.

DETAIL 'A'

XTAL (Z2)

25 SWG TCW TO BE
INSULATED USING
VIDAFLEX.

NOTE ALL 1n CAPACITORS SHOWN
THUS MUST BE LAYED DOWN.
CAPACITORS MAY BE FITTED ON TOP
OF P.C.B UNDER THE BOX ASSY'S OR
ON THE UNDERSIDE OF THE P.C.B.

NOTES:

1. L46 IS A FERRITE BEAD.
2. DIODES MARKED - [+] ARE BA423
ALL UNMARKED DIODES
ARE BA423 OR EQUIVALENT.
3. APPLY A LIBERAL AMOUNT OF
ISONEL 642 AIR DRY VARNISH
TO VCO 1 & 2 COILS: L21, L40
4. REMOVE FOR 8528 S
5. SOLDER ALL TABS & PINS
ON LIDS.

ISSUE B
R79 WAS TOOK
CIR 21785
1-6-89 *MJL*

ISSUE C
L17 WAS 0.122
C32 WAS 582P
C34 WAS 180P
C30 WAS 100P
C125 WAS 4M7
C/R 22002
6-7-89 *MJL*

ISSUE D
C160 WAS 33n
CIR 22119
30-8-89 *MJL*

ISSUE 2
D57 WAS D47
C150 " 33n
C142 " 68P
C/R 22151
15-11-89 *MJL*

ISSUE 3
C/R 22284
R62 DELETED
C/R 22252
L52 DESIGN-
NATION ADDED
31-1-90 *MJL*

ISSUE 4
L12 WAS L10
CIR 22516
21-8-90 *MJL*

ISSUE 5
D58 ADDED
CIR 22538
30-8-90 *MJL*

ISSUE 6
DETAIL 'A'
ADDED
C/R 22811
17-4-90 *MJL*

ISSUE 7
R93 WAS 22K
C/R 23151
17-12-91 *MJL*

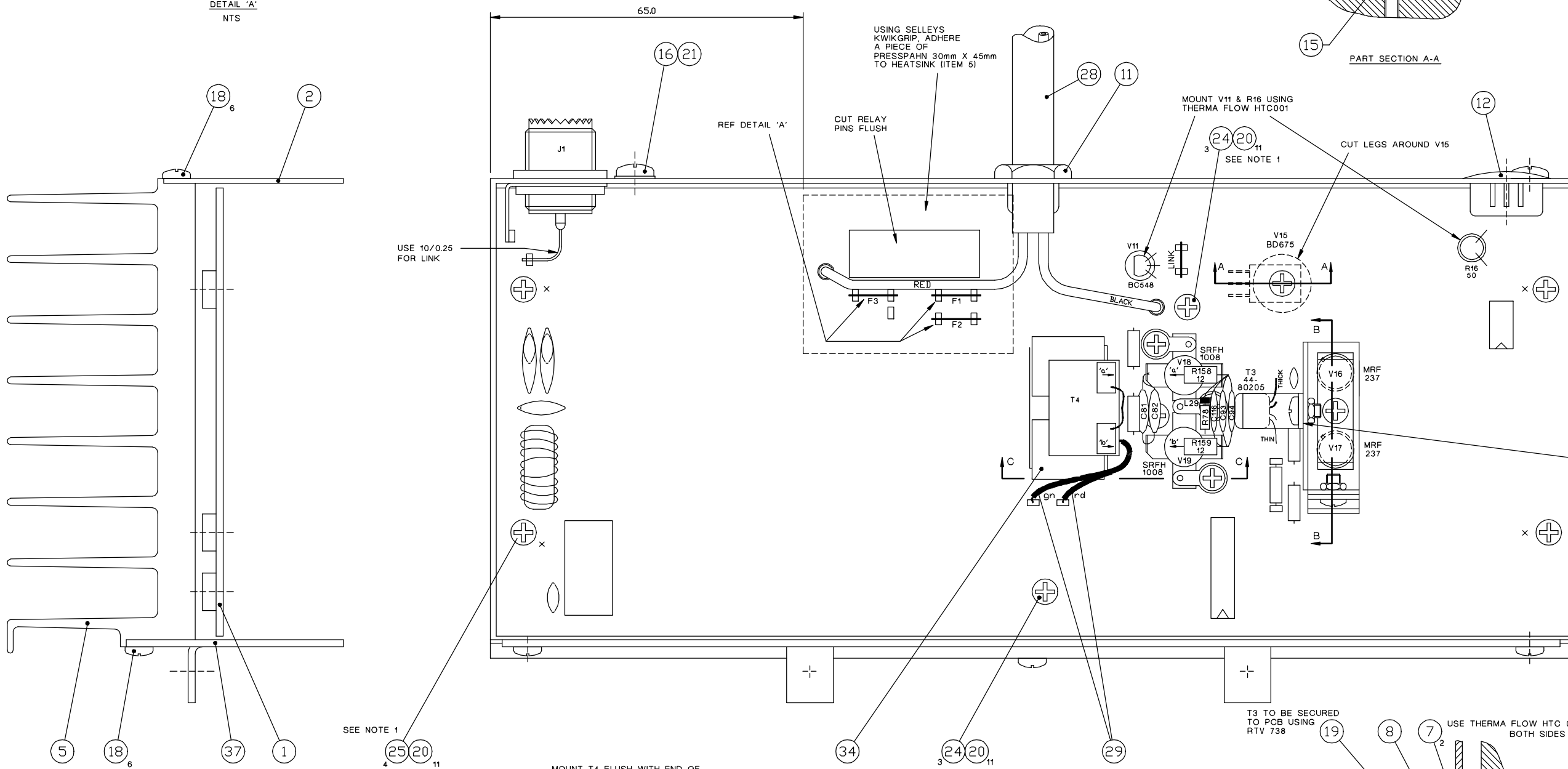
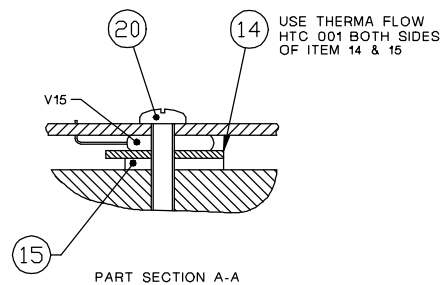
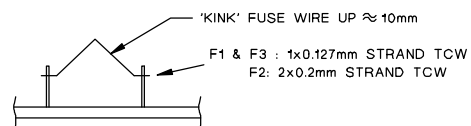
REF DETAIL 'A'

PCB 07-01240 155.4

08-03740-001	AS DRAWN

	SCALE	2:1	TITLE RF, MIXER & DUAL SYNTHESISER PCB
	DATE	19-10-88	
MATERIAL	CHKD.	19-4-89	DRAWING/DOC NO. A2 08-03740
FINISH	APPD.	14-9-89	
TOLERANCES UNLESS OTHERWISE STATED 2 PLACES DEC ± 1 PLACE DEC ± ANGULAR ±			ISS 1 2 3 4 5 6 7
SHT OF			SHIP OF

DO NOT SCALE



SEE NOTE 1
ENSURE SHORT (3mm) STANDOFFS ARE FITTED IN POSITIONS SHOWN THUS X

MOUNT T4 FLUSH WITH END OF HEATSINK & AS CLOSE AS POSSIBLE TO V18 & V19.

APPLY LOCTITE 290 BETWEEN HEATSINK (ITEM 34) AND CORE

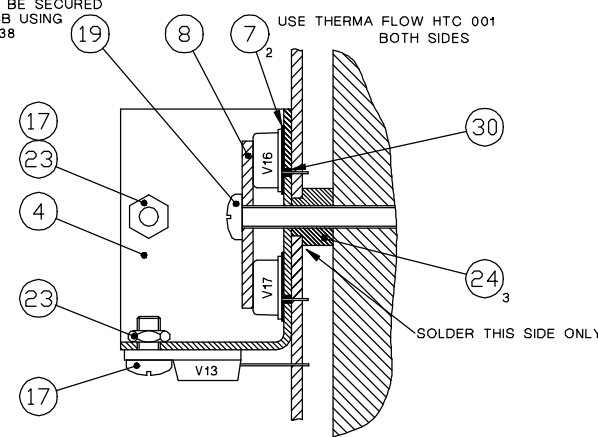
NOTE MNTG HOLE IS OFFSET. FIT T4 WITH CARE!

USE THERMA-FLOW HTC001 BOTH SIDES

BEND 2 TABS AT 90°, 1.5 mm FROM ENDS (BOTH TRANSISTORS) AS SHOWN

USE THERMA FLOW HTC 001 BOTH SIDES

T3 TO BE SECURED TO PCB USING RTV 738
USE THERMA FLOW HTC 001 BOTH SIDES



PART SECTION B-B

PART SECTION C-C

NOTES:

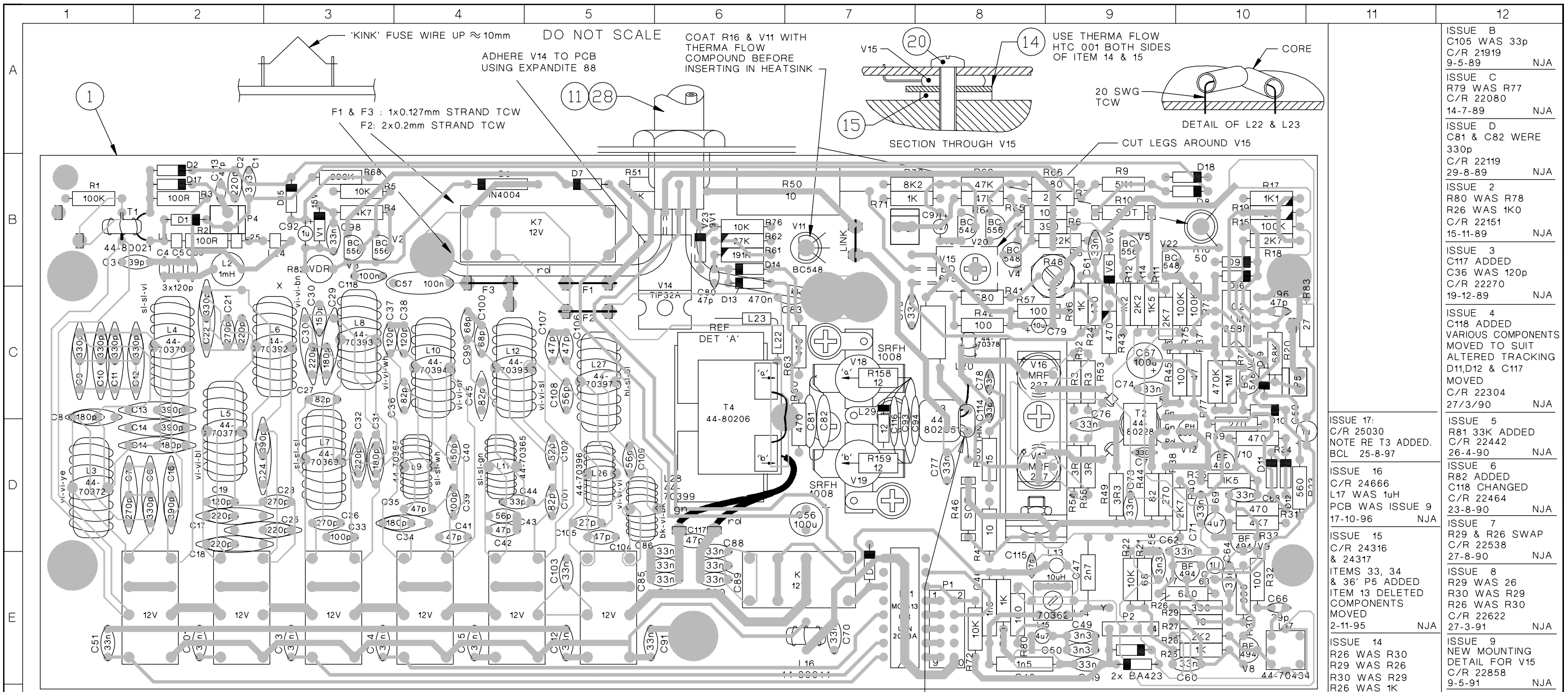
- SOLDER ITEMS 24 AND 25 ON UNDER SIDE OF PCB, WHERE POSSIBLE.
- SECURE L29 TO WIRE USING EXPANDITE 88

ISSUE B	REF SHT 2
ISSUE C	REF SHT 2
ISSUE D	C81 & C82 WERE 330p C/R 22119 NJA
ISSUE 2	REF SHT 2 NJA
ISSUE 3	C117 ADDED C/R 22270 20-12-89 NJA
ISSUE 4	C117 REMOVED C/R 22304 27/3/90 NJA
ISSUE 5	REF SHT 2
ISSUE 6	REF SHT 2
ISSUE 7	REF SHT 2
ISSUE 8	REF SHT 2
ISSUE 9	REF SHT 2
ISSUE 10	REF SHT 2
ISSUE 11	REF SHT 2
ISSUE 12	ITEM 30 WAS ITEM 29 C/R 23681 9-8-93
ISSUE 13	REF SHT 2
ISSUE 14	REF SHT 2
ISSUE 15	C/R 24316 & 24317 ITEMS 33,34 & 36 ADDED REF SHT 2 ALSO 2-11-95 NJA
ISSUE 16	C/R 24666 REF SHT 2
ISSUE 17:	C/R 25030 REFER SHT 2

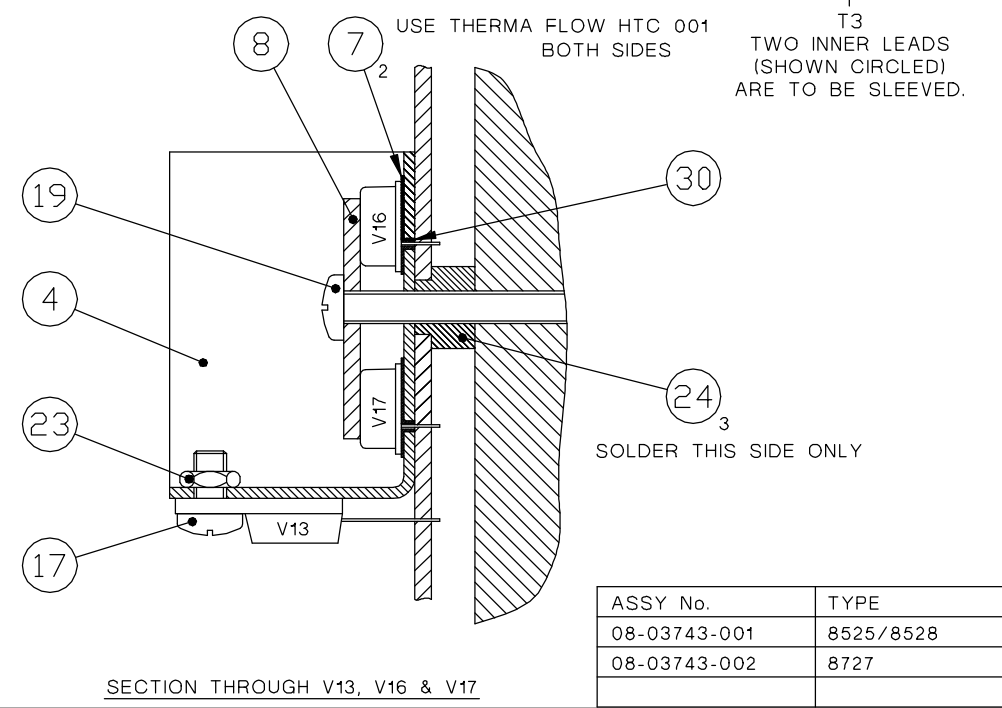
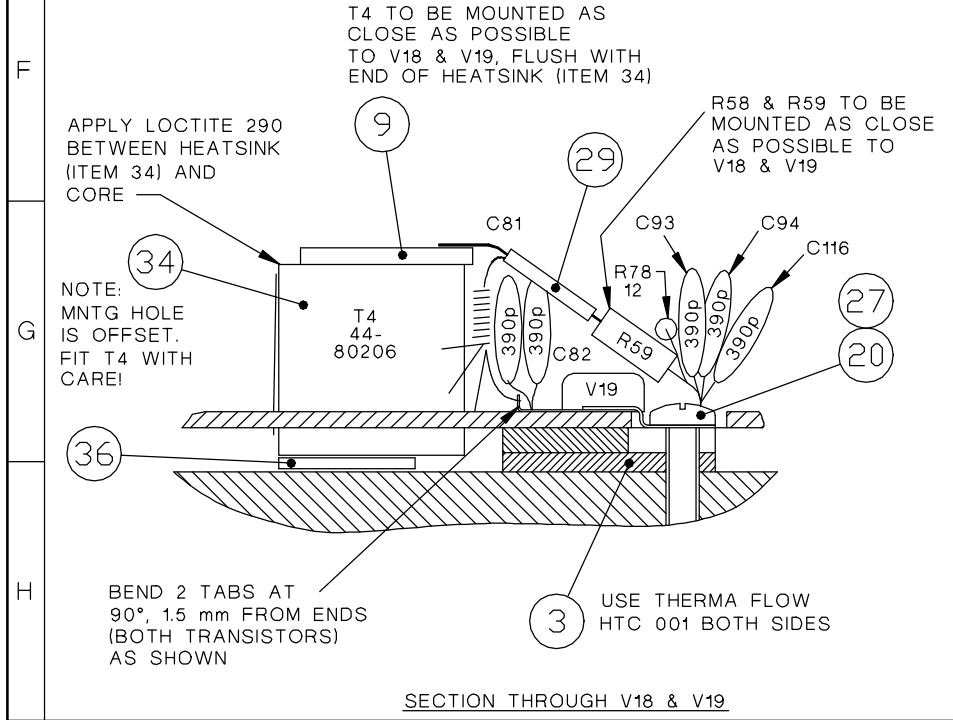
FILE NAME 08\03743A17.DWG

CODAN	SCALE	2:1	© CODAN PTY LTD, A.C.N. 007 590 605: 1997
	DRN	CF	
MATERIAL	CHKD	NJA	19-4-89
FINISH	APPD	NJA	14-9-89
TOLERANCES UNLESS OTHERWISE STATED		A1	08-03743
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR		ISS	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
DIMENSIONS IN mm			SHT. 1 OF 2

ASSY No.	TYPE
08-03743-001	8525/8528
08-03743-002	8727



PCB 07-01243 ISS. 10



- NOTES:
1. ALL DIODES ARE BAW62 OR EQUIV. UNLESS OTHERWISE STATED.
 2. L1, L24, L25, L29 ARE FERRITE BEADS.
 3. CAPACITORS SHOWN THUS ARE FOR DIFFERENT LEAD SPACINGS AND SIZE
 4. RESISTORS SHOWN ARE ±2%
 5. SECURE ALL INDUCTORS & TRANSFORMERS TO PCB USING EXPANDITE 88
 6. SECURE L29 TO WIRE USING EXPANDITE 88

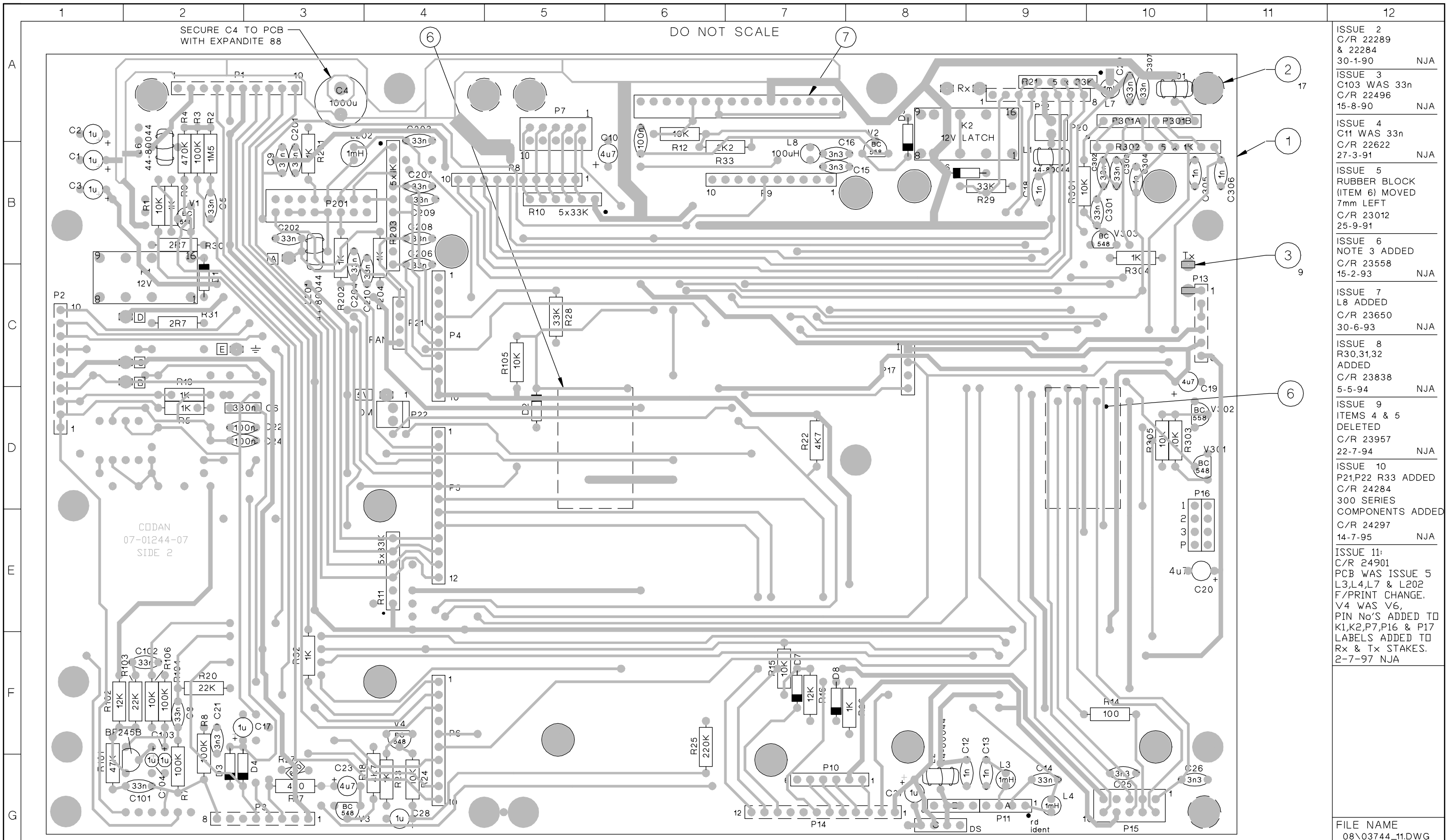
ISSUE B C105 WAS 33p C/R 21919 9-5-89 NJA	ISSUE C R79 WAS R77 C/R 22080 14-7-89 NJA	ISSUE D C81 & C82 WERE 330p C/R 22119 29-8-89 NJA	ISSUE 2 R80 WAS R78 R26 WAS 1K0 C/R 22151 15-11-89 NJA	ISSUE 3 C117 ADDED C36 WAS 120p C/R 22270 19-12-89 NJA	ISSUE 4 C118 ADDED VARIOUS COMPONENTS MOVED TO SUIT ALTERED TRACKING D11, D12 & C117 MOVED C/R 22304 27/3/90 NJA	ISSUE 5 R81 33K ADDED C/R 22442 26-4-90 NJA	ISSUE 6 R82 ADDED C118 CHANGED C/R 22464 23-8-90 NJA	ISSUE 7 R29 & R26 SWAP C/R 22538 27-8-90 NJA	ISSUE 8 R29 WAS 26 R30 WAS R29 R26 WAS R30 C/R 22622 27-3-91 NJA	ISSUE 9 NEW MOUNTING DETAIL FOR V15 C/R 22858 9-5-91 NJA	ISSUE 10 C116 CHANGED TO C119 C/R 23227 1-7-92 NJA	ISSUE 11 D18 ADDED C/R 23558 DIA FUSE WIRE CHANGED C/R 23497 16-2-93 NJA	ISSUE 12 ITEM 30 WAS 29 C/R 23681 9-8-92 NJA	FILE NAME 08\03743B17.DWG
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SCALE 2:1	DATE 12-10-88
DRN CF	19-4-89
APPD NJA	14-9-89
TOLERANCES UNLESS OTHERWISE STATED	
2 PLACES DEC.	
1 PLACE DEC.	
0 PLACE DEC.	
ANGULAR	

© CODAN PTY LTD, A.C.N. 007 590 605: 1997	
TITLE PA & FILTER PCB ASSY	
DRAWING/DOC NO. 08-03743	
ISS	SHT. 2 OF 2

ASSY No.	TYPE
08-03743-001	8525/8528
08-03743-002	8727



- ISSUE 2
C/R 22289
& 22284
30-1-90 NJA
- ISSUE 3
C103 WAS 33n
C/R 22496
15-8-90 NJA
- ISSUE 4
C11 WAS 33n
C/R 22622
27-3-91 NJA
- ISSUE 5
RUBBER BLOCK
(ITEM 6) MOVED
7mm LEFT
C/R 23012
25-9-91
- ISSUE 6
NOTE 3 ADDED
C/R 23558
15-2-93 NJA
- ISSUE 7
L8 ADDED
C/R 23650
30-6-93 NJA
- ISSUE 8
R30,31,32
ADDED
C/R 23838
5-5-94 NJA
- ISSUE 9
ITEMS 4 & 5
DELETED
C/R 23957
22-7-94 NJA
- ISSUE 10
P21,P22 R33 ADDED
C/R 24284
300 SERIES
COMPONENTS ADDED
C/R 24297
14-7-95 NJA
- ISSUE 11:
C/R 24901
PCB WAS ISSUE 5
L3,L4,L7 & L202
F/PRINT CHANGE.
V4 WAS V6,
PIN No'S ADDED TO
K1,K2,P7,P16 & P17
LABELS ADDED TO
Rx & Tx STAKES.
2-7-97 NJA

FILE NAME
08\03744_11.DWG

PCB 07-01244-07

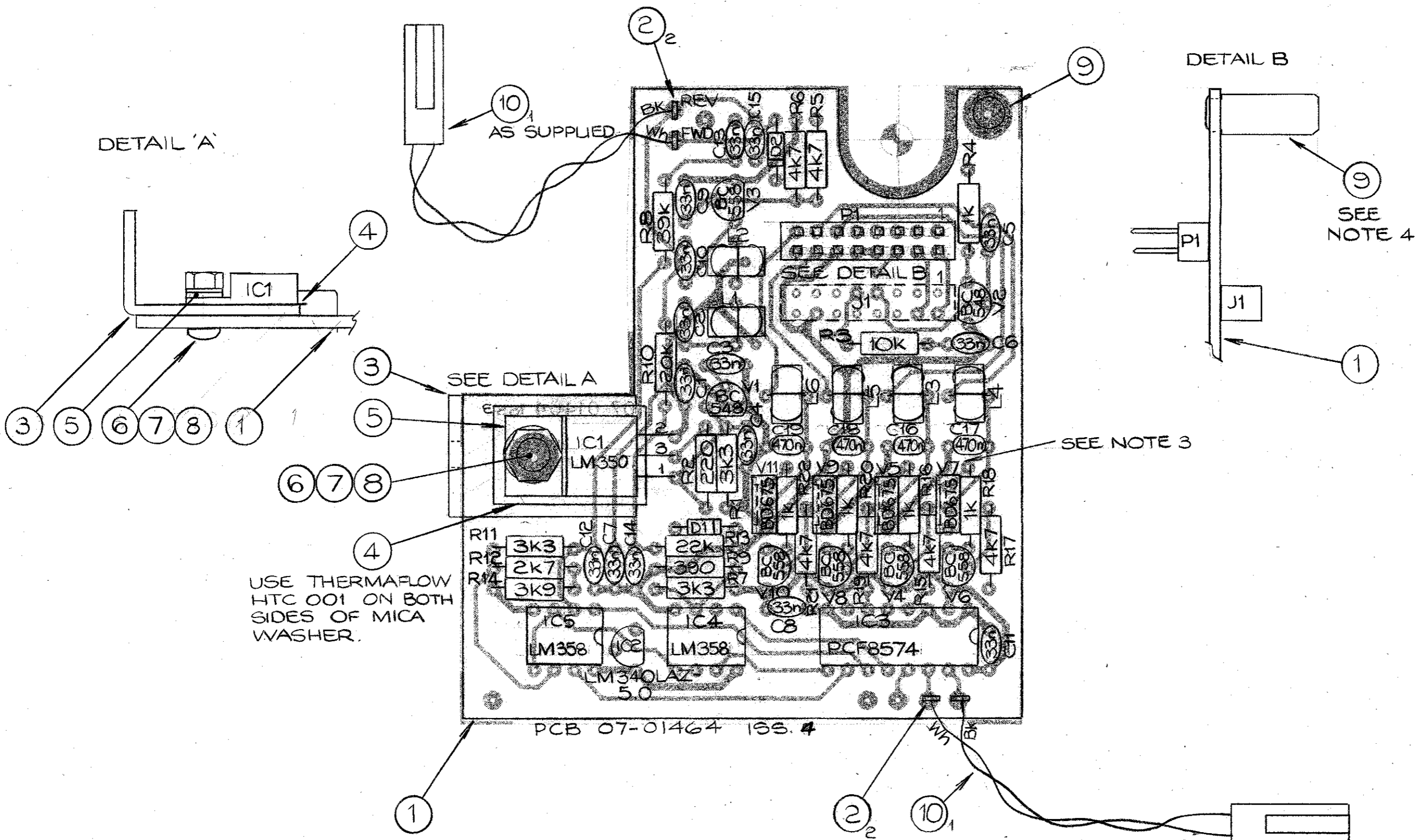
- NOTES.
1. ALL DIODES BAW62 OR EQUIV.
 2. ADHERE ITEMS (6) TO PCB WITH KWIKGRIP IN POSITIONS SHOWN.
 3. FIT A 470 OHM RESISTOR ACROSS R17 WHEN OPTION CB IS FITTED.

08-03744-001	AS DRAWN

	SCALE 2:1		© CODAN PTY LTD, A.C.N. 007 590 605: 1997 TITLE MOTHER BOARD
	DRN	CF	
MATERIAL	CHKD	NJA	DATE 19-4-89
FINISH	APPD	NJA	DATE 14-9-89
TOLERANCES UNLESS OTHERWISE STATED			DRAWING/DOC NO. A2 08-03744
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR			ISS 5 6 7 8 9 10 11
DIMENSIONS IN mm			SHT. 1 OF 1

DO NOT SCALE

ISSUE B
PCB WAS 155.1
C/R. 22879
18-6-91 *MH*



USE THERMAFLOW
HTC 001 ON BOTH
SIDES OF MICA
WASHER.

PCB 07-01464 155.4

NOTES:

1. DIODES, D1 & D2, ARE BAW62 OR EQUIVALENT.
2. INDUCTORS, L1-L6, ARE 44-80044.
3. TRANSISTORS, V5, V7, V9, V11 ARE FITTED SO METAL PLATE FACES REGULATOR, IC1
4. ITEM ⑨ SWAGED WITH DIE COMBINATION 7/PA

CUT CABLE TO 70mm
BEFORE FITTING

08-04285-001	AS DRAWN
ASSEMBLY NO	

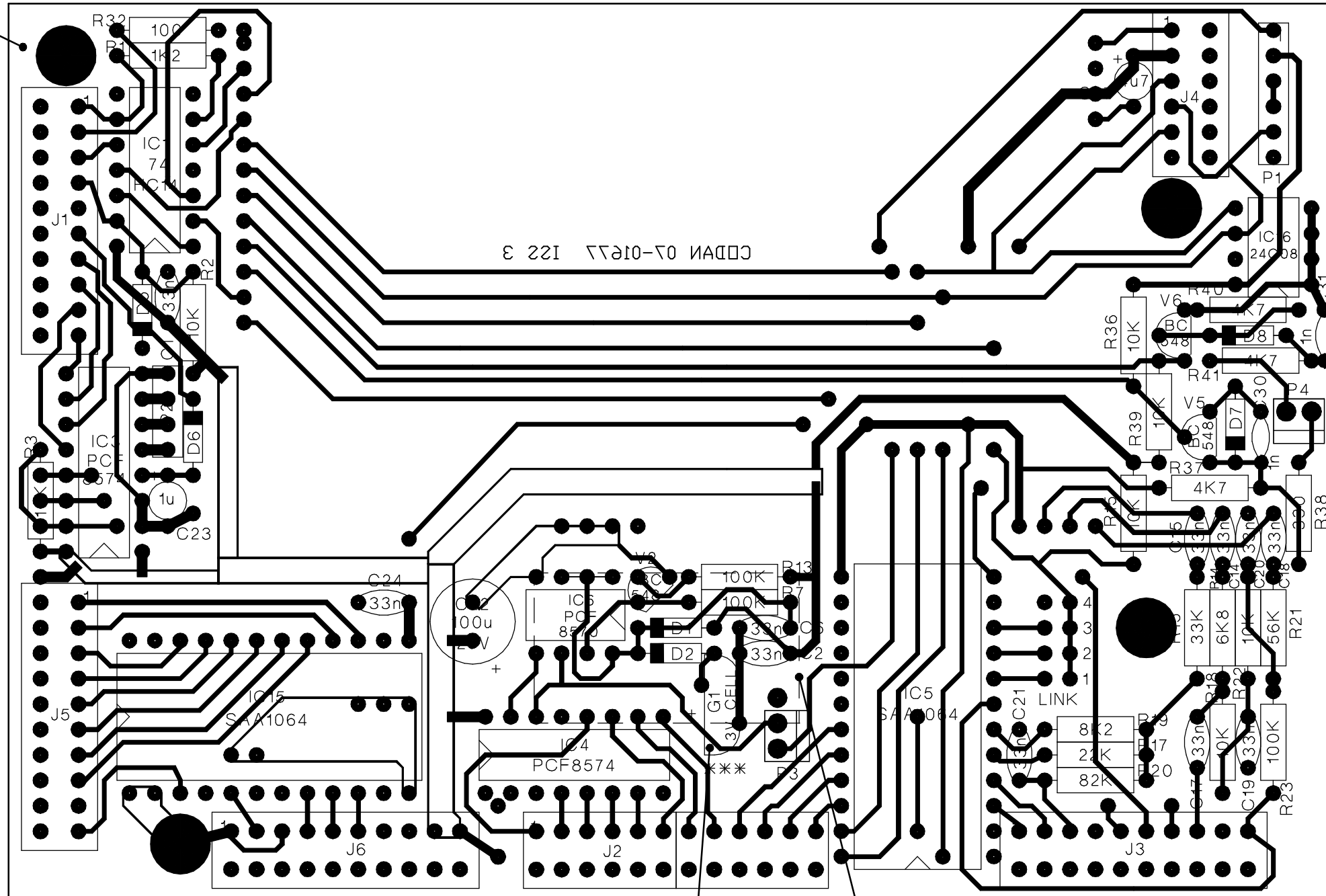
	SCALE 2:1		TITLE		COPYRIGHT © CODAN 19	
	DRN.	CG	DATE 13-9-90		ANTENNA DRIVER	
MATERIAL	CHKD.	<i>MH</i>	DATE 13-10-90		DRAWING / DOC NO.	
FINISH	APPD.	<i>BH</i>	DATE 19-10-95		A3 08-04285	
TOLERANCES UNLESS OTHERWISE STATED			ISS		SHT 1	
2 PLACES DEC ±			A/B		1 OF 1	
1 PLACE DEC ±						
ANGULAR ±						

283

400

DO NOT SCALE

21



CODAN 07-01677 122 3

PCB 07-01677 ISSUE 3

23

22

FILE NAME
08\05088_1.DWG

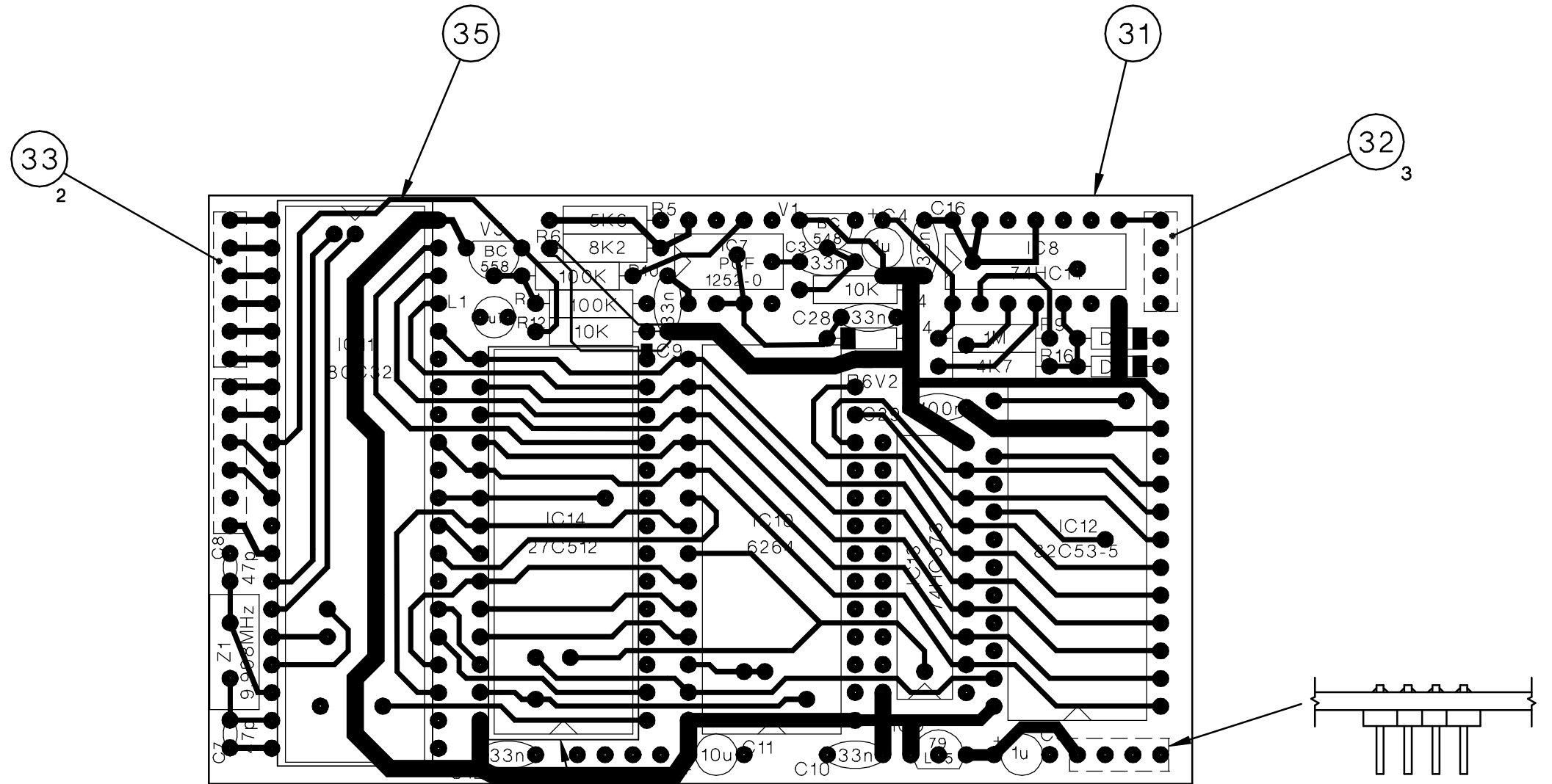
NOTES;

CAUTION

1. ALL DIODES BAW62 OR EQUIVALENT
2. xxx 3 VOLT CELL MUST BE FITTED LAST MANUALLY.
3. FIT ITEM (23) OVER G1.
4. FIT ITEM (22) UNDER PCB AS SHOWN.

	SCALE 2:1		© CODAN PTY LTD, A.C.N. 007 590 605: 1997	
	DRN	ILT	TITLE MICROPROCESSOR INTERFACE	
MATERIAL	CHKD	NJA	DRAWING/DOC NO. 08-05088	
FINISH	APPD	CM	A3	
	TOLERANCES UNLESS OTHERWISE STATED		ISS	
2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR		1		SHT. 1 OF 1

DO NOT SCALE



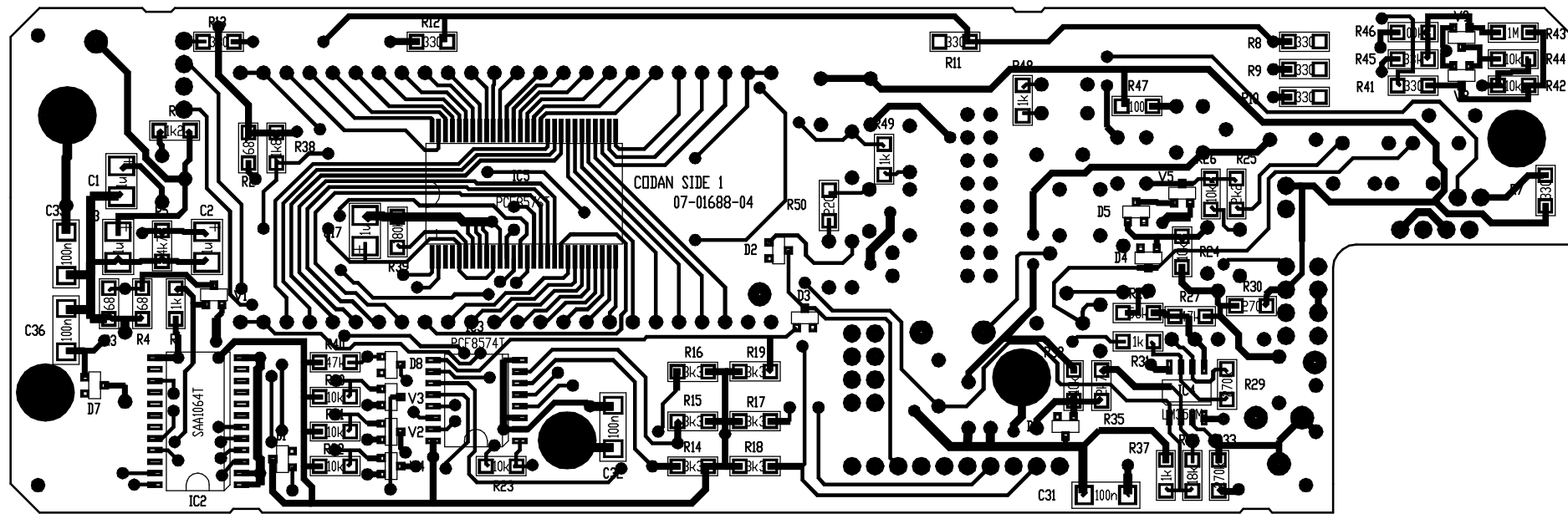
PCB 07-01242 ISS. 6

WAFERS MOUNTED
ON UNDERSIDE OF
PCB & TOP SOLDERED

WARNING
THIS ASSEMBLY CONTAINS
ELECTRO-STATIC SENSITIVE DEVICES

FILE NAME
08\05089_1.DWG

	SCALE		© CODAN PTY LTD, A.C.N. 007 590 605: 1997 TITLE MICROPROCESSOR ASSY.
	DRN	ILT	
MATERIAL	CHKD	NJA	21-3-94
FINISH	APPD	CM	1-6-94
	TOLERANCES UNLESS OTHERWISE STATED		DRAWING/DOC NO. 08-05089
2 PLACES DEC.		A3 ISS 1 REDRAWN	
1 PLACE DEC.			SHT. 1 OF 1
0 PLACE DEC.			
ANGULAR			



SIDE 1
SURFACE MOUNT COMPONENTS ONLY

- NOTES:-
 1. ALL DIODES ARE BAS16.
 2. ALL TRANSISTORS ARE BCX20.

PCB 07-01688-04
 ASSY P/No. 08-05113-001

CHANGE REQUEST

ISSUE 2
 R33 WAS 390K
 R36 WAS 10K
 C/R 24093
 NJA 16-11-94

ISSUE 3
 PCB WAS ISS. 1
 C/R 24227
 CM 10-07-95

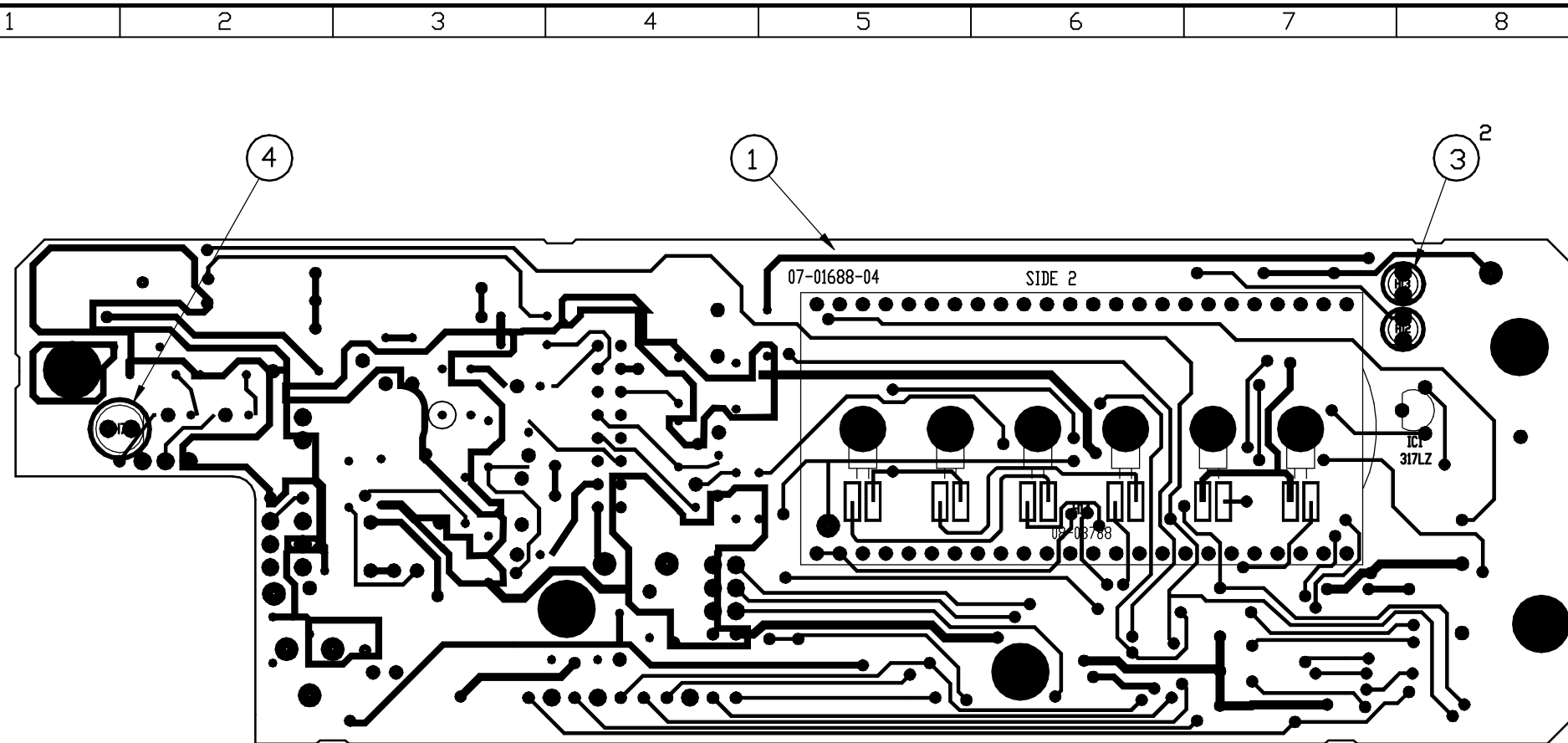
ISSUE 4
 REFER SHEET 2.
 C/R 24515
 CM 27-03-96

ISSUE 5
 R33 WAS 390k
 R36 WAS 10k
 C/R 24849
 BCL 19/2/97

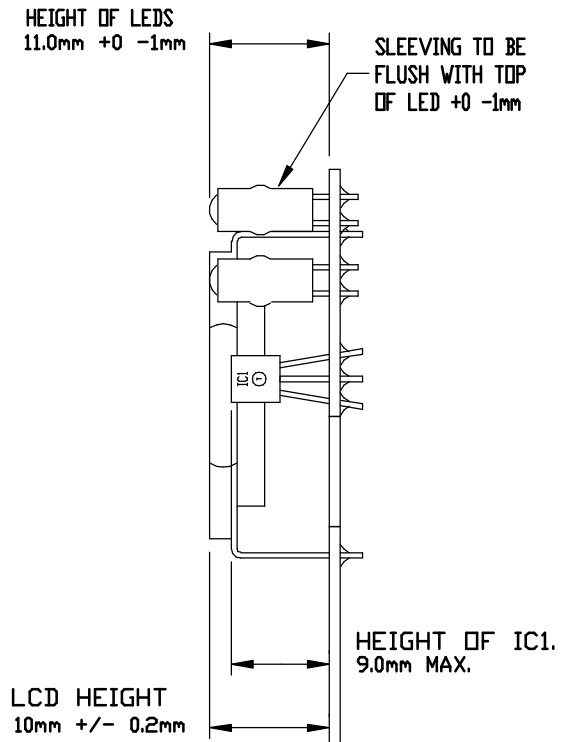
ISSUE 6
 REFER SHT 2
 C/R 24906
 NJA 26-02-98

FILE No.
 08\05113_6.DWG

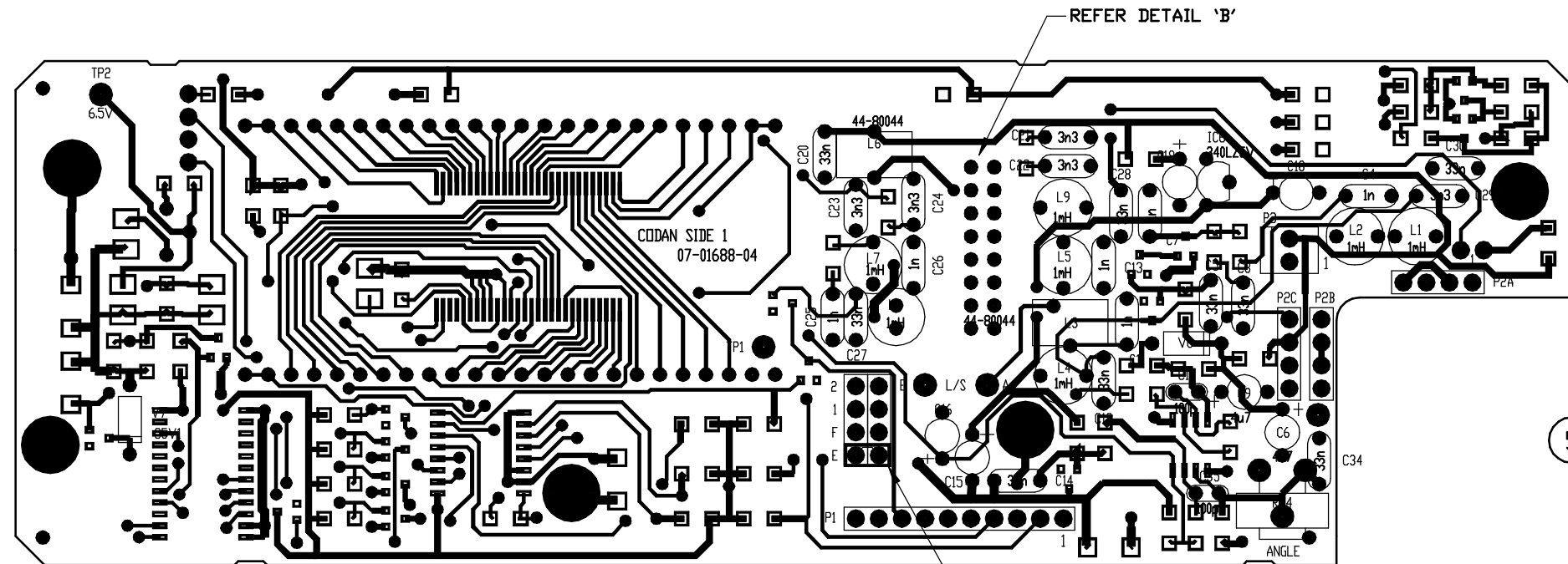
			SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605 1996 TITLE DISPLAY PCB ASSEMBLY	
	DRN	ILT	DATE 08-04-94		
MATERIAL	CHKD	NJA	30-05-94		
	APPD	CM	01-06-94	DRAWING/DOC NO.	
FINISH	TOLERANCES UNLESS OTHERWISE STATED			A2 08-05113	
	2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR			ISS 6	SHT. 1 OF 2



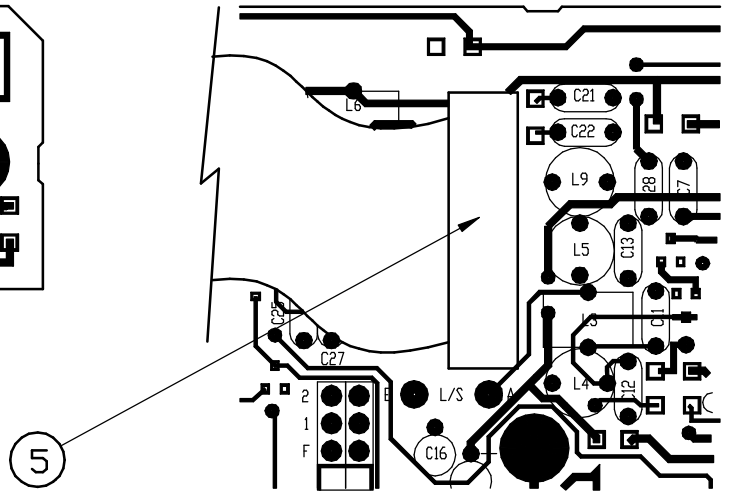
SIDE 2



DETAIL 'A'



SIDE 1



DETAIL 'B'

- NOTES:
ORDER OF ASSEMBLY MUST BE:-
- FIT ALL SURFACE MOUNT COMPONENTS.
 - FIT ALL OTHER COMPONENTS ON SIDE 1 (EXCEPT ITEM 5).
 - FIT H1-H6. ENSURE FILAMENT IS IN THE MIDDLE OF THE SILVER AREA AND THE LEADS DO NOT OVERHANG EDGE OF PADS.
 - INSPECTION
 - FIT DISPLAY H14 AS SHOWN.
 - FIT ALL LEDS WITH SLEEVE AS SHOWN.
 - FIT ITEM 5.
 - INSPECT DISPLAY.

PCB 07-01688-04
ASSY P/No. 08-05113-001

CHANGE REQUEST

ISSUE 2
R33 WAS 390K
R36 WAS 10K
C/R 24093
NJA 16-11-94

ISSUE 3
PCB WAS ISS. 1
C/R 24227
CM 10-07-95

ISSUE 4
ITEM 5 ADDED.
C/R 24515
CM 27-03-96

ISSUE 5
R33 WAS 390k
R36 WAS 10k
C/R 24849
BCL 19/2/97

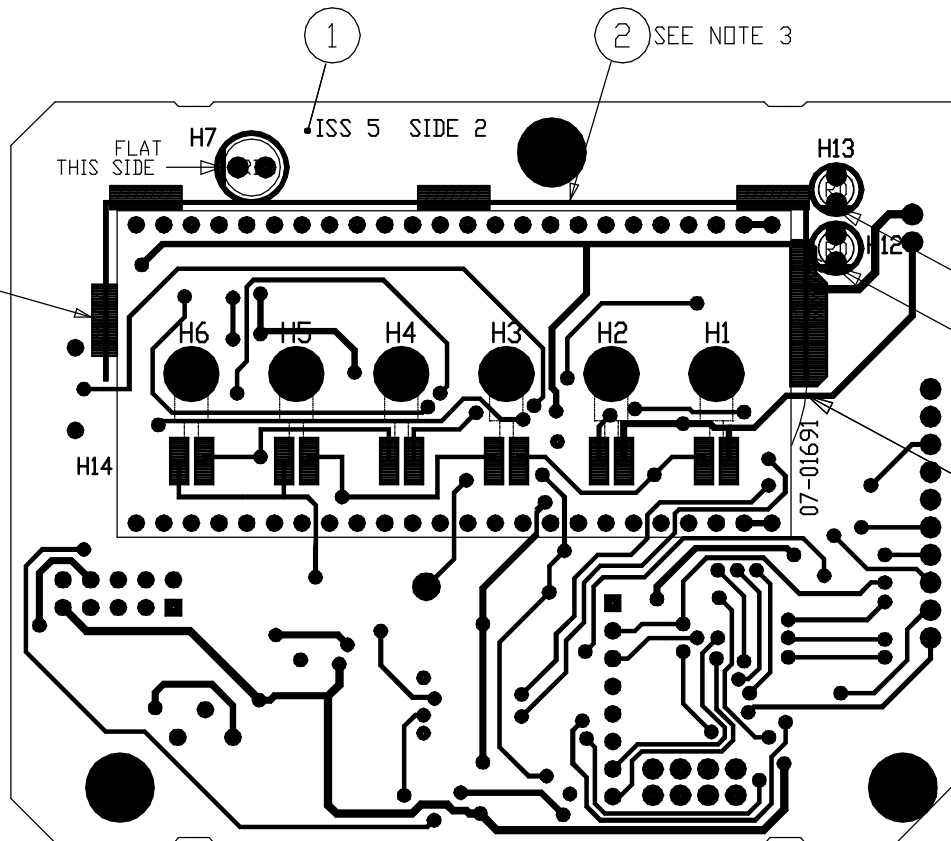
ISSUE 6
L1,L2,L4,L5,L7,
L8, L9 CHANGED
C/R 24906
NJA 26-02-98

FILE NAME
08\05113_6.DWG

	SCALE	2:1	© CODAN PTY LTD, A.C.N. 007 590 605 1996 TITLE DISPLAY PCB ASSEMBLY
	DRN	ILT	
MATERIAL	CHKD	NJA	30-05-94
	APPD	CM	01-06-94
FINISH	TOLERANCES UNLESS OTHERWISE STATED		DRAWING/DOC NO. 08-05113
	2 PLACES DEC. 1 PLACE DEC. 0 PLACE DEC. ANGULAR		
ISS			SHT. 2
6			OF 2

DO NOT SCALE

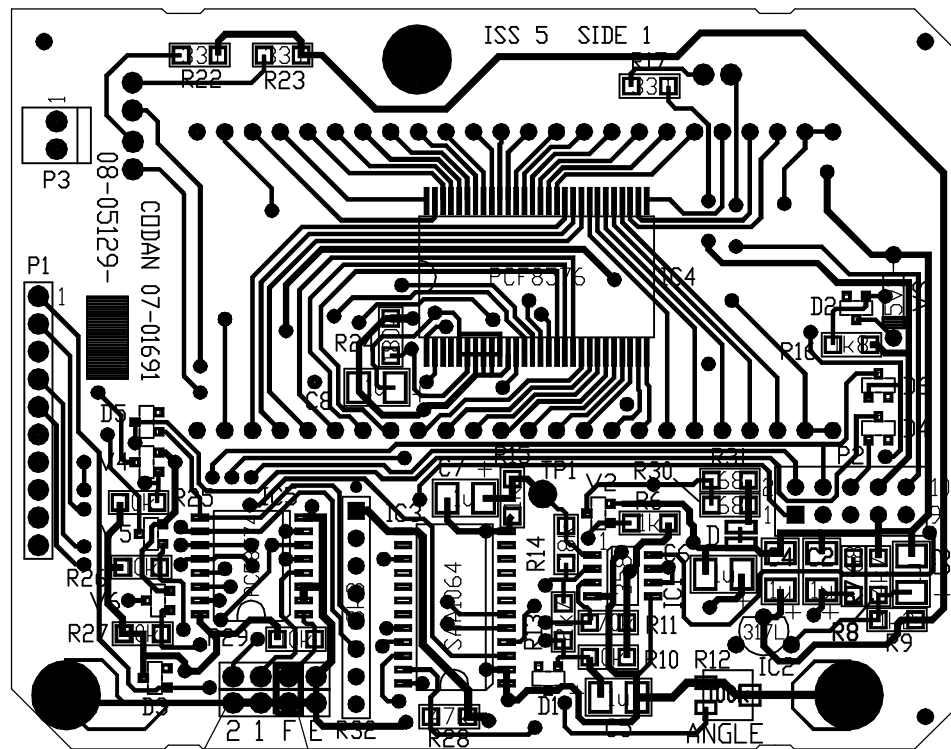
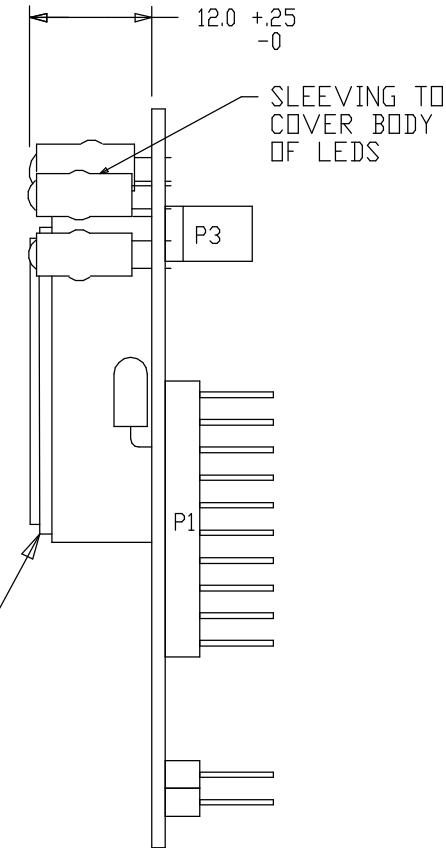
SOLDER TO SHIELD WHERE SHOWN.



SIDE 2

FLAT THIS SIDE
 FLAT THIS SIDE
 FIT H14 WITH IDENT MARK THIS END. SEE NOTE 3

ENSURE DISPLAY IS PARALLEL TO PCB



SIDE 1

4 x2
 5

- NOTES
1. ALL DIODES ARE BAS16 (A6).
 2. ALL TRANSISTORS ARE BCX20 (U2).
 3. ORDER OF ASSEMBLY MUST BE:-
 - A. FIT ALL SURFACE MOUNT COMPONENTS.
 - B. FIT H1-H6. ENSURE FILAMENT IS IN THE MIDDLE OF SILVER AREA.
 - C. FIT DISPLAY (H14) AS SHOWN.
 - D. FIT SHIELD (ITEM 2) AS SHOWN, ENSURING CLEARANCE TO ALL DISPLAY PINS.
 - E. FIT ALL OTHER COMPONENTS.

PCB 07-01691 ISSUE 5
 ASSEMBLY 08-05129-001

CHANGE REQUEST
ISSUE 2 R11 WAS 390k PCB WAS ISSUE 1 C/R 24093 NJA 16-11-94
ISSUE 3 C/R 24227 PCB WAS ISSUE 2 C.M 10-7-95
ISSUE 4 R12 FOOTPRINT CHANGED. PCB WAS ISSUE 4 C/R 24696 BCL 26-8-96

FILE No. 08\05129_4.DWG

	SCALE 2:1		© CODAN PTY LTD. A.C.N. 007 590 605: 1996	
	DRN	I.T	DATE	TITLE
MATERIAL	CHKD	NJA	8-8-94	DISPLAY BOARD LCD ASSEMBLY
FINISH	APPD	C.M	9-8-94	DRAWING/DOC NO.
	TOLERANCES UNLESS OTHERWISE STATED			A2
2 PLACES DEC. ±0.5			ISS 4	SHT. 1 OF 1
1 PLACE DEC. ±1				
0 PLACE DEC. ±2°				

DIMENSIONS IN mm

ISSUE B:
C/R 24875
C13 WAS C16.
NOTE 7 RE C182
(SOT) ADDED.
27.2.97

CAUTION V23 & V24
STATIC SENSITIVE

REFER NOTE 4

DETAIL A


FOLD WIRE BACK
FOR +VE SUPPLY
CONNECTION

XTAL (Z2)

SOLDER 26 GAUGE TCW
TO BODY OF CLIP
FOR GND CONNECTION


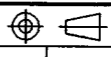
KINK

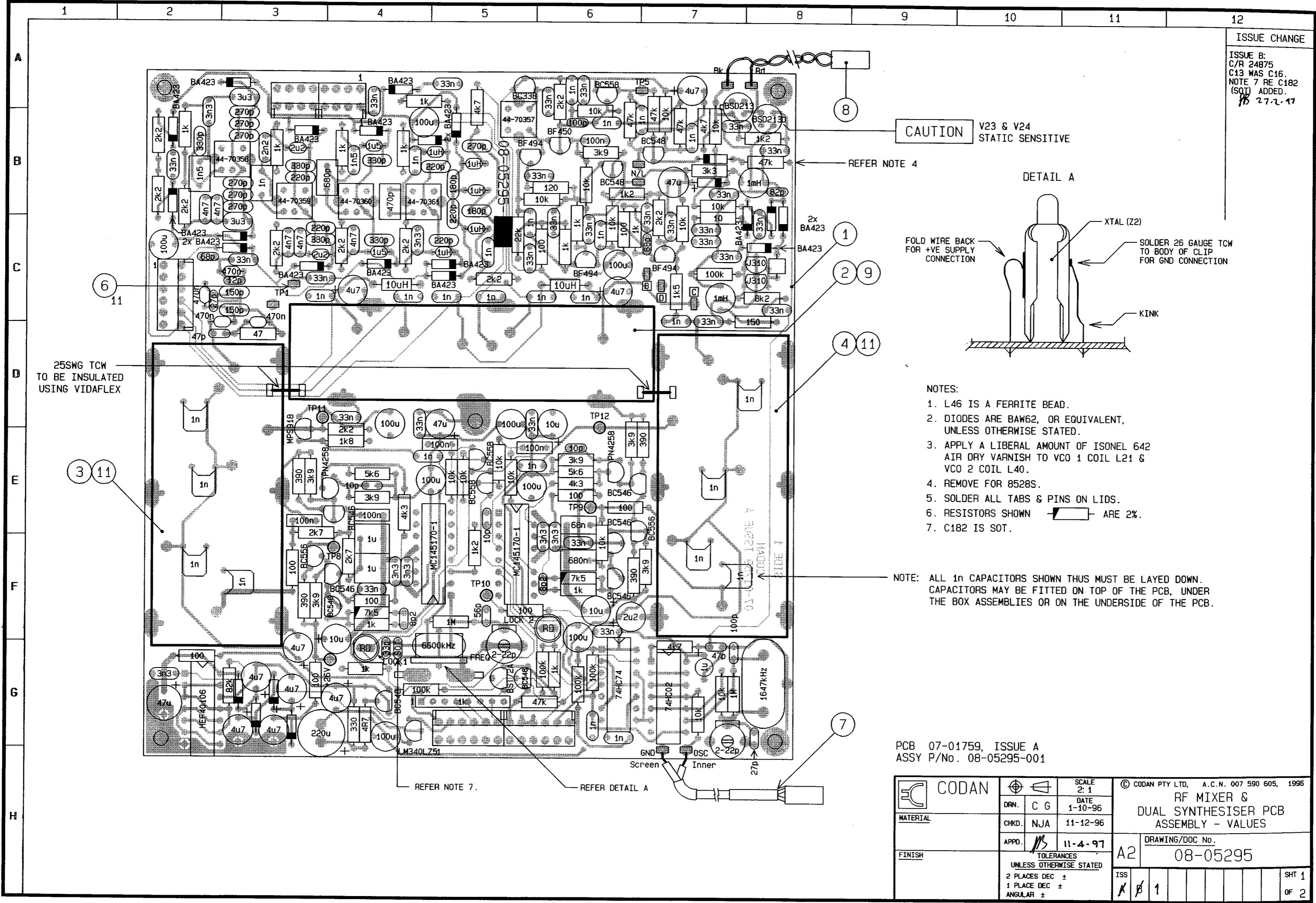
NOTES:

1. L46 IS A FERRITE BEAD.
2. DIODES ARE BAW62, OR EQUIVALENT, UNLESS OTHERWISE STATED.
3. APPLY A LIBERAL AMOUNT OF ISONEL 642 AIR DRY VARNISH TO VCO 1 COIL L21 & VCO 2 COIL L40.
4. REMOVE FOR 8528S.
5. SOLDER ALL TABS & PINS ON LIDS.
6. RESISTORS SHOWN  ARE 2%.
7. C182 IS SOT.

NOTE: ALL 1n CAPACITORS SHOWN THUS MUST BE LAYED DOWN. CAPACITORS MAY BE FITTED ON TOP OF THE PCB, UNDER THE BOX ASSEMBLIES OR ON THE UNDERSIDE OF THE PCB.

PCB 07-01759, ISSUE A
ASSY P/No. 08-05295-001

 CODAN	 SCALE 2:1	© CODAN PTY LTD, A.C.N. 007 590 605, 1996
	DRN. C G DATE 1-10-96	RF MIXER & DUAL SYNTHESISER PCB ASSEMBLY - VALUES
	CHKD. NJA DATE 11-12-96	DRAWING/DOC No. 08-05295
APPD. <i>MS</i> DATE 11-4-97	TOLERANCES UNLESS OTHERWISE STATED 2 PLACES DEC ± 1 PLACE DEC ± ANGULAR ±	A2 ISS 1 SHT 1 OF 2



25SWG TCW
TO BE INSULATED
USING VIDAFLEX

REFER NOTE 7.

REFER DETAIL A

7

4 11

2 9

1

8

6 11

3 11

A

B

C

D

E

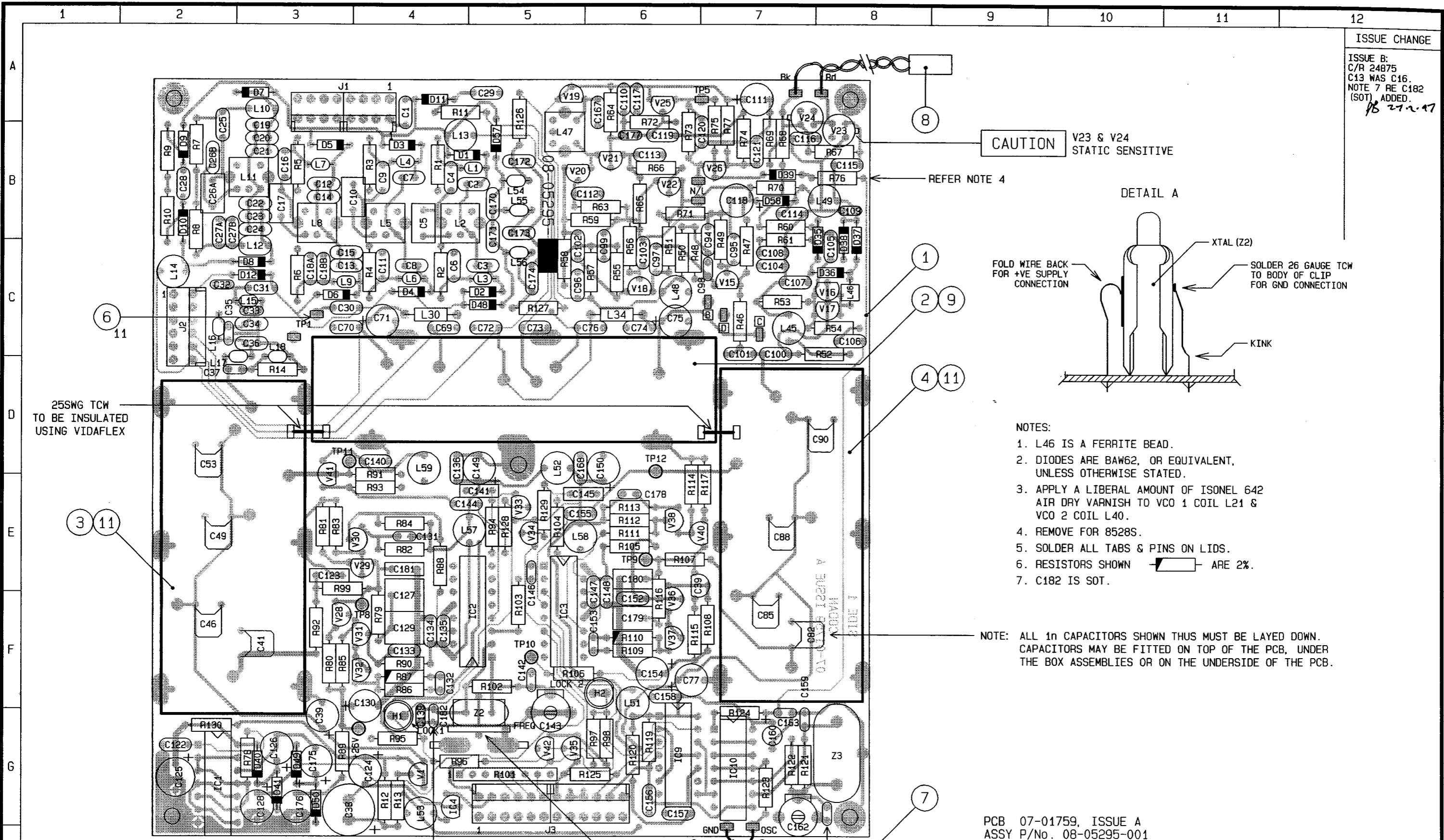
F

G

H

1 2 3 4 5 6 7 8 9 10 11 12

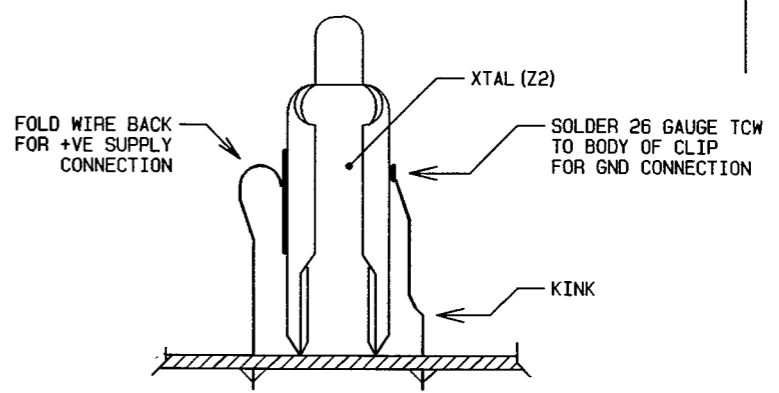
ISSUE B:
C/R 24875
C13 WAS C16.
NOTE 7 RE C182
(SOT) ADDED.
JB 27.2.97



CAUTION V23 & V24
STATIC SENSITIVE

REFER NOTE 4

DETAIL A



NOTES:

1. L46 IS A FERRITE BEAD.
2. DIODES ARE BAW62, OR EQUIVALENT, UNLESS OTHERWISE STATED.
3. APPLY A LIBERAL AMOUNT OF ISONEL 642 AIR DRY VARNISH TO VCO 1 COIL L21 & VCO 2 COIL L40.
4. REMOVE FOR 8528S.
5. SOLDER ALL TABS & PINS ON LIDS.
6. RESISTORS SHOWN ARE 2%.
7. C182 IS SOT.

NOTE: ALL 1n CAPACITORS SHOWN THUS MUST BE LAYED DOWN. CAPACITORS MAY BE FITTED ON TOP OF THE PCB, UNDER THE BOX ASSEMBLIES OR ON THE UNDERSIDE OF THE PCB.

PCB 07-01759, ISSUE A
ASSY P/No. 08-05295-001

	ORN.	C G	SCALE	2:1	© CODAN PTY LTD, A.C.N. 007 590 605, 1996 RF MIXER & DUAL SYNTHESISER PCB ASSEMBLY - REFERENCES DRAWING/DOC No. 08-05295
	CHKD.	NJA	DATE	1-10-96	
	APPD.	JB	DATE	11-4-97	
MATERIAL					A2 UNLESS OTHERWISE STATED 2 PLACES DEC ± 1 PLACE DEC ± ANGULAR ±
FINISH					
				ISS	1 SHIT 2 OF 2

DO NOT SCALE

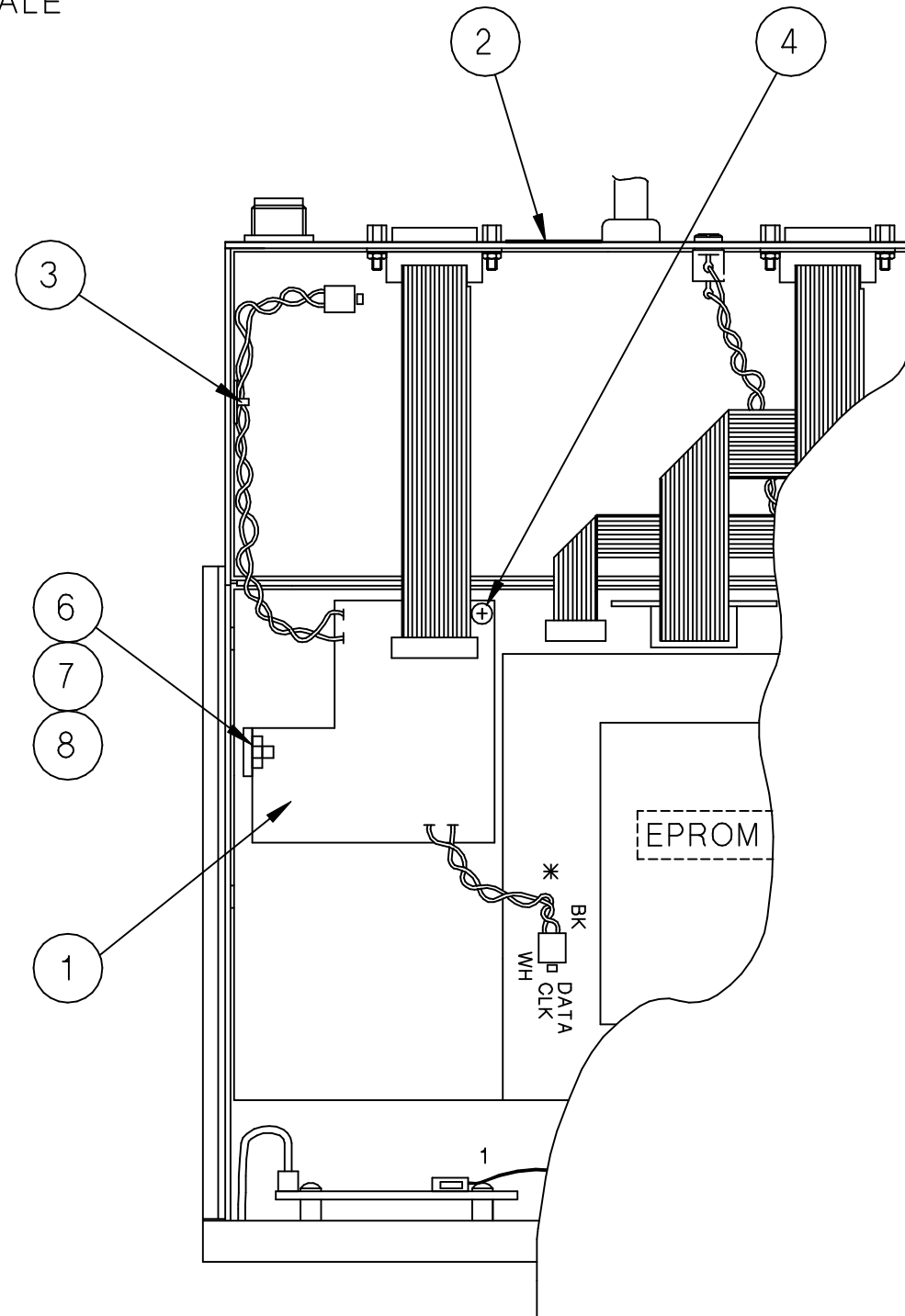
ITEM	PART No.	DESCRIPTION
1	08-04285-001	ANTENNA DRIVER PCB
2	06-01453	LABEL, WARNING
3	30-05102-001	CLAMP, CABLE ADHESIVE
4	31-23020-580	SCREW, M3x20

ISSUE 1
NOTE 2 CHANGED
ITEM 5 DELETED.
C/R 23769
CM 1-11-93

NOTES:

1. REMOVE BOTTOM COVER.
2. IF REQUIRED FIT TWO PIN CONNECTOR *(PART No. 60-00020-260 NOT SUPPLIED) TO THE μ P ASSY - NOTE CORRECT ORIENTATION.
3. REMOVE (ITEMS 6,7&8) AND UNPLUG 16 WAY RIBBON CONNECTOR FROM MOTHERBOARD. REMOVE SCREW FROM MOTHERBOARD SO (ITEM 4) MAY BE FITTED.
4. PLUG (ITEM 1) INTO P201 MAKING SURE THAT THE PINS ENGAGE CORRECTLY.
5. REPLACE (ITEMS 6,7&8) AND FIT (ITEM 4).
6. PLUG 16 WAY RIBBON CABLE INTO (ITEM 1) AND PLUG THE TWO WAY CABLES * INTO THE PA AND μ P PCB AS SHOWN.
7. FIT ADHESIVE CLIP (ITEM 3) AS SHOWN AND SECURE CABLE.
8. CHECK THAT THE SOFTWARE IS ISSUE 3 OR GREATER.
9. FIT WARNING LABEL (ITEM 2) OVER ANTENNA CONTROL ON REAR PANEL.
10. REPLACE BOTTOM COVER.

* IF NECESSARY THE WIRES OF THE SHORT TWISTED PAIR CAN BE SOLDERED DIRECTLY TO THE PCB (BK = DATA WH = CLK)



FILE No.
15\10384__1.DWG

DIMENSIONS IN mm

			SCALE NTS	© CODAN PTY LTD, A.C.N. 007 590 605: 2000			
	DRN	APJ	DATE 15-11-90	TITLE OPTION AD FITTING INSTRUCTIONS			
	CHKD	NJA	15-11-90				
MATERIAL	APPD	CM	1-11-93	DRAWING/DOC NO. A3 15-10384-001			
FINISH	TOLERANCES UNLESS OTHERWISE STATED						
			2 PLACES DEC.	SHT. 1 OF 1			
			1 PLACE DEC. ±0.5				
			0 PLACE DEC. ±1				