

FIT BEAD OVER CENTRE WIRE OF T2 (L2)

L7 INDUCTOR TO SIT FLUSH ON PCB SURFACE SECURE WITH JET MELT 3748 SHORT LEAD THIS SIDE

FIT SHIELD AT PCB TEST (3)

SECURE TO L8 WITH RTV (14)

REFER NOTE 3 (15)

(12)

(9)

NO HEATSINK COMPOUND REQUIRED (7, 6)

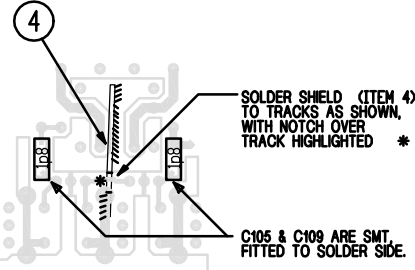
(5)

FITTED TO SOLDER SIDE SEE DETAIL A (4)

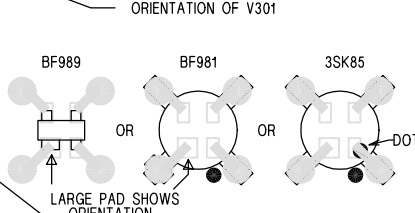
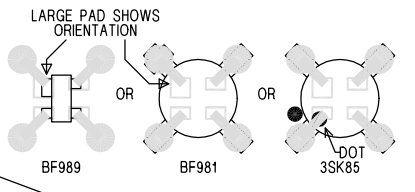
C105 & C109 ARE FITTED TO SIDE FIT AT POST WAVE SOLDER

Z1 & Z2 MATCHED PAIR BLACK DOTS MUST FACE EACH OTHER (2)

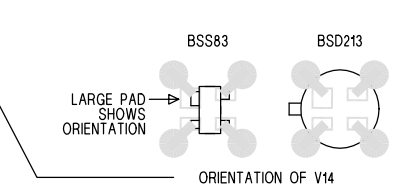
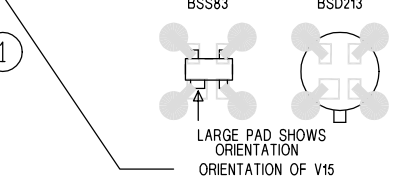
V14 & V15 ARE STATIC SENSITIVE (8)



DETAIL "A" (FIT AT PCB TEST)



ORIENTATION OF V301
BF981 IS FITTED TO 4 HOLES. NOTE ORIENTATION - REFER DETAIL. LEADED VERSION OF 3SK85 IS FITTED TO 4 THRU HOLES, MATCHING DOTS.
SMT VERSION OF 3SK85 IS SOLDERED OVER 4 THRU HOLE PADS, MATCHING DOTS.
BF989 IS FITTED TO SMT PADS. NOTE ORIENTATION - REFER DETAIL.
V301 & V302 FITTED AT PREPARATION IF LEADED ALTERNATIVE IS NOT AVAILABLE.



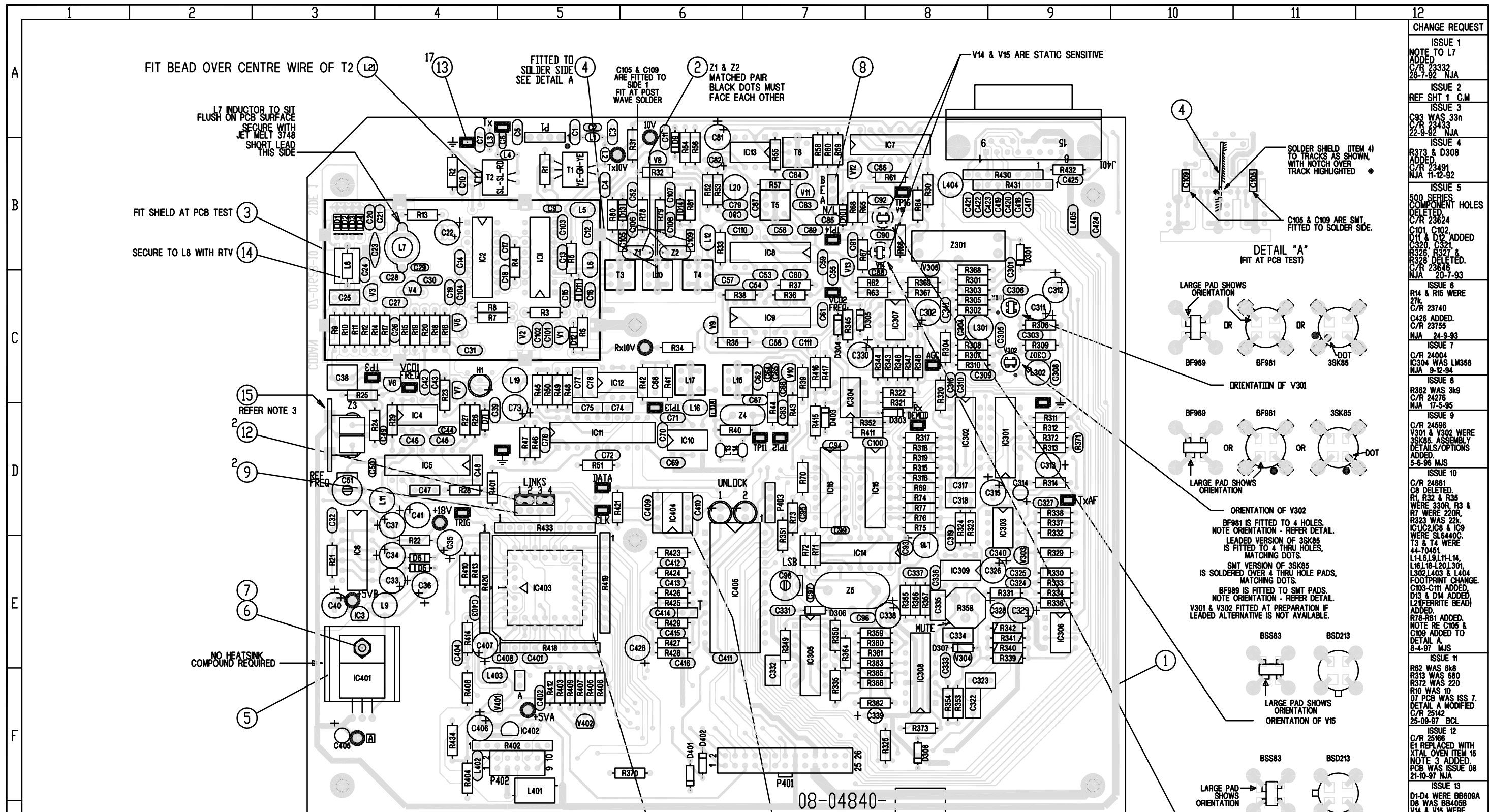
BSD213 IS FITTED TO 4 HOLES, BEND EACH LEAD OUTWARDS 0.5mm TO FIT. NOTE ORIENTATION - REFER DETAIL.
BSS83 IS FITTED TO SMT PADS. NOTE ORIENTATION - REFER DETAIL.
V14 & V15 FITTED AT PREPARATION IF LEADED ALTERNATIVE IS NOT AVAILABLE.

- NOTES:-**
- THESE RESISTORS ARE 2% TOLERANCE.
 - ALL DIODES ARE BAW62 OR EQUIVALENT UNLESS OTHERWISE STATED.
 - TO FIT CRYSTAL OVEN ASSEMBLY:
 - APPLY ONE LAYER OF KAPTON TAPE (ITEM 16) TO THE TOP OF CRYSTAL(Z3). DO NOT COVER SIDES.
 - APPLY THERMA FLOW COMPOUND TO THE TEMPERATURE SENSOR(R3) AND THE TOP AND SIDES OF THE CRYSTAL, THEN SLIDE INTO OVEN ASSY(ITEM 15). ENSURE THE CRYSTAL IS NOT LOOSE IN THE METAL CLIP AND THE TOP OF CRYSTAL IS TOUCHING THE TEMPERATURE SENSOR.
 - FIT THE OVEN & CRYSTAL ASSY ON TO PCB AND SOLDER.

PCB 07-01623-10
ASSY P/No. 08-04840-001

CODAN		SCALE 2:1	CODAN PTY LTD A.C.N.007 590 605. 1992	
DRN. NJA	I.T.	DATE 8-4-92	RECEIVER/EXCITER ASSEMBLY	
CHKD. NJA	APPR. NJA	DATE 17-6-92	DRAWING/DWG. No.	
FINISH		TOLERANCES UNLESS OTHERWISE STATED	A1 08-04840	
2 PLACES DEC		ISS 11 12 13 14		SHT 1
1 PLACE DEC				DF 2
ANGULAR				

CHANGE REQUEST
ISSUE 1 NOTE TO L7 ADDED C/R 23332 28-7-92 NJA
ISSUE 2 REF SHIT 1 C.M
ISSUE 3 C93 WAS 33n C/R 23433 22-9-92 NJA
ISSUE 4 R373 & D308 ADDED C/R 23491 NJ 11-12-92
ISSUE 5 500 SERIES COMPONENT HOLES DELETED. C/R 23624 C101, C102, D11 & D12 ADDED C320, C321, R326, R327 & R328 DELETED. C/R 23646 NJ 20-7-93
ISSUE 6 R14 & R15 WERE 27k. C/R 23740 C426 ADDED. C/R 23755 NJ 24-9-93
ISSUE 7 C/R 24004 IC304 WAS LM358 NJ 9-12-94
ISSUE 8 R362 WAS 3k9 C/R 24276 NJ 17-5-95
ISSUE 9 C/R 24596 V301 & V302 WERE 3SK85. ASSEMBLY DETAILS/OPTIONS ADDED. 5-6-96 MJS
ISSUE 10 C/R 24881 C8 DELETED. R1, R32 & R35 WERE 330R, R3 & R7 WERE 220R, R23 WAS 22k, IC1, IC2, IC8 & IC9 WERE SL6440C. T3 & T4 WERE 44-70451, L1-L6, L9, L11-L14, L16-L18-L20-L30, L302, L403 & L404 FOOTPRINT CHANGE. C103-C111 ADDED. D13 & D14 ADDED. L21(FERRITE BEAD) ADDED. R78-R81 ADDED. NOTE RE C105 & C109 ADDED TO DETAIL A. 8-4-97 MJS
ISSUE 11 R62 WAS 6k8 R313 WAS 680 R372 WAS 220 R10 WAS 10 07 PCB WAS ISS 7. DETAIL A MODIFIED C/R 25142 25-09-97 BCL
ISSUE 12 C/R 25166 E1 REPLACED WITH XTAL OVEN ITEM 15 NOTE 3 ADDED. PCB WAS ISSUE 08 21-10-97 NJA
ISSUE 13 D1-D4 WERE BB609A D8 WAS BB405B V14 & V15 WERE BSD213. VIEWS OF V14 & V15 ADDED. PCB WAS ISS -09 C/R 25951 GW 4-3-99
ISSUE 14 R422 DELETED C/R26775 NJ 9-11-00
FILE NAME 07\01623_10



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PCB 07-01623-10
ASSY P/No. 08-04840-001

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DRN	I.T	DATE 8-4-92	RECEIVER/EXCITER ASSEMBLY	
CHKD	NJA	17-6-92	DRAWING/DOC NO. 08-04840	
APPD	NJA	30-7-92	ISS 11 12 13 14	
FINISH		TOLERANCES UNLESS OTHERWISE STATED 2 PLACES DEC 1 PLACE DEC ANGULAR	SHT 2 OF 2	

- CHANGE REQUEST
- ISSUE 1
NOTE TO L7
ADDED
C/R 23332
28-7-92 NJA
 - ISSUE 2
REF SHT 1 C.M
 - ISSUE 3
C83 WAS 33n
C/R 23433
22-9-92 NJA
 - ISSUE 4
R373 & D308
ADDED
C/R 23491
NJA 11-12-92
 - ISSUE 5
500 SERIES
COMPONENT HOLES
LETED
C/R 23624
C101, C102,
D11 & D12 ADDED
C320, C321,
R326, R327 &
R328 DELETED.
C/R 23646
NJA 20-7-93
 - ISSUE 6
R14 & R15 WERE
27k
C/R 23740
C426 ADDED.
C/R 23755
NJA 24-9-93
 - ISSUE 7
C/R 24004
IC304 WAS LM358
NJA 9-12-94
 - ISSUE 8
R362 WAS 3k9
C/R 24276
NJA 17-5-95
 - ISSUE 9
C/R 24596
V301 & V302 WERE
3SK85. ASSEMBLY
DETAILS/OPTIONS
ADDED.
5-8-96 MJS
 - ISSUE 10
C/R 24881
C8 DELETED.
R1 R32 & R35
WERE 330R. R3 &
R7 WERE 220R.
R323 WAS 22k.
IC1, IC2, IC8 & IC9
WERE SL6440C.
T3 & T4 WERE
44-70A51.
L1-L6, L11-L14,
L16-L18, L20, L301,
L302, L403 & L404
FOOTPRINT CHANGE.
C103-C111 ADDED.
D13 & D14 ADDED.
L21 (FERRITE BEAD)
ADDED.
R78-R61 ADDED.
NOTE RE C105 &
C109 ADDED TO
DETAIL A.
8-4-97 MJS
 - ISSUE 11
R62 WAS 6k8
R313 WAS 680
R372 WAS 220
R10 WAS 10
07 PCB WAS ISS 7.
DETAIL A MODIFIED
C/R 25142
25-09-97 BCL
 - ISSUE 12
C/R 25166
E1 REPLACED WITH
XTAL OVEN ITEM 15
NOTE 3 ADDED.
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 - ISSUE 13
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OF V14 & V15
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GW 4-3-99
 - ISSUE 14
R422 DELETED
C/R 26776
NJA 9-11-00

