

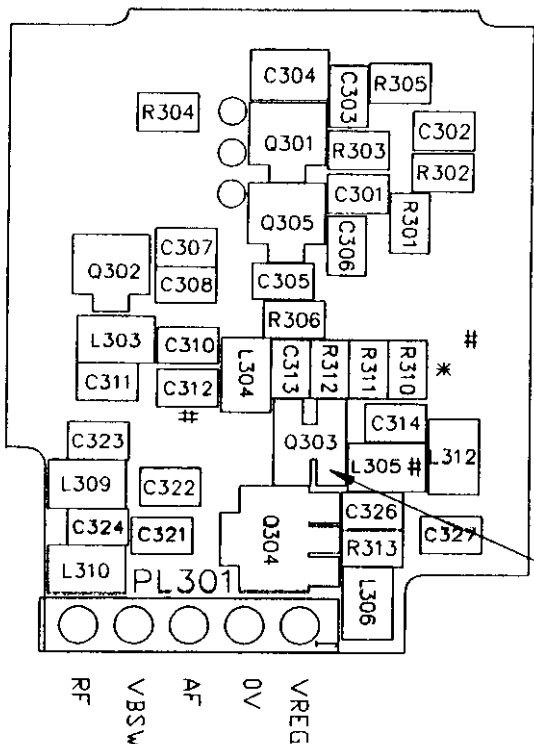
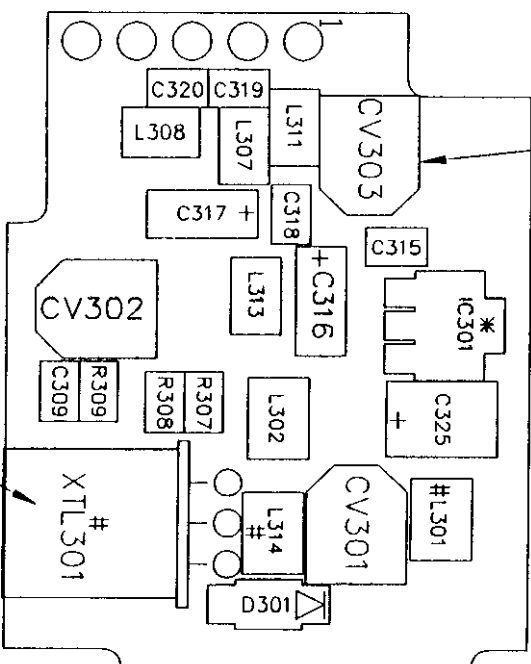
Latest Drg Issue :- 110 Date:-

ISS	Origin	Drrr
10A	EDC1681 PCB ISS-5	CLPR
11	EDC1714 PCB ISS-5	PHSS
11A	DD	CGP

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VREG
OV
AF
VBSW
RF

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Finish.

**BLICK
COMMUNICATIONS**
15 Coflon Rd. Exeter, EX2
T/p: 01392-204100. Fax: 01392-
Material.

Drn.C.I.CURGENYEN Date.14.7.9

D.D Cr'kd ~~SS~~ Date 23-7-

O.A Chkd. (R.S.N) Date. 4-8



Projection 3rd Angle

Tolerance	Photo S&Rpt.
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Unless Otherwise	Rad.Hole Posn.

Stated	Linear
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Scale: 4 : 1	Dims in: in:
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Do not scale from drawing

Used on: GBH, GPM, APC4, APC5,

LCU, GBR & DG600

Title:

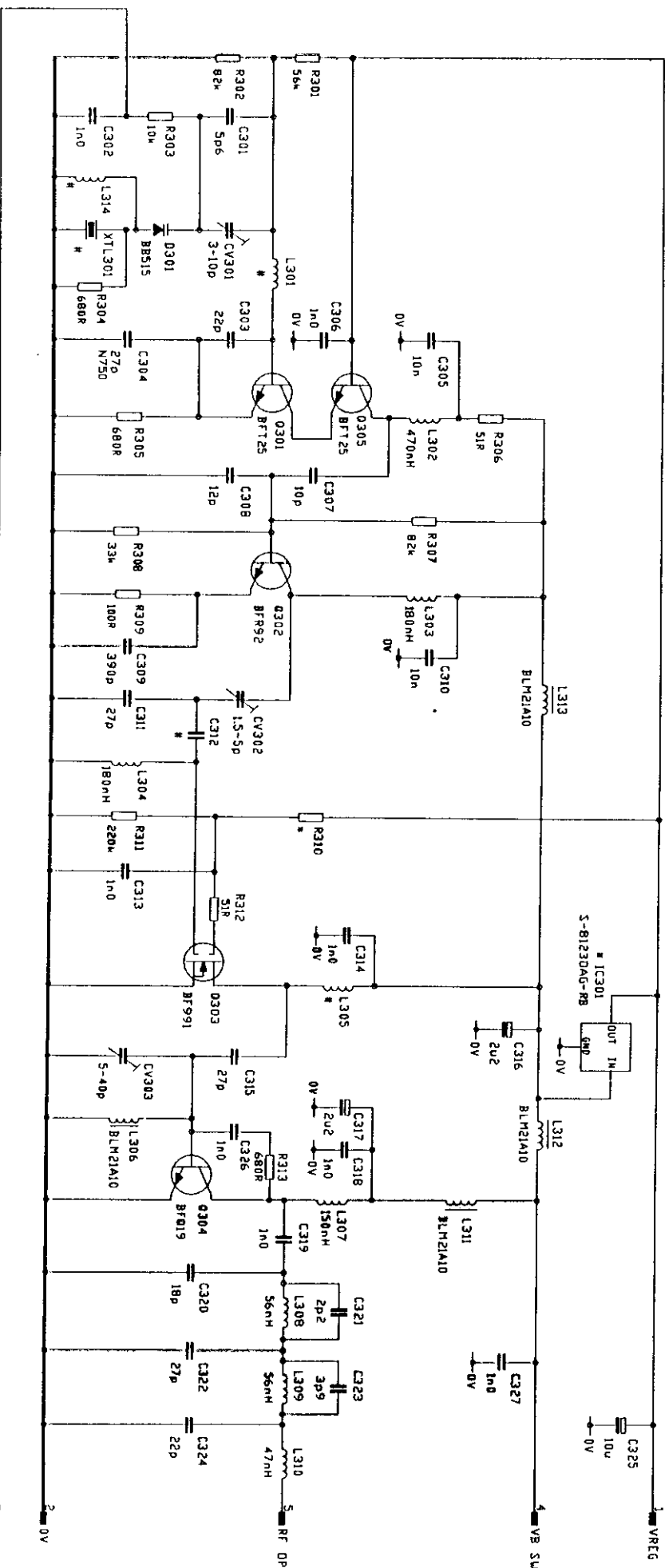
PCB ASSEMBLY 010557

VHF low power transmitters

= FREQUENCY DEPENDANT

**=BUILD DEPENDANT				
FOR USE ON BOARD	IC301	IC310	IC310	IC310
010559	PRE ISS-6	FIT	180K	120K
	ISS-7 ON	DMT	120K	
010663	PRE ISS-4	FIT	180K	120K
	ISS-5 ON	DMT	120K	
011022	PRE-5	DMT	120K	120K
011048	ALL	DMT	120K	120K
011054	ALL	DMT	120K	120K
011114	ALL	DMT	120K	120K
011147	ALL	DMT	120K	120K
011252	ALL	DMT	120K	120K

CIRC REF	VALUE	PT.ND.	VALUE	PT.ND.	VALUE	PT.ND.						
	142	-	154.99	MHZ	155	-	164.99	MHZ	165	-	174.00	MHZ
XLL301	ARD	010558-ARD	ARD	010558-ARD	ARD	010558-ARD						
L301	820nH	537066	820nH	537066	680nH	537065						
L302	56nH	537058-001	47nH	537051	47nH	537051						
C312	36pF	272002	1p8	272004	1p8	272004						
L314	680nH	537065	330nH	537061	330nH	537061						



= FREQUENCY DEPENDANT

* = BUILD DEPENDANT

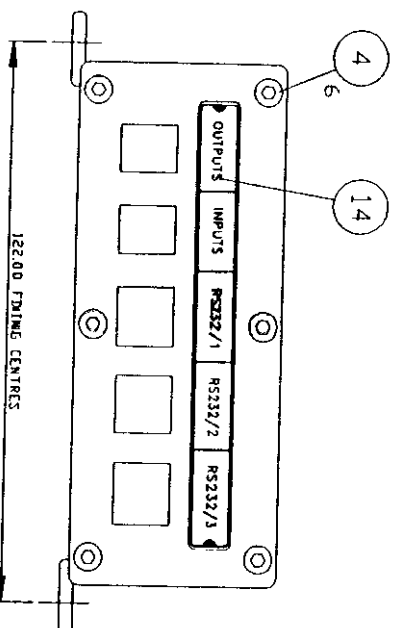
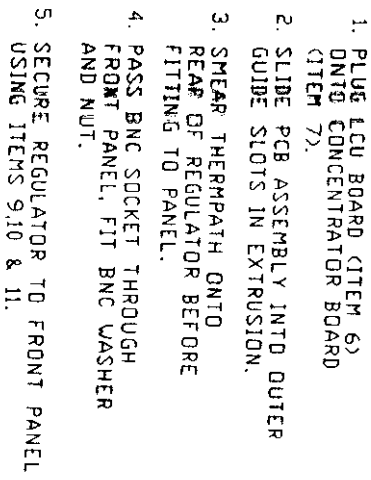
REF	VALUE	PT.ND.	VALUE	PT.ND.	VALUE	PT.ND.
CIRC	142 - 154.99 MHz	ISS - 164.99 MHz	165 - 174.00 MHz			
XTL301	ARD	010558-ARD	010558-ARD	010558-ARD		
L301	820nH	537066	820nH	537066	680nH	537065
L305	56nH	537052-001	47nH	537051	47nH	537051
C312	3p9	272008	1p8	272004	1p8	272004
C314	680nH	537065	330nH	537061	330nH	537061

FOR USE ON BOARD IC301 R310	
010559	PRE-155-6 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
010663	PRE-155-4 EIT 180K
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010663	PRE-155-4 EIT 180K

DRAWING ISSUE STATE Lotest Drg Issue - 100 Date - 3.7.98 Do not scale from drawing Material: 15 Cotton Rd. Exeter. EX2 80W. T/P:01392-204100. Fax:01392-204170

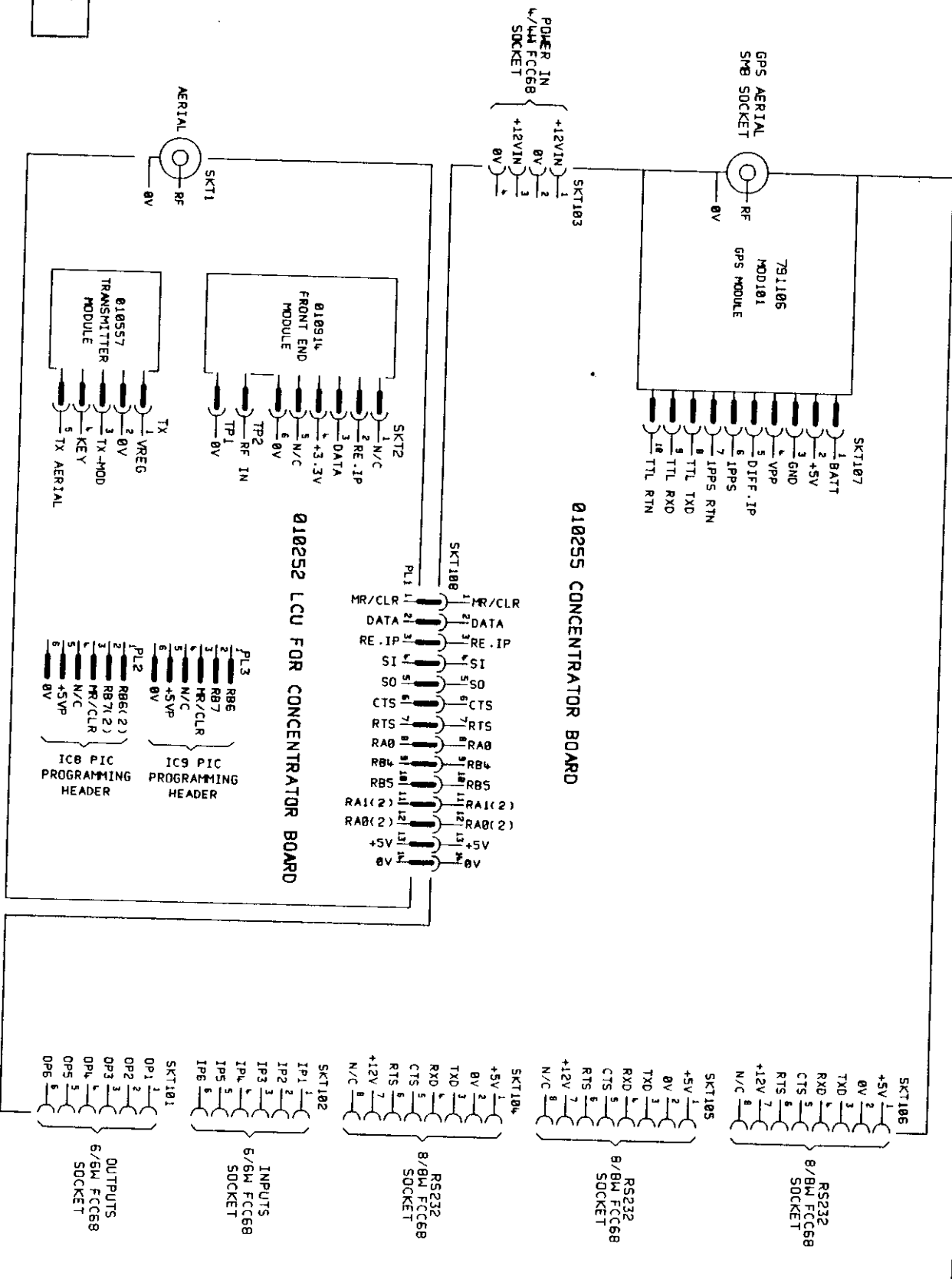
BLICK COMMUNICATIONS Ltd. 15 Cotton Rd. Exeter. EX2 80W. T/P:01392-204100. Fax:01392-204170

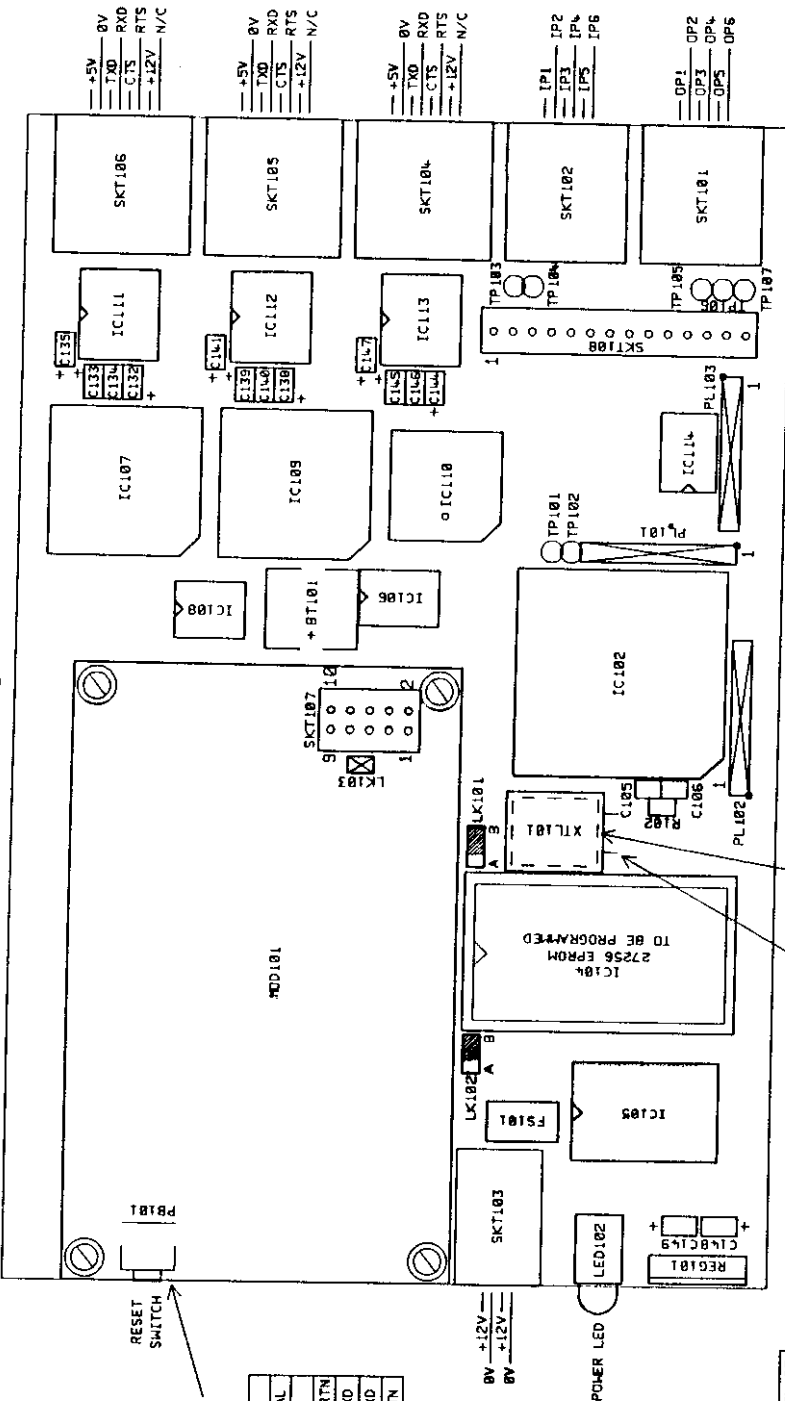
BLICK COMMUNICATIONS Ltd. 15 Cotton Rd. Exeter. EX2 80W. T/P:01392-204100. Fax:01392-204170

[illegible]

RELEASE 1-
PROTOTYPE

DRAWING ISSUE STATE									
ISS	Origin	Drawn	Date	ISS	Origin	Drawn	Date	Scale	Do not scale from drawing
A	DRL122	PHS	5.3.98						
Material									
Dym P.H. SABIN									
Date 5.3.98									
D.O. Ckd									
Date 5.3.98									
R&D Ckd									
Used on: LDC									
Title									
BLICK COMMUNICATIONS Ltd.									
15 Cotten Road, Exeter. EX2 0QM. T/p: 01392-20100. Fax 01392-204170									





SKT107 CONNECTIONS			
PIN	SIGNAL	PIN	SIGNAL
1	BATT	6	1PPS
2	+5V	7	1PPS RTN
3	GND	8	TTL TXD
4	VPP	9	TTL RXD
5	DIFF. IP	10	TTL RTN

LK101 & LK102 POSITION CHART		
EPROM	LK101	LK102
2764	A	B
27128	A	B
27256	B	B
27512	A	A

SKT.10B CONNECTIONS	
PIN	SIGNAL
1	MR/CLR 8 RA0
2	DATA 9 RB4
3	RE-IP 10 RB5
4	SI 11 RA1(2)
5	SD 12 RA0(2)
6	CT5 13 +5V
7	RT5 14 0V

RELEASE:--
PROTOTYPE

NOTES:-
1. WARNING - APPLY ELECTROSTATIC HANDLING PRECAUTIONS. SEE QP.18.
2. DO NOT FIT K103, PL101, 102 & 103.

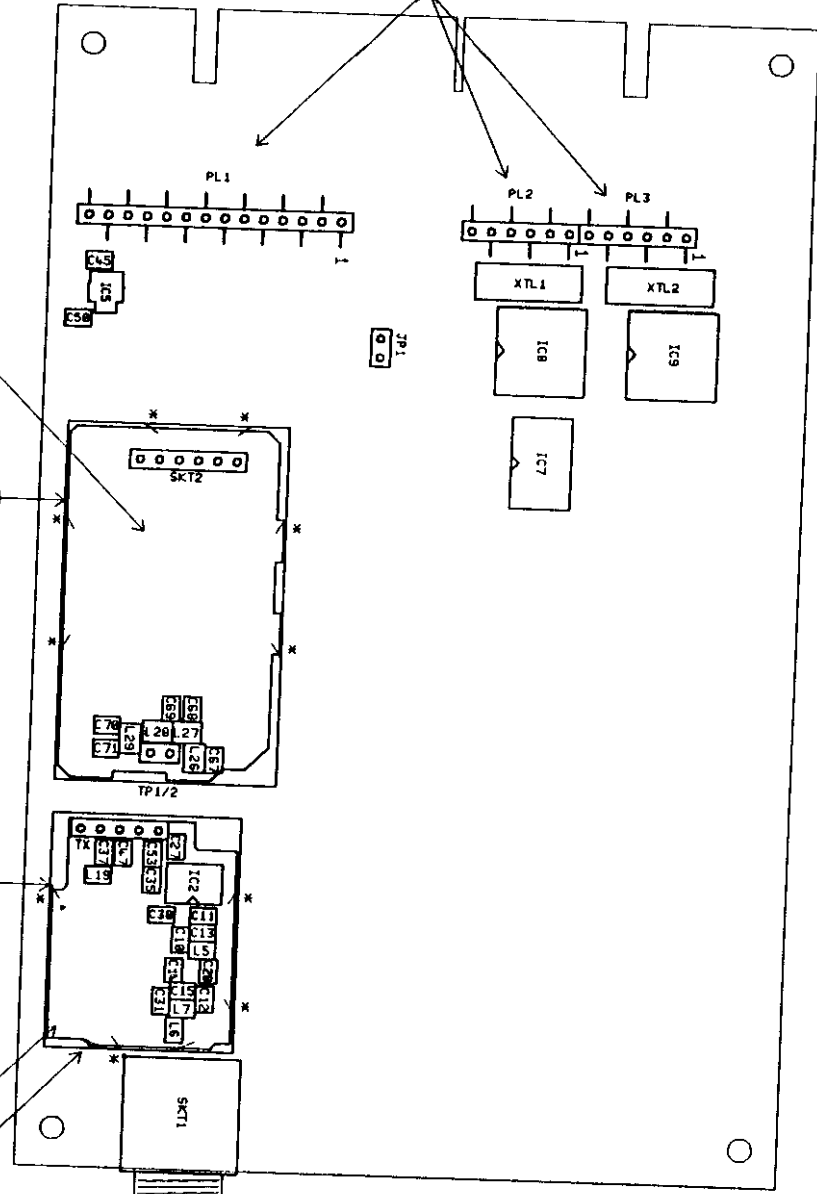
[illegible]

ENSURE PL2 & 3 ARE SOLDERED AT 90 DEGREES TO PCB AND ARE FITTED SQUARELY ON PADS

RELEASE:-
PROTOTYPE

FIT 2 MAY HEADER TO NON-SCREENED SIDE OF FRONT END BEFORE PLUGGING ONTO MAIN PCB

* ENSURE FIXING TABS ARE ONLY BENT IN ENOUGH TO SECURE PCB AND DO NOT SHORT TO ANY TRACKS (EXCEPT SCREEN TRACKS ON RX MODULE)



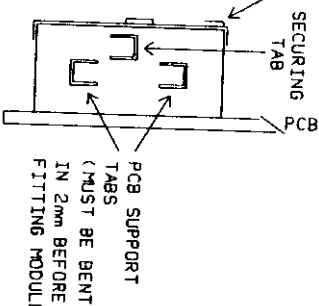
20 FIT LID AFTER RX MODULE HAS BEEN PLUGGED IN & SECURING TABS MARKED * HAVE BEEN BENT OVER PCB EDGE

22 FIT LID AFTER TX MODULE HAS BEEN PLUGGED IN & SECURING TABS MARKED * HAVE BEEN BENT OVER PCB EDGE

NOTE - PCB SUPPORT TABS TO BE AT THIS END

SECURE LID BY BENDING TABS FLUSH WITH LID

VIEW ON 'A'



PL1 CONNECTIONS TO 011255 PCB	
PIN	SIGNAL
1	NR/CLR
2	DATA
3	RE JP
4	SI
5	SD
6	CTS
7	RTS
8	RA0
9	RBL
10	RB5
11	RA1(2)
12	RA0(2)
13	+5V
14	0V

PL2 CONNECTIONS IC8 PIC PROG HEAD	
PIN	SIGNAL
1	RB5
2	RB7
3	NR/CLR
4	N/C
5	+5VP
6	0V

PL3 CONNECTIONS IC9 PIC PROG HEAD	
PIN	SIGNAL
1	RB6
2	RB7
3	NR/CLR
4	N/C
5	+5VP
6	0V

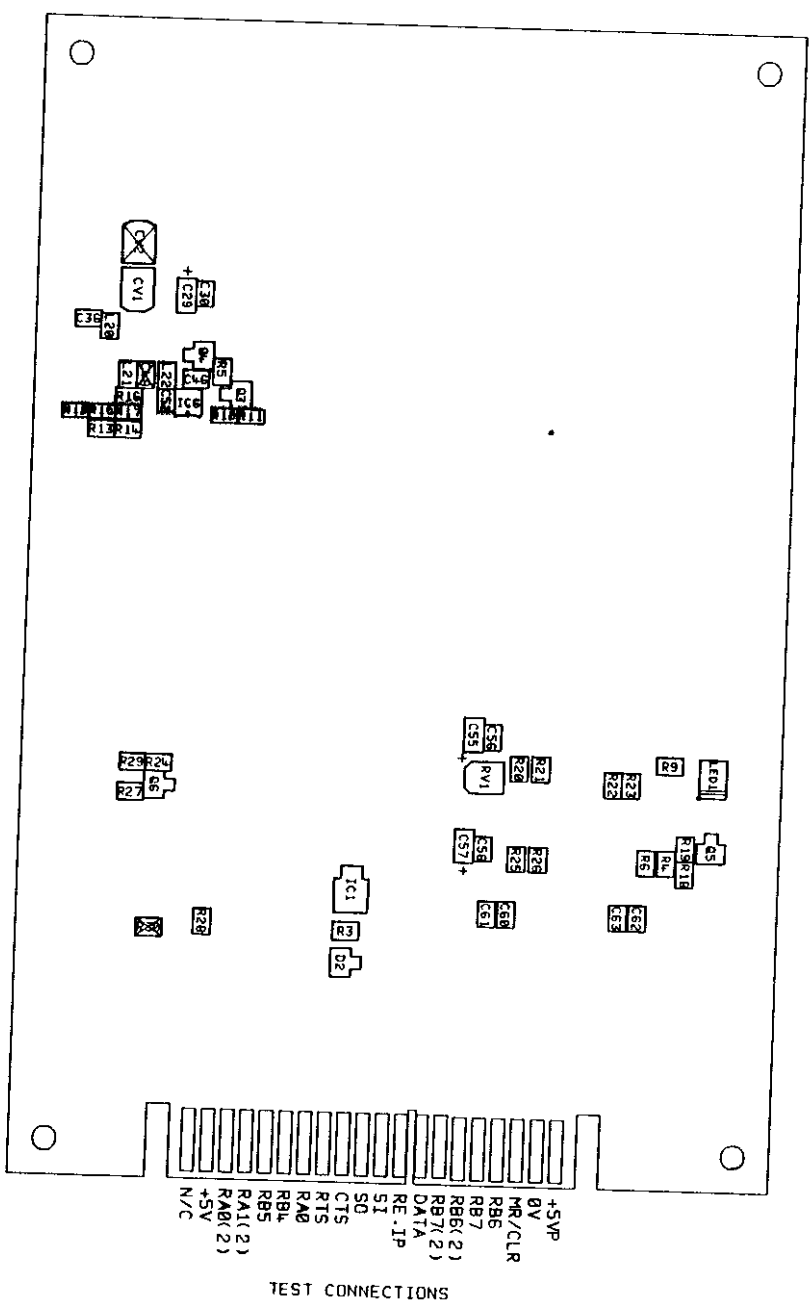
DRAWING ISSUE STATE		Latest Dwg Issue	Issue	Date	11.5.98	Do not scale from drawing	Scale	1:5 : 1	Material	Dim in	Finish	Date	2.3.98	Used on	15 Cotton Road, Easter, EX2 8BW, T/0181392-20100, Fax 01392-20417X
ISS	Dwg	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev	Rev
A	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255
B	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255
C	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255	011255

BLICK COMMUNICATIONS Ltd.

RELEASE:-
PROTOTYPE

NOTES:-

1. WARNING - APPLY ELECTROSTATIC HANDLING PRECAUTIONS. SEE Q.P.18
2. C4B.CV2 & R30 NOT FITTED.



DRAWING ISSUE STATE									
ISS	Origin	Dim	Date	ISS	Origin	Dim	Date	Do not scale from drawing	Material
A	DR1122	PHS2.3.98						Scale: 1.5 : 1	
B	SCREEN TABS AMENDED	PHS26.5.98						Dim in:	Finish
C	PL1-2232-A-B	PHS11.6.98						Tolerance Unless	Photo Stgpt.
D.O. Ckd 2.3.98									
Used on: LDC									

BLICK COMMUNICATIONS Ltd.

15 Cofon Road, Exeter, EX2 8BH, T/P 01392-20100, Fax 01392-20170