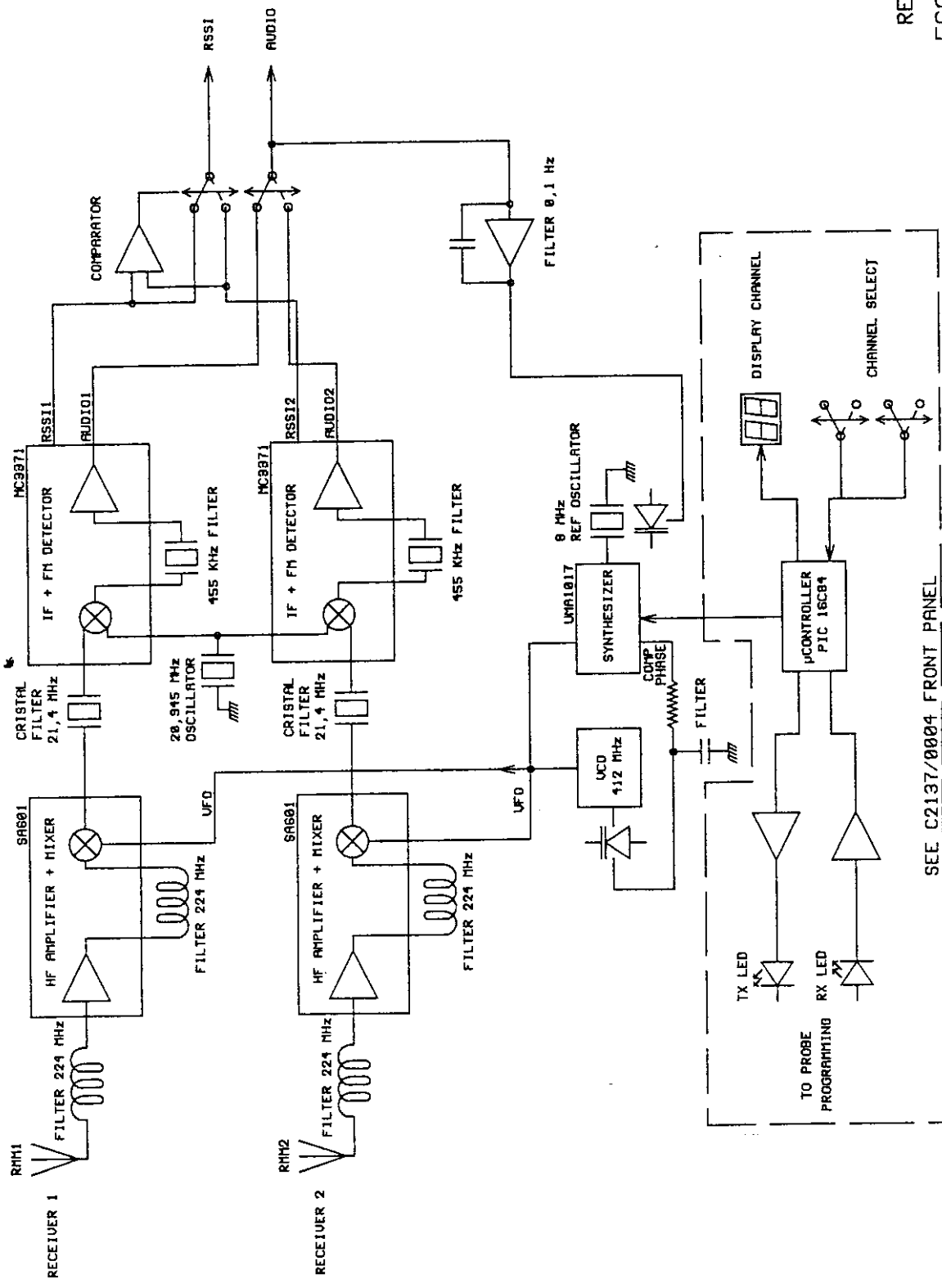




RECEIVER BLOCK DIAGRAM
FCC ID: KQG MI16-224

FIRST ISSUE N°		DRAWN BY		DRAWING DATE	
SHEET		JM CHANCY		05 11 98	
1 of 16		CHECKED		ISSUE DATE	
				05 03 99	

MI16 224 MHz LOGIC PWB

SEE C2137/0004 FRONT PANEL

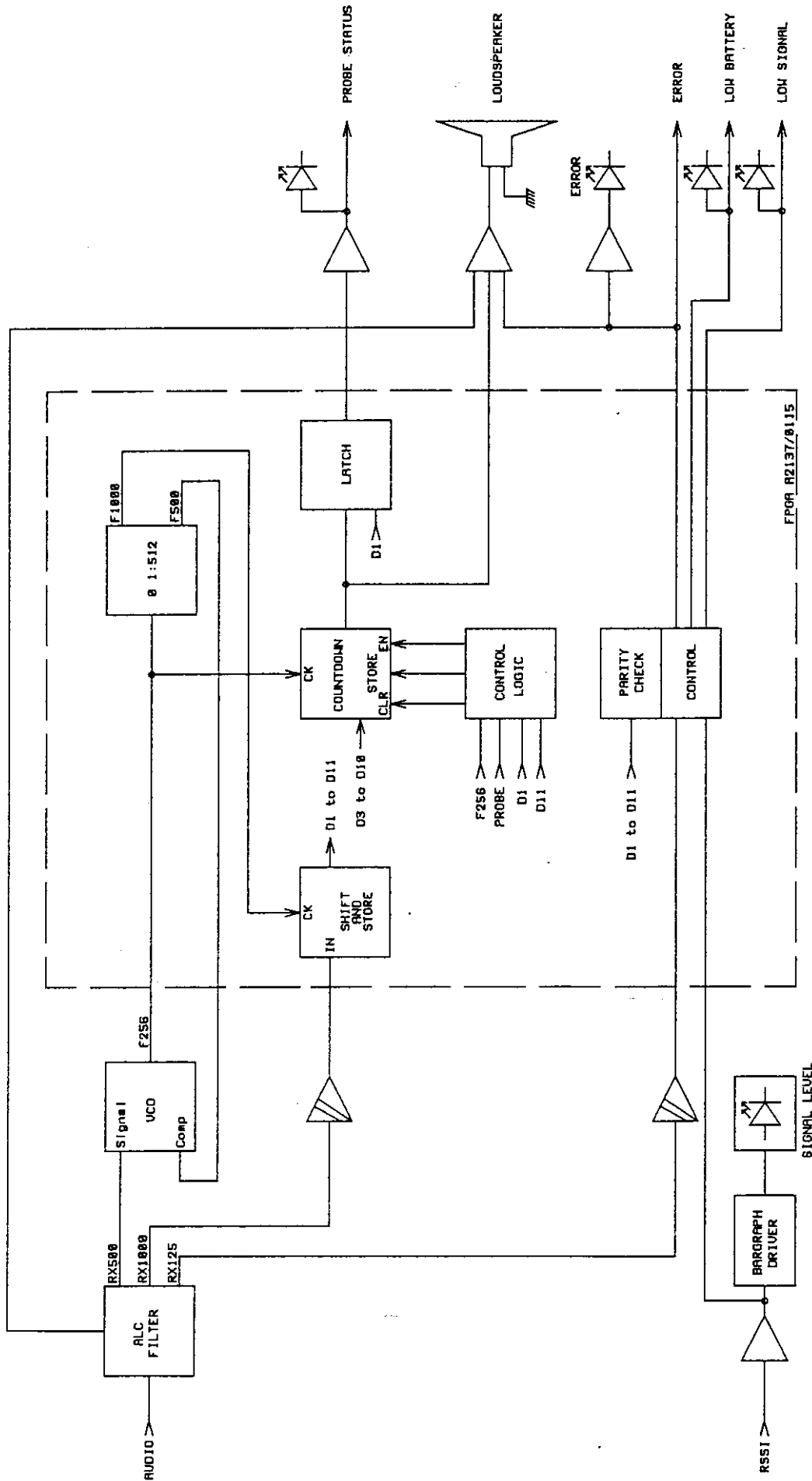
TITLE

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LOGIC BLOCK DIAGRAM

FCC ID: KQG MI16-224

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
SHEET	JM CHANCY	05 11 98
2 of 16	CHECKED	ISSUE DATE
		05 03 99

MI16 224 MHZ LOGIC PWB

RENISHAW

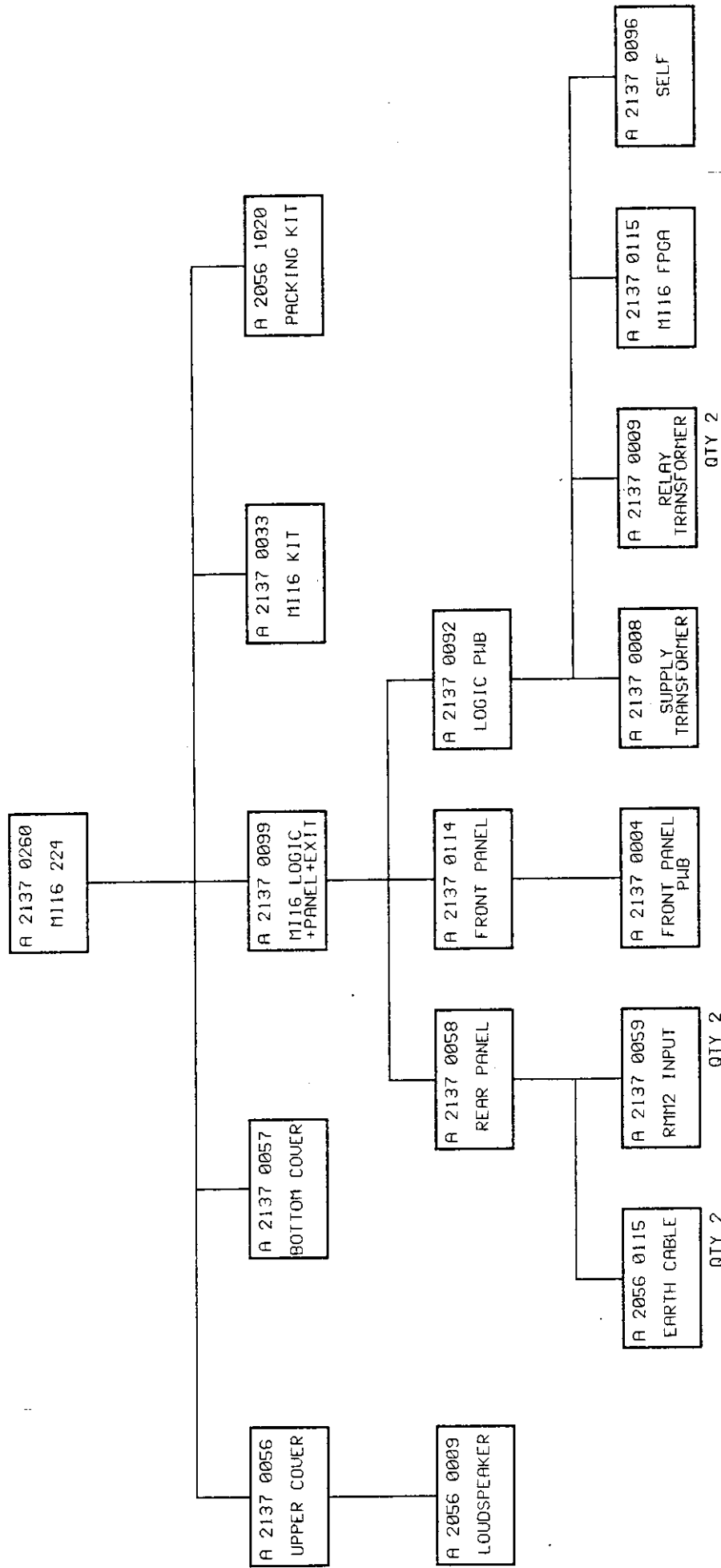
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Wotton Under Edge
Glos. England

C 2137 0092 01 A

LOHARX220-2.SCH (layer 1 98' R4 offset 0.1 0.3)

TITLE

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FCC ID: KQG MI16-224

ID: IOLON\BK-RX220 SCH (layer 1 offset 90° offset 0 | 0 3)

TITLE

MI 16 224 MHz

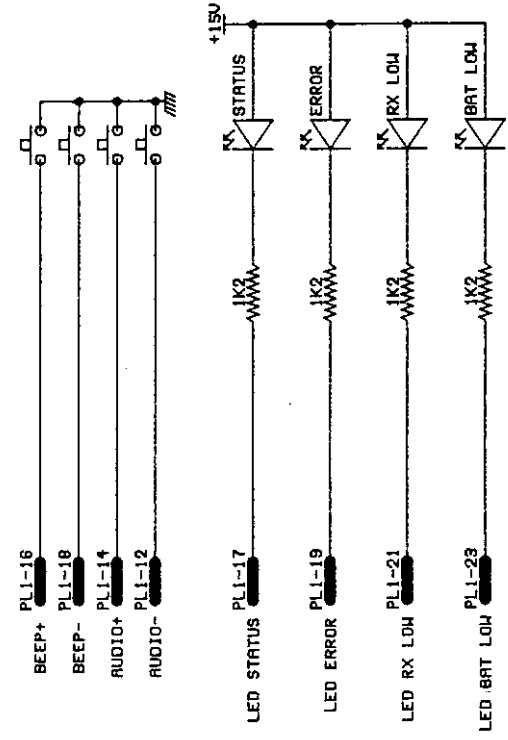
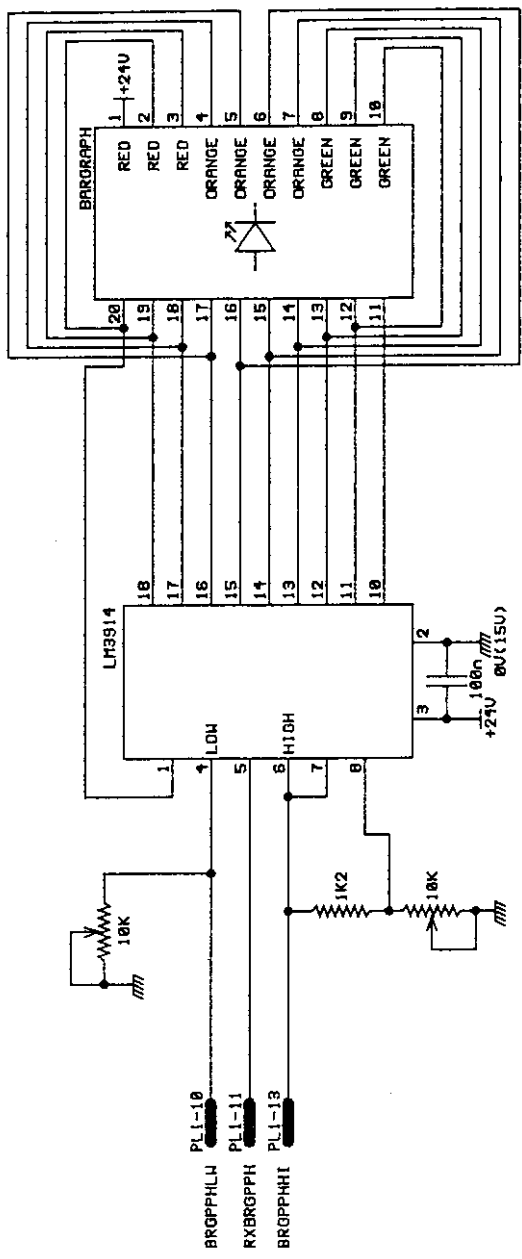
FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 1998
SHEET	CHECKED	ISSUE DATE
1 of 1		05 03 1999

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B 2137 0260 01 A



STATUS LED - RX LEVEL
FCC ID: KQG MI16-224

3. SCH (layer 1 90' A4 offset 0.1 0.3)

TITLE		FIRST ISSUE N°		DRAWN BY		DRAWING DATE	
				JM CHANCY		01 04 97	
		SHEET		CHECKED		ISSUE DATE	
		3 of 3				05 03 99	

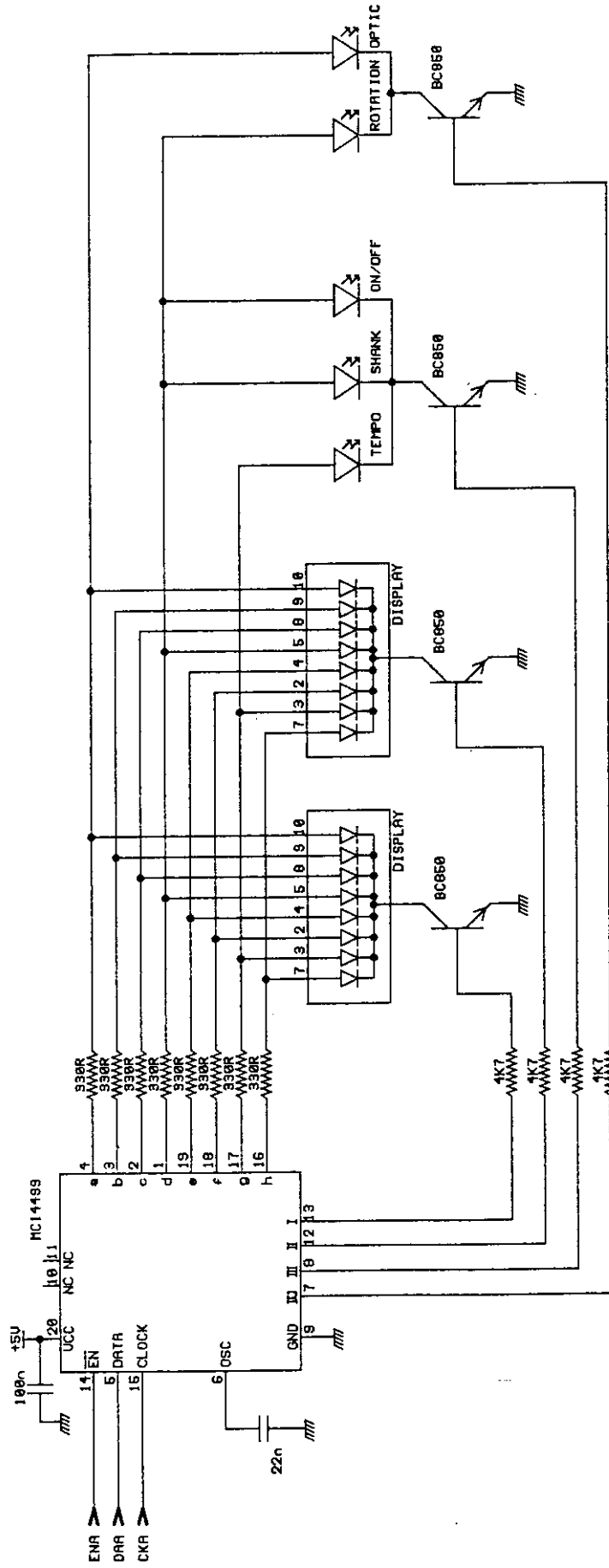
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MI16 FRONT PANEL

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PROGRAMMING LED - DISPLAY

FCC ID: KQG MI16-224

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
JM CHANCY	01 04 97	
SHEET	CHECKED	ISSUE DATE
2 of 3		05 03 99

TITLE

MI16 FRONT PANEL

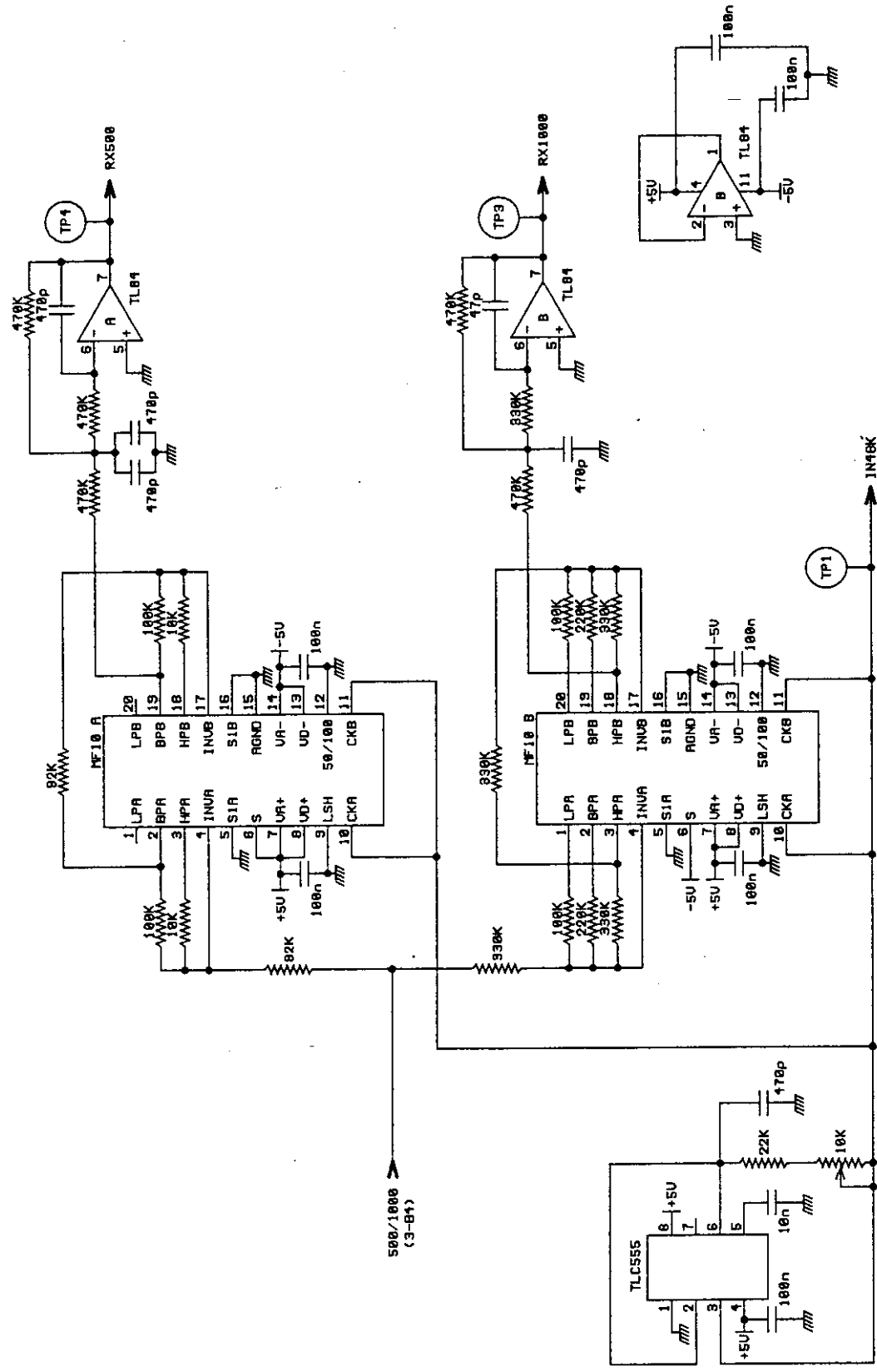
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2 SCH (layer 1 98' A4 offset 0.1 0.3)

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500/1000 FILTER

FCC ID: KQG MI16-224

FIRST ISSUE N°		DRAWING DATE	
JIM CHANCY		05 11 98	
SHEET		ISSUE DATE	
4 of 16		05 03 99	

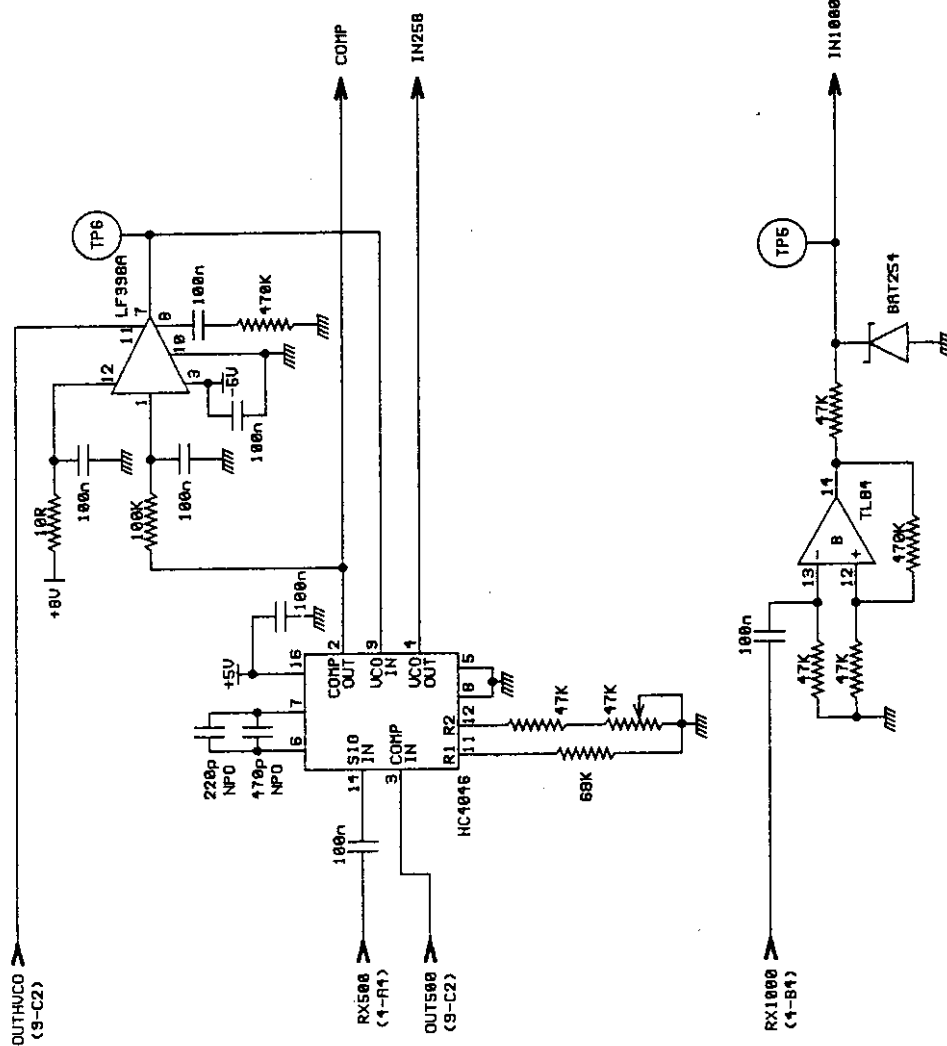
TITLE

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C 2137 0092 01 A



RX VCO

FCC ID: KQG MI16-224

LOW\RX220-5.SCH <layer 1 98' A4 offset 0.1 0.3>

TITLE

MI16 224 MHZ LOGIC PWB

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Glos. England

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C 2137 0092 01 A

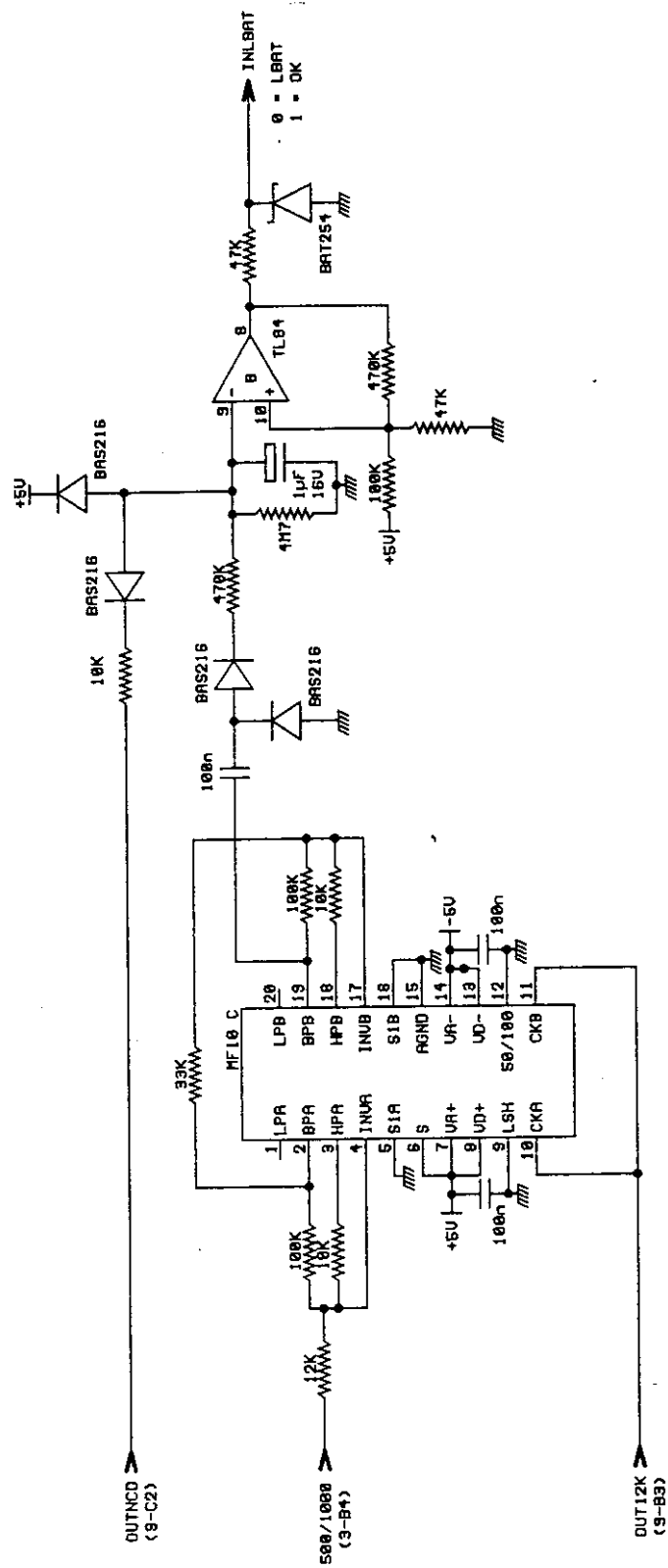
FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
5 of 16		05 03 99

DRAWING DATE:

05 11 98

ISSUE DATE

05 03 99



BATTERY LEVEL

FCC ID: KQG MI16-224

LOW\RX220-S.SCH (layer 1 90' A4 offset 0.1 0.3)

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TITLE

MI16 224 MHZ LOGIC PWB

WITHOUT THE EXPRESS WRITTEN AUTHORITY
PENINSULAR METROLOGY LTD

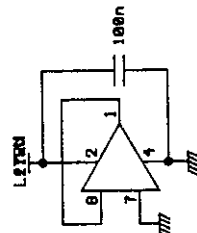
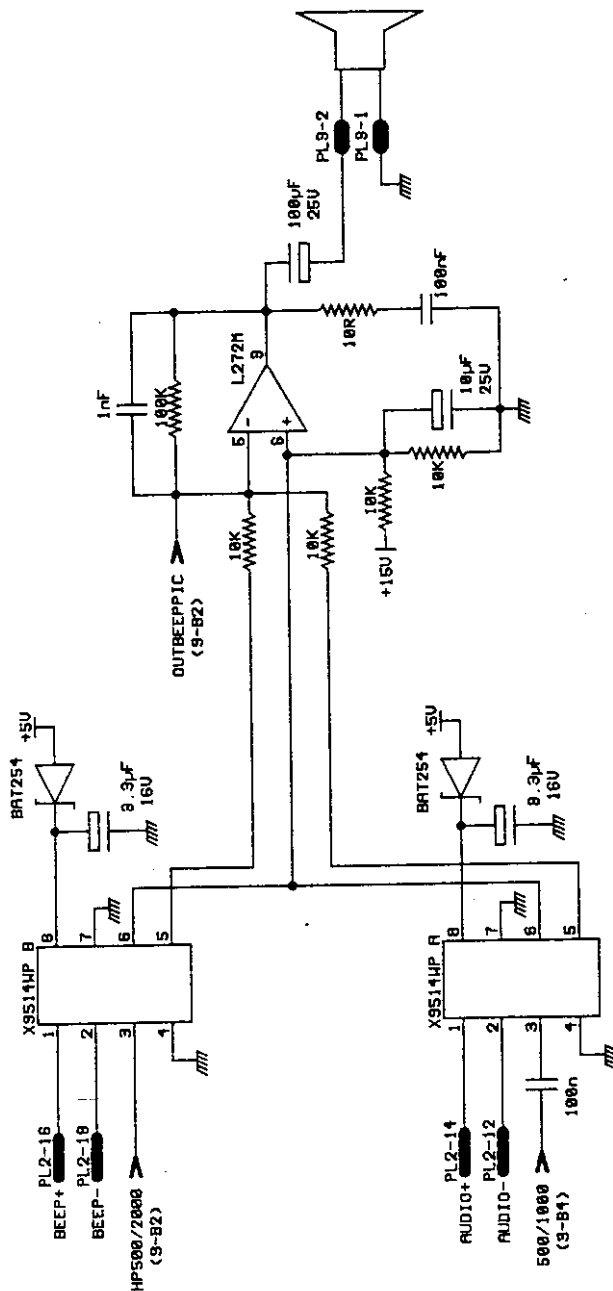
New mills
Wotton Under Edge
Glos. England

RENI SHAW

C 2137 0092 01 A

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
6 of 16		05 03 99

C 2137 0092 01 A



LOUDSPEAKER

FCC ID: KQG MI16-224

FIRST ISSUE N°		DRAWING DATE	
JIM CHANCY		05 11 98	
SHEET		ISSUE DATE	
7 of 16		05 03 99	

TITLE

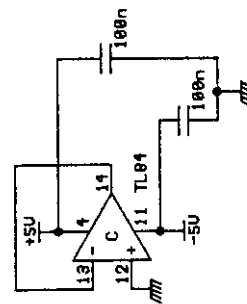
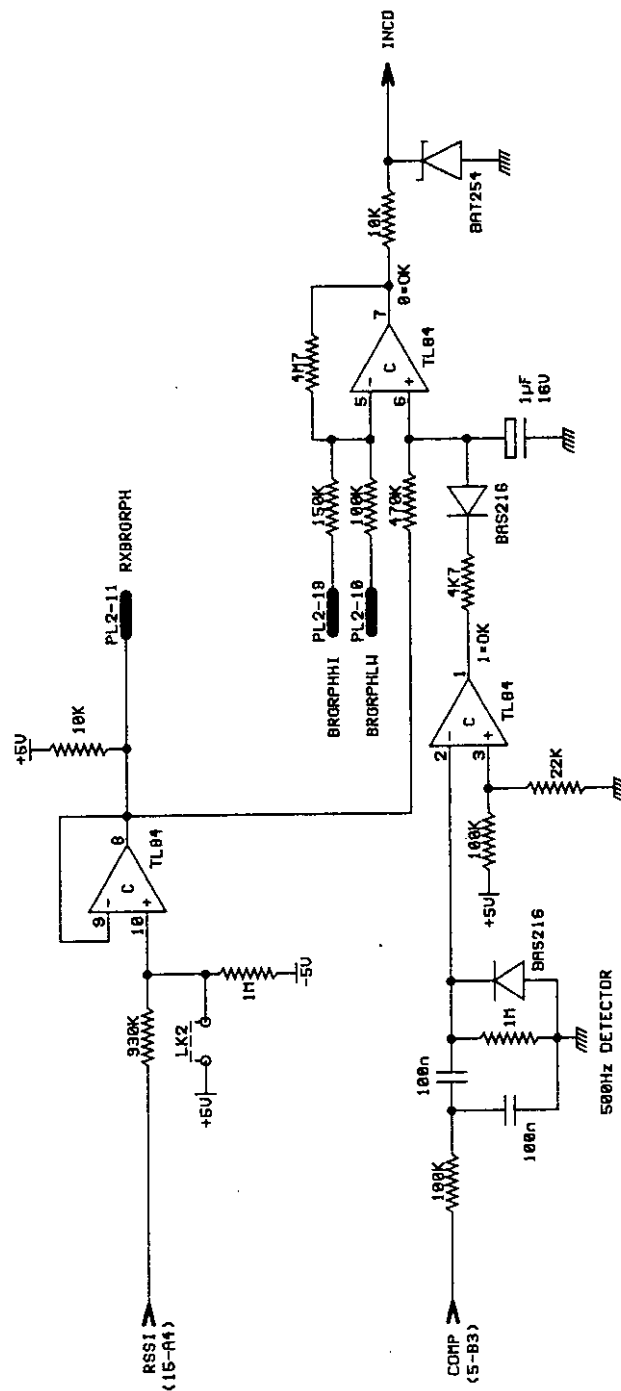
MI16 224 MHZ LOGIC PWB

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RX SIGNAL LEVEL

FCC ID: KQG M16-224

[illegible]

TITLE

FIRST	ISSUE N°	DRAWN BY	DRAWING DATE
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JM CHANCY 05 11 98

SHEET	CHECKED	ISSUE DATE
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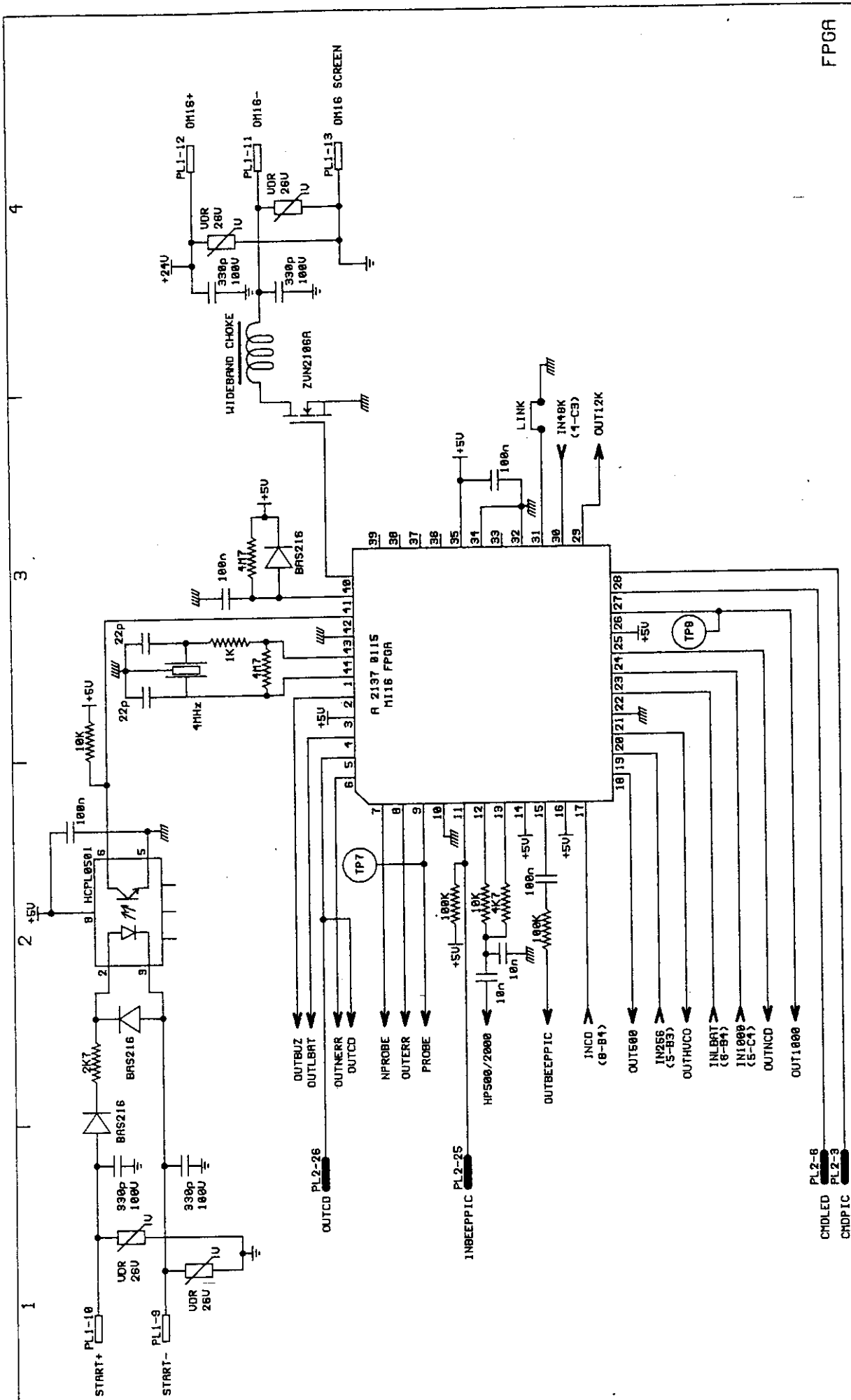
MI16 224 MHZ LOGIC PWB

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FPGA

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FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
9 of 16		05 03 99

TITLE

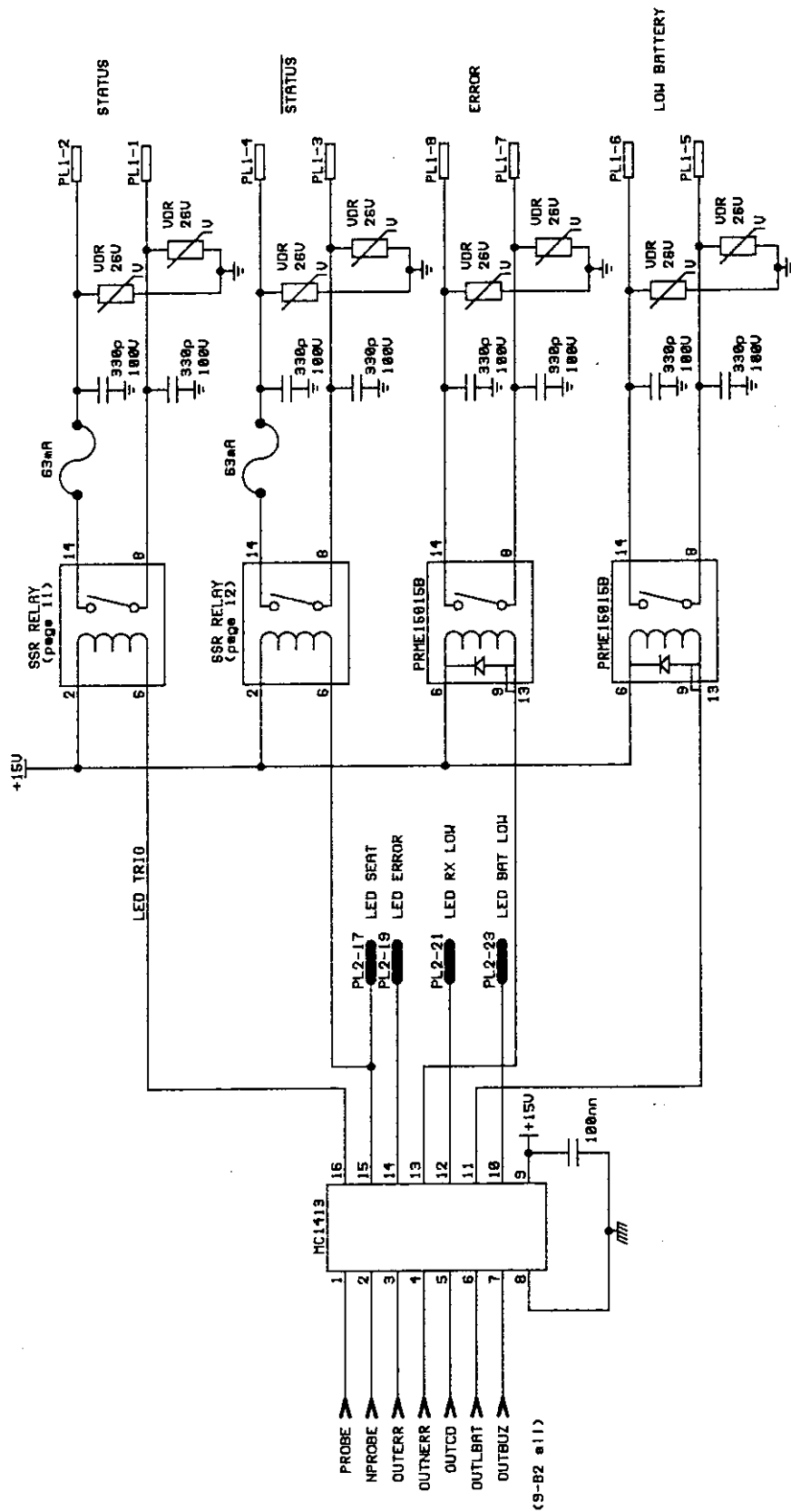
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MI16 224 MHZ LOGIC PWB

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LED/RELAY DRIVER

FCC ID: KQG MI16-224

FIRST ISSUE N°		DRAWING DATE	
JMI CHANCY		05 11 98	
SHEET		ISSUE DATE	
10 of 16		05 03 99	

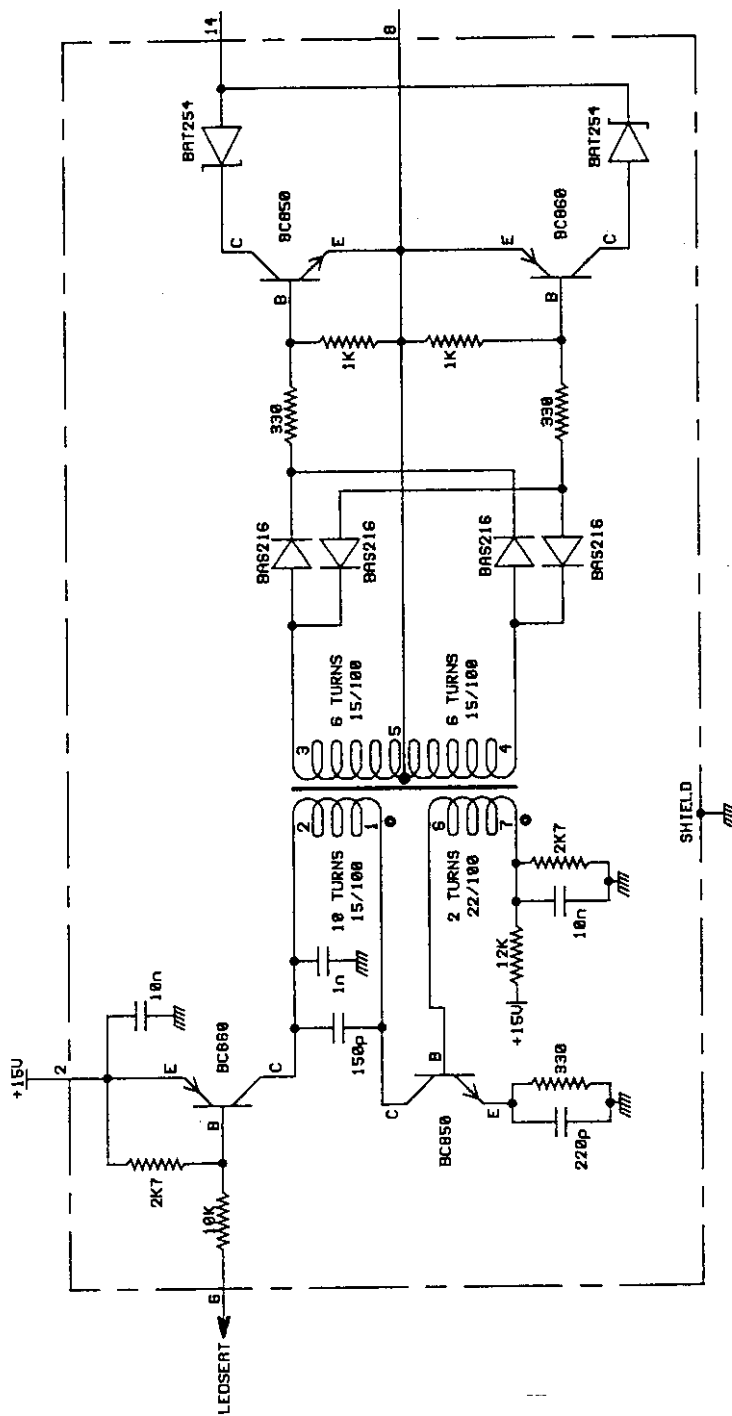
MI16 224 MHZ LOGIC PWB		TITLE	
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C 2137 0092 01 A



BC050

BC060

SSR RELAY

FCC ID: KQG MI16-224

LOW\RX220-12.SCH Layer 1 80° A4 offset 0.1 0.9)

TITLE

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
12 of 16		05 03 99

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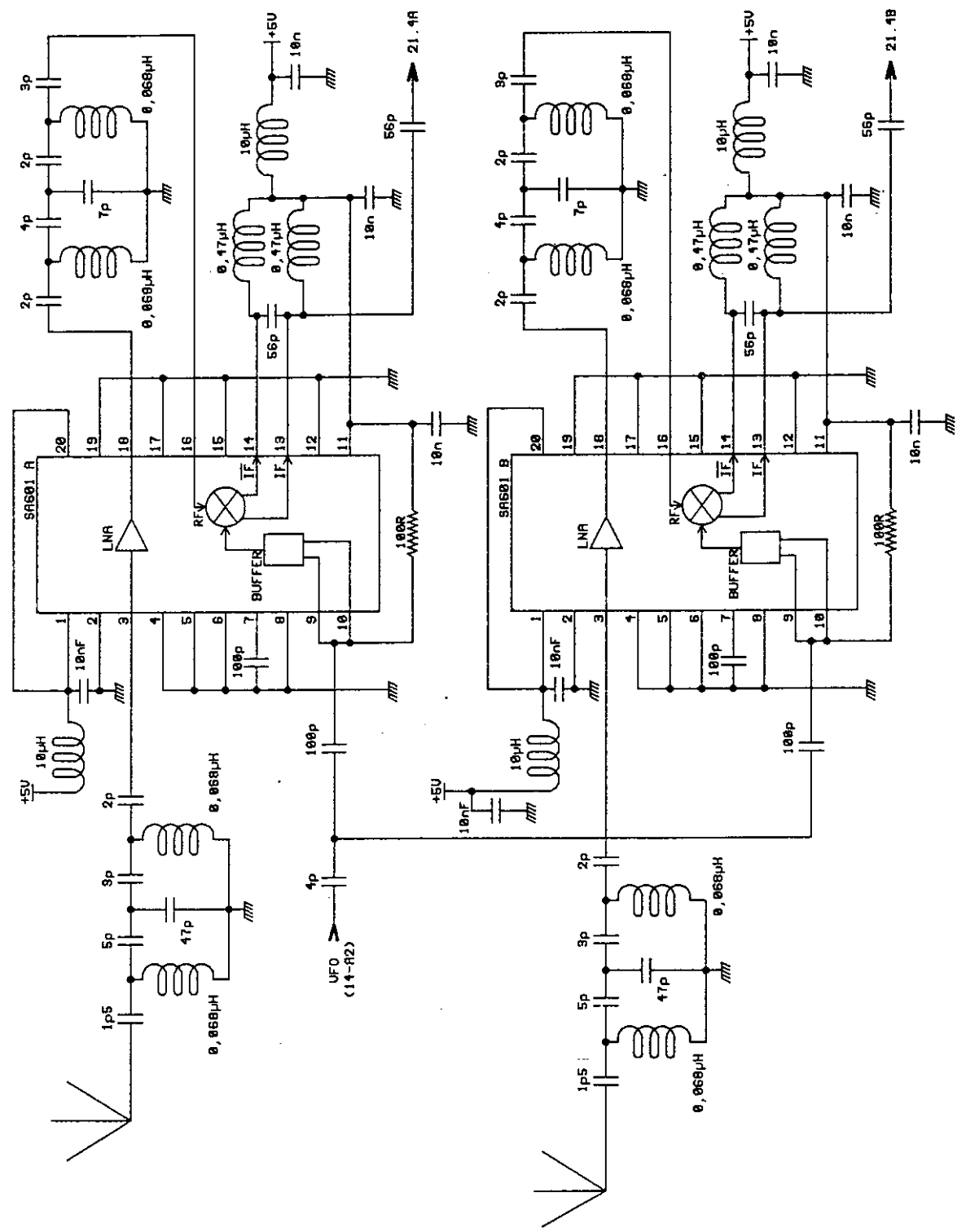
MI16 224 MHZ LOGIC PWB

RENISHAW

New mills
Wotton Under Edge
Glos. England

C 2137 0092 01 A

1 2 3 4



HF AMPLI AND MIXER
FCC ID: KQG MI16-224

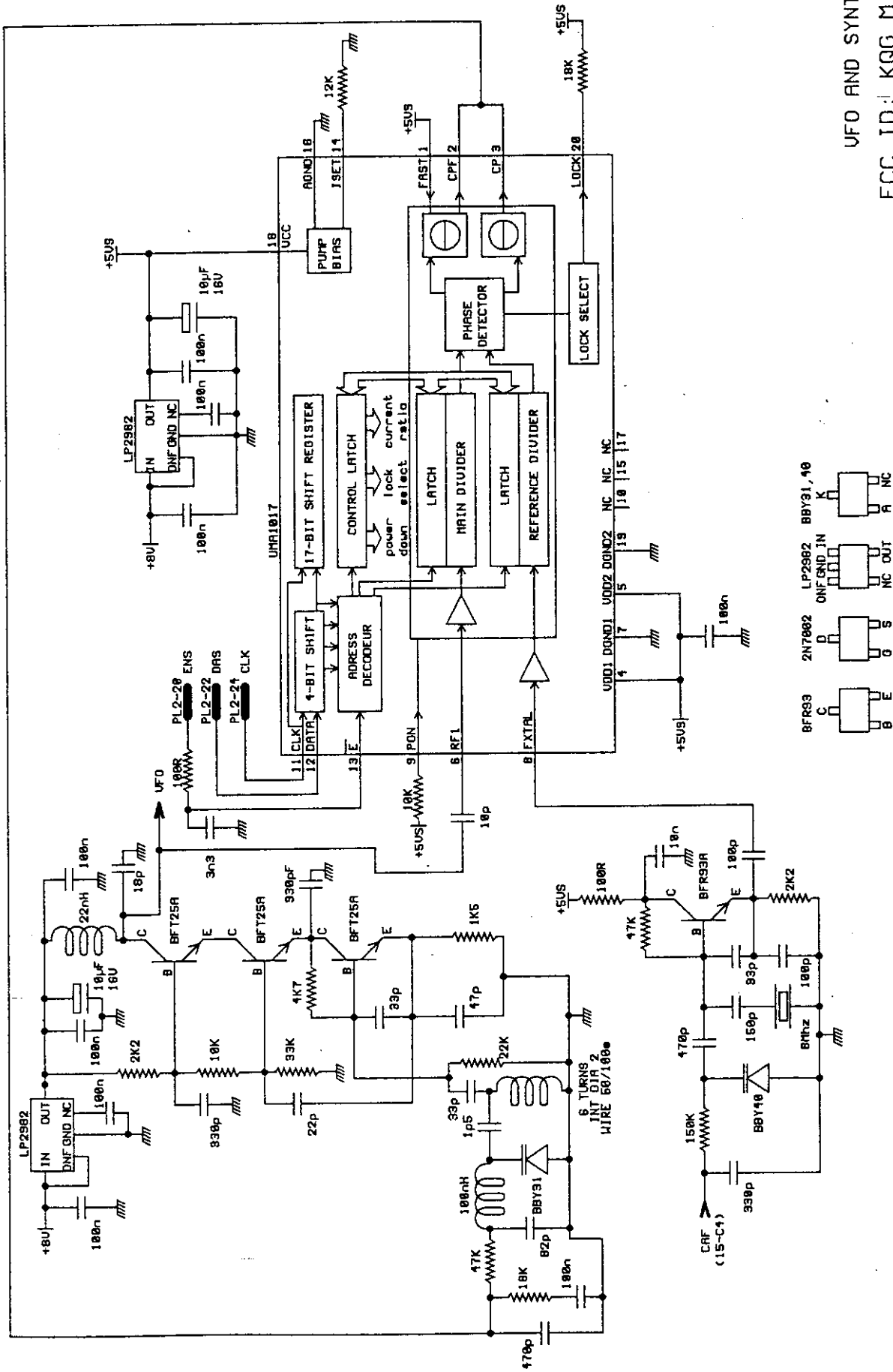
1010LVRX220-13 SCH (layer 1 90° R4 offset 0.1 0.3)

FIRST ISSUE N°		DRAWING DATE	
JH CHANCY		05 11 98	
CHECKED		ISSUE DATE	
13 of 16		05 03 99	

TITLE	
MI16 224 MHZ LOGIC PWB	

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RENISHAW		New Mills Hotton Under Edge Glos. England	C 2137 0092 01 A	
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UFO AND SYNTHETISER

FCC ID: KQG MI16-224

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
14 OF 16		05 03 99

MI16 224 MHZ LOGIC PWB

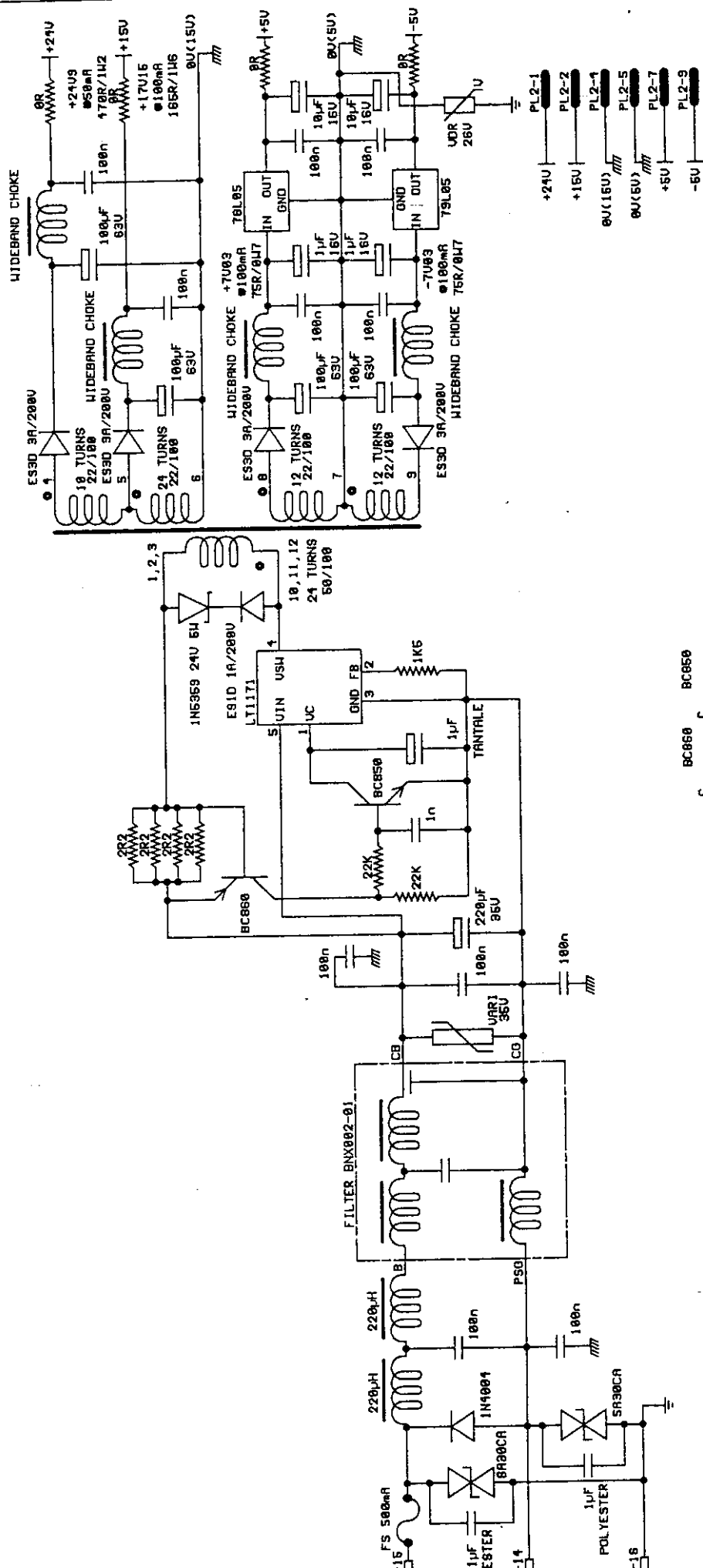
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THREE

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SUPPLY

FCC ID: KQG MI16-229

FIRST ISSUE N°	DRAWN BY	DRAWING DATE
	JM CHANCY	05 11 98
SHEET	CHECKED	ISSUE DATE
16 OF 16		05 03 99

MI16 224 MHZ LOGIC PWB

RENISHAW

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Wotton Under Edge
Glos. England

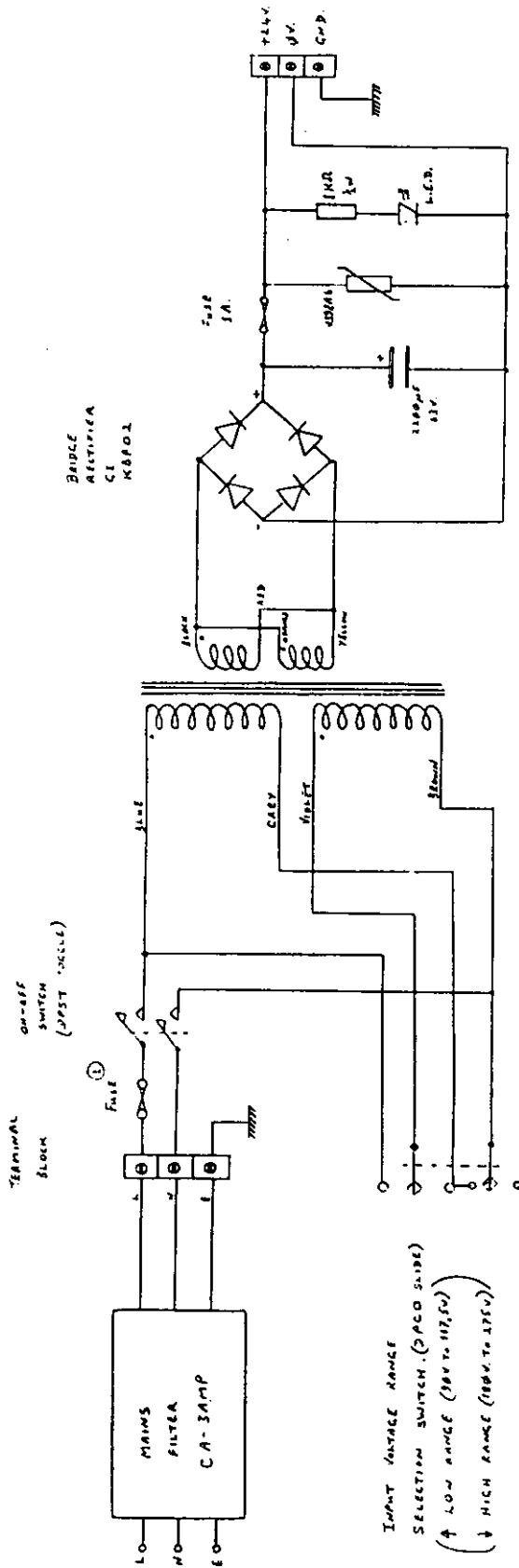
C 2137 0092 01 A

TITLE

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MF

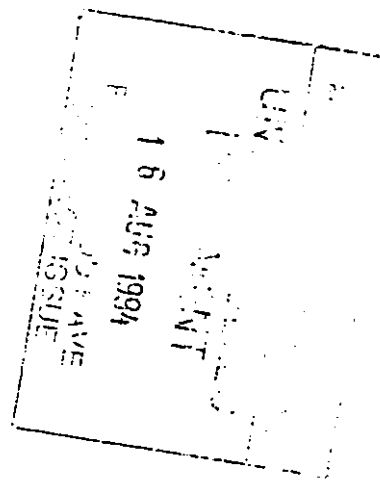
1 2 3 4 5 6 7 8 9 10 11 12



300V.
AVOL-LIMBERG
TYPE 40/2769
TOROIDAL
TRANSFORMER

NOTE 1. THIS FUSE IS RATED AS FOLLOWS.

- (a) FOR HIGH RANGE INPUT VOLTAGE 100-110V
- (b) FOR LOW RANGE INPUT VOLTAGE 100-110V



FCC ID: KQG MI16-224

ISSUE	ALTERATION	DATE	APPROVAL
1		14/11/81	
2		14/11/81	
3		14/11/81	
4		14/11/81	
5		14/11/81	
6		14/11/81	
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12		14/11/81	

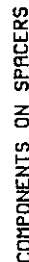
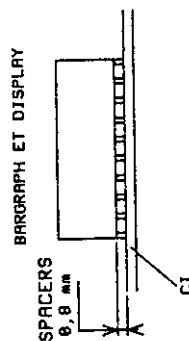
RENISHAW

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Glos. England.

Wotton-under-Edge

SCALE

ISSUE

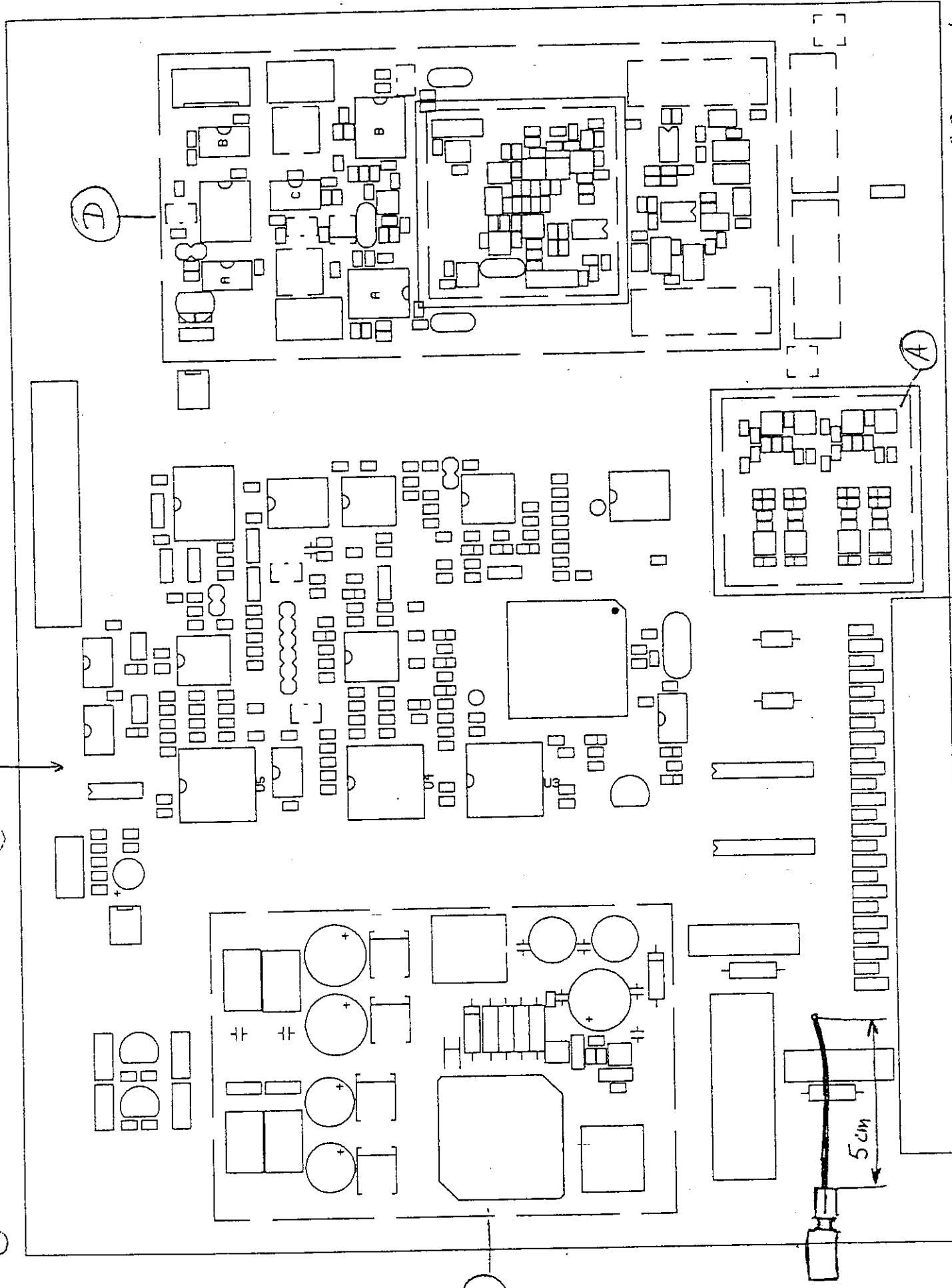


KQ6 HI 16-224

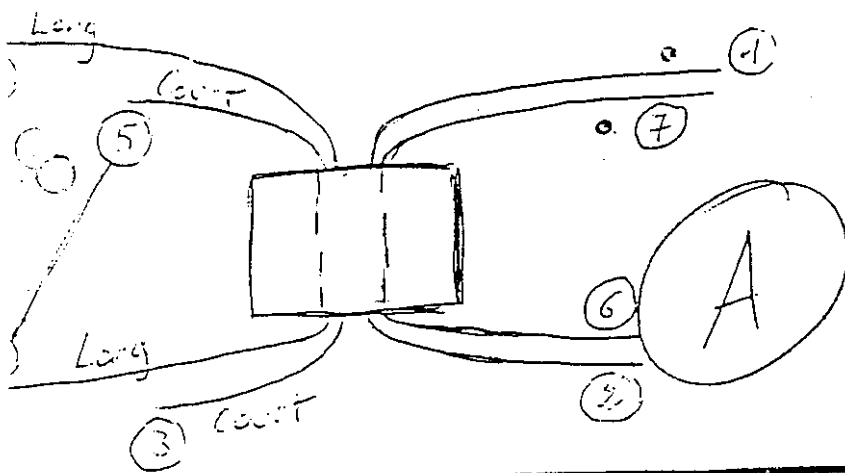
TITLE FRONT PANEL PWB		DRAWING DATE 18/02/97	
MATERIAL		DRAWING BY JH CHANCY	
SCALE 1/1		FIRST ISSUE N°	
SHEET 1 of 1		CHECKED	
ISSUE DATE 23/09/97		A 2137 0004 PC	

NO 11. PLIN 1110-
(A) or (C) à cadher

KQ67116-224



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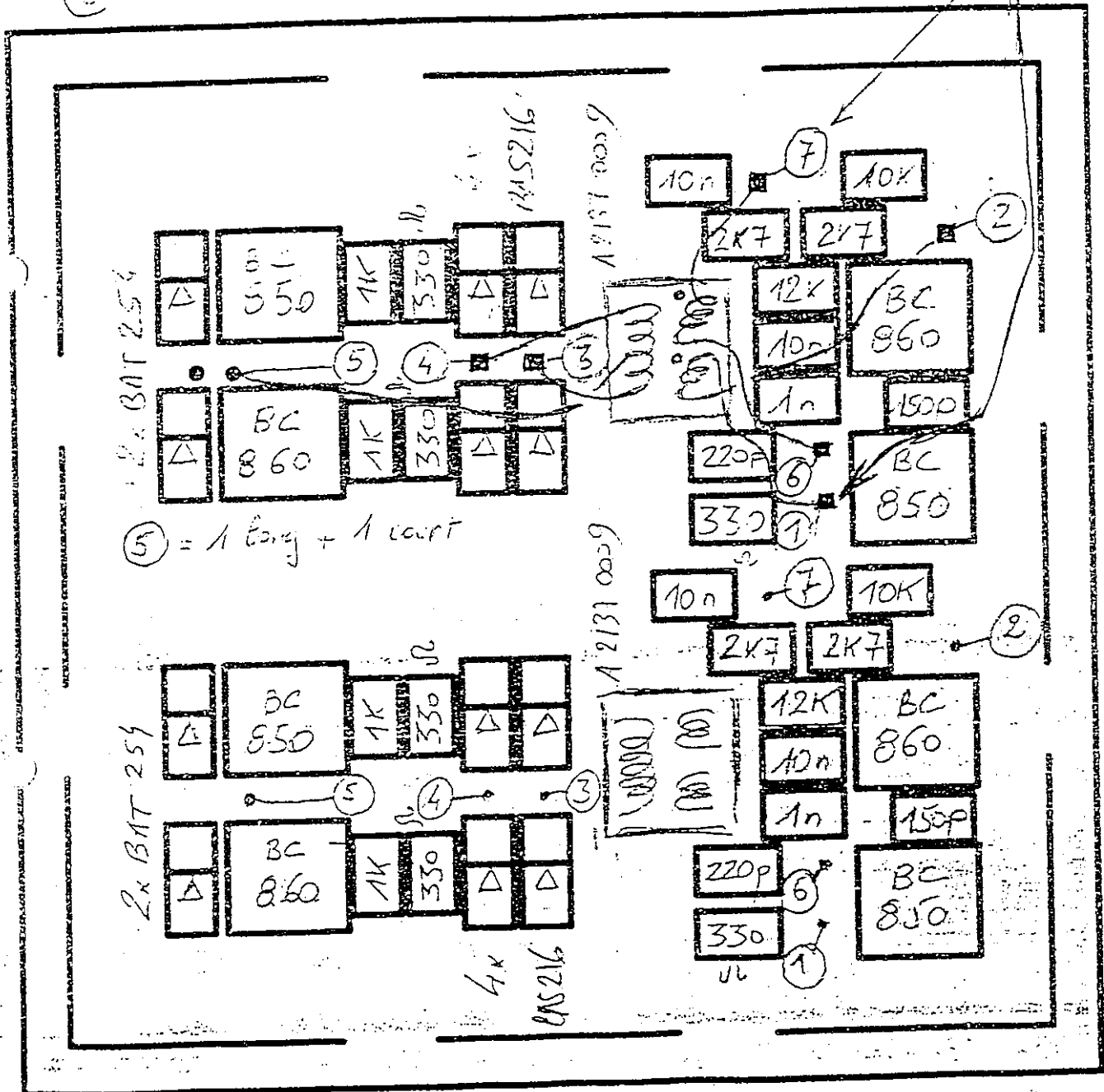


DETAIL
TRANSFO

KQG-116-224

ATTENTION: FILS
A LOUDER SUR
LES PASTILLES
CARREES

↓
Depart
d'enroulement

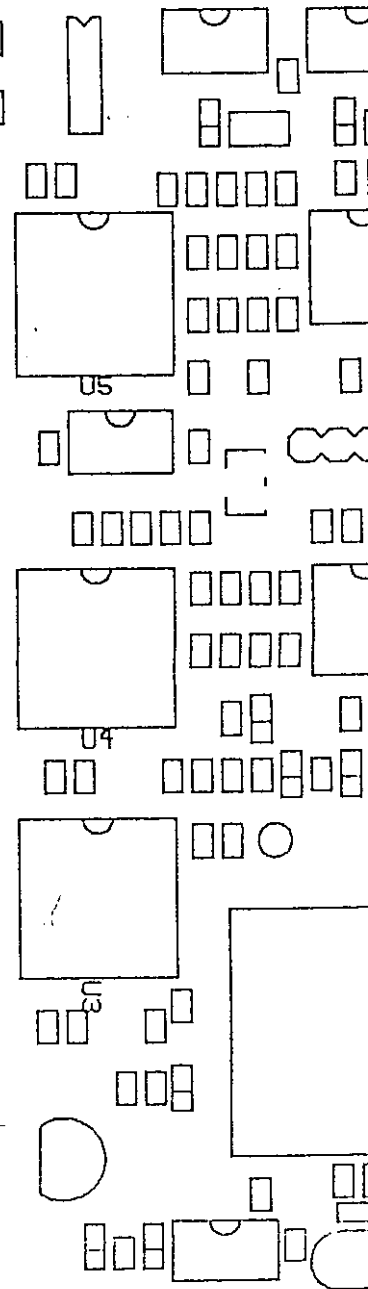
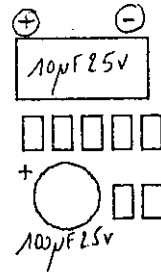


NOTA: TRANSFO COLLES
A L'ARMADITE
2 MONTAGES IDENTIQUES

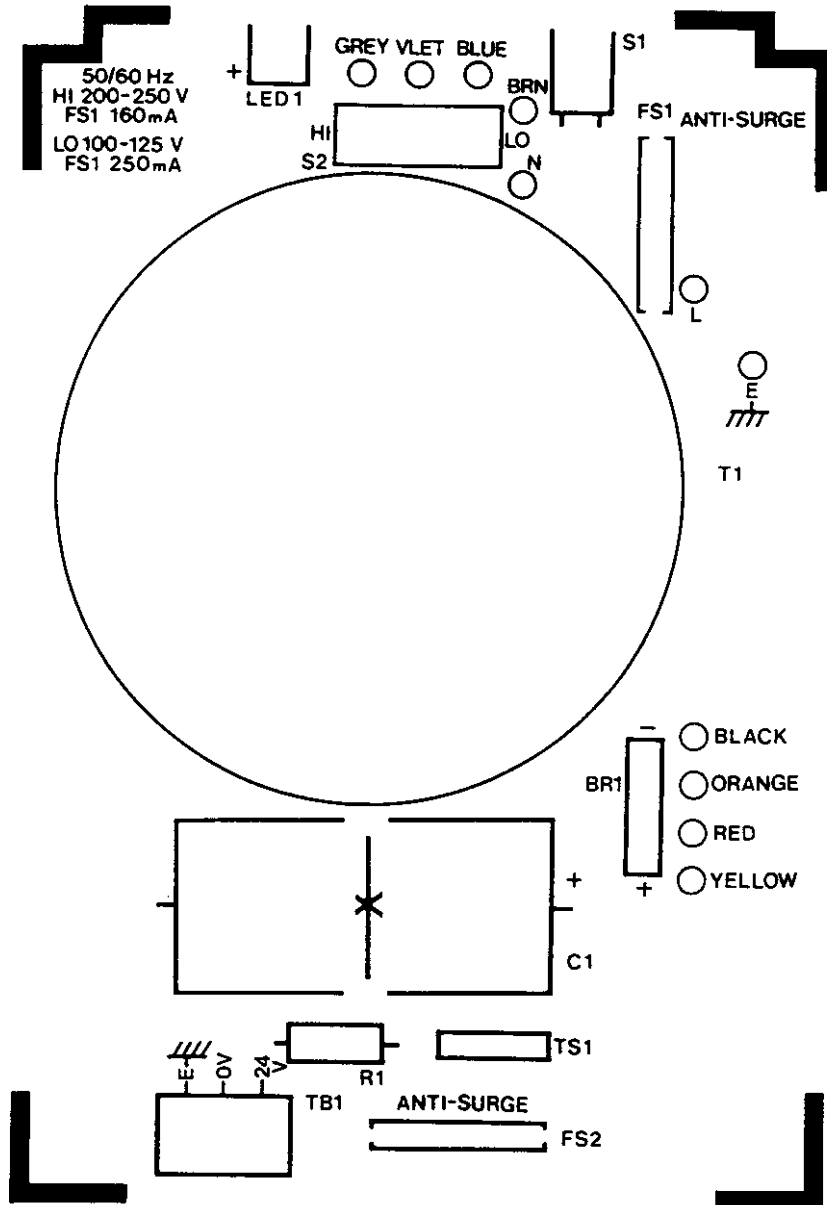
A 2137 0092

A2137 0092 4/5

KQGM16-224



A 2137 / 0092



REFERENCE TO 127

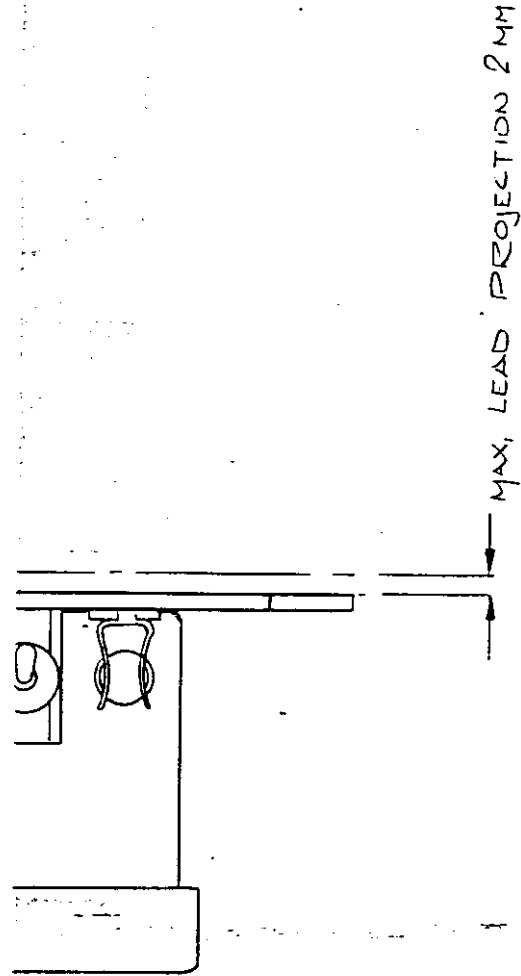
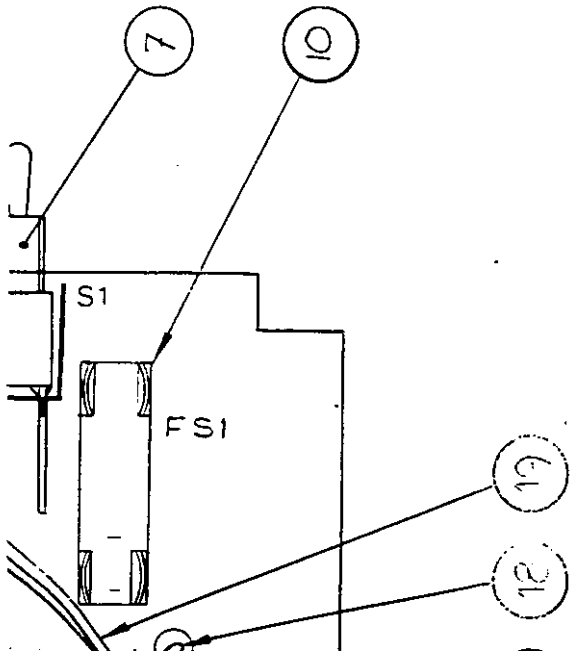
FCC ID: KQG-HI16-220

REV	DATE	DESCRIPTION	BY	CHKD	DATE	REV	DATE	DESCRIPTION	BY	CHKD	DATE
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RENISHAW

Gloucester Street
Glos
England

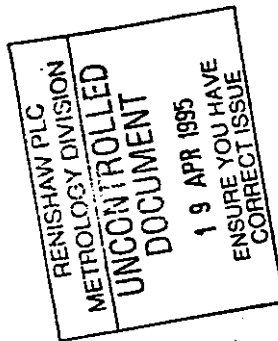




ITEM (KOS) REF	REF	ITEM
	T1	12
	TS1	4
	BR1	5
	CI	6
	SI	7
	S2	9
	RI	
	FS1	10
	FS2	10
	LED	11
	TBI	8

NOTES

- 1 WIRE ITEMS 12 TO 11 IN ACCORDANCE WITH COS C IDENTIFY ITEMS TO FIT TO BE MARKED OFF WHEN FINISH SOLDERING
- 2 SOLDER CANNULAS ITEM 6 TO BE USED USING TYRAP ITEM 15, AFTER FLOW SOLDERING.
- 3 FIT SHROUDED CRIMP CONNECTORS ITEM 21 USING CTT CRIMP TOOL RTB-510



PCCTO: KQG MI16-224

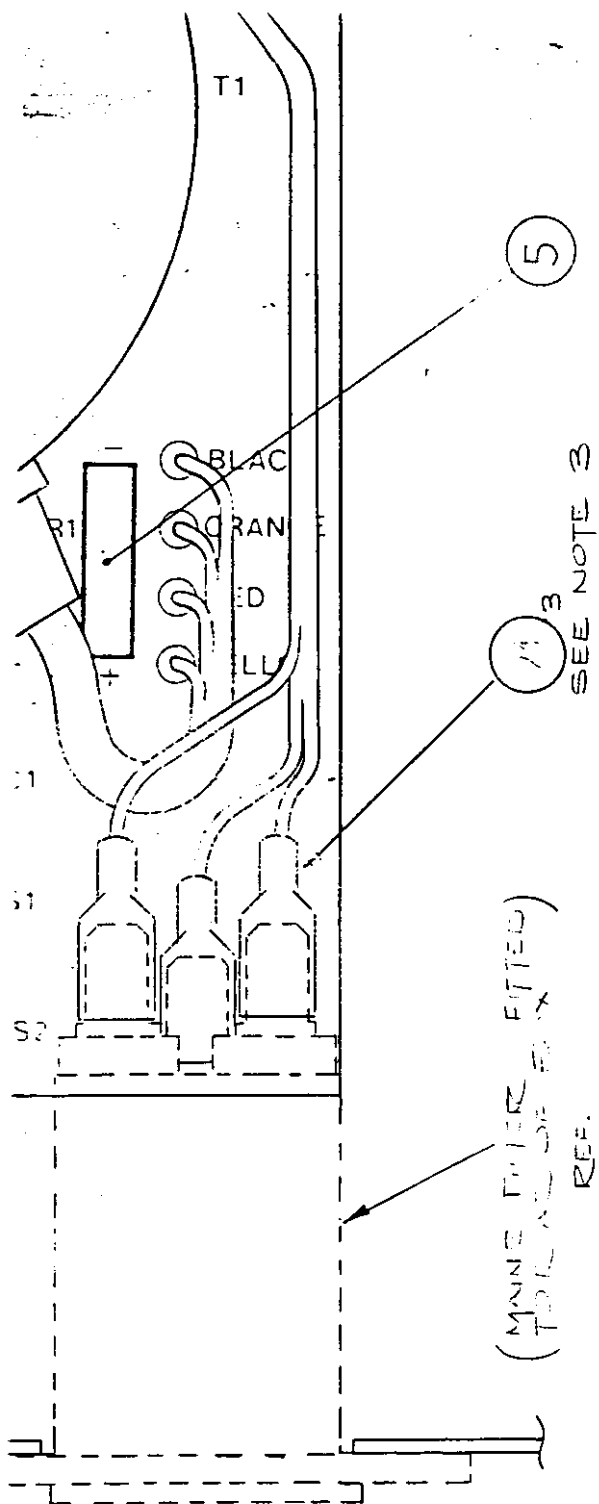
PSU PCB ASSEMBLY

THW (SAC) 2/12/BI
GUEST
1 OF 1

RENISHAW

Gloucester Street
Wotton Under Tree
England

AD033/0151-01

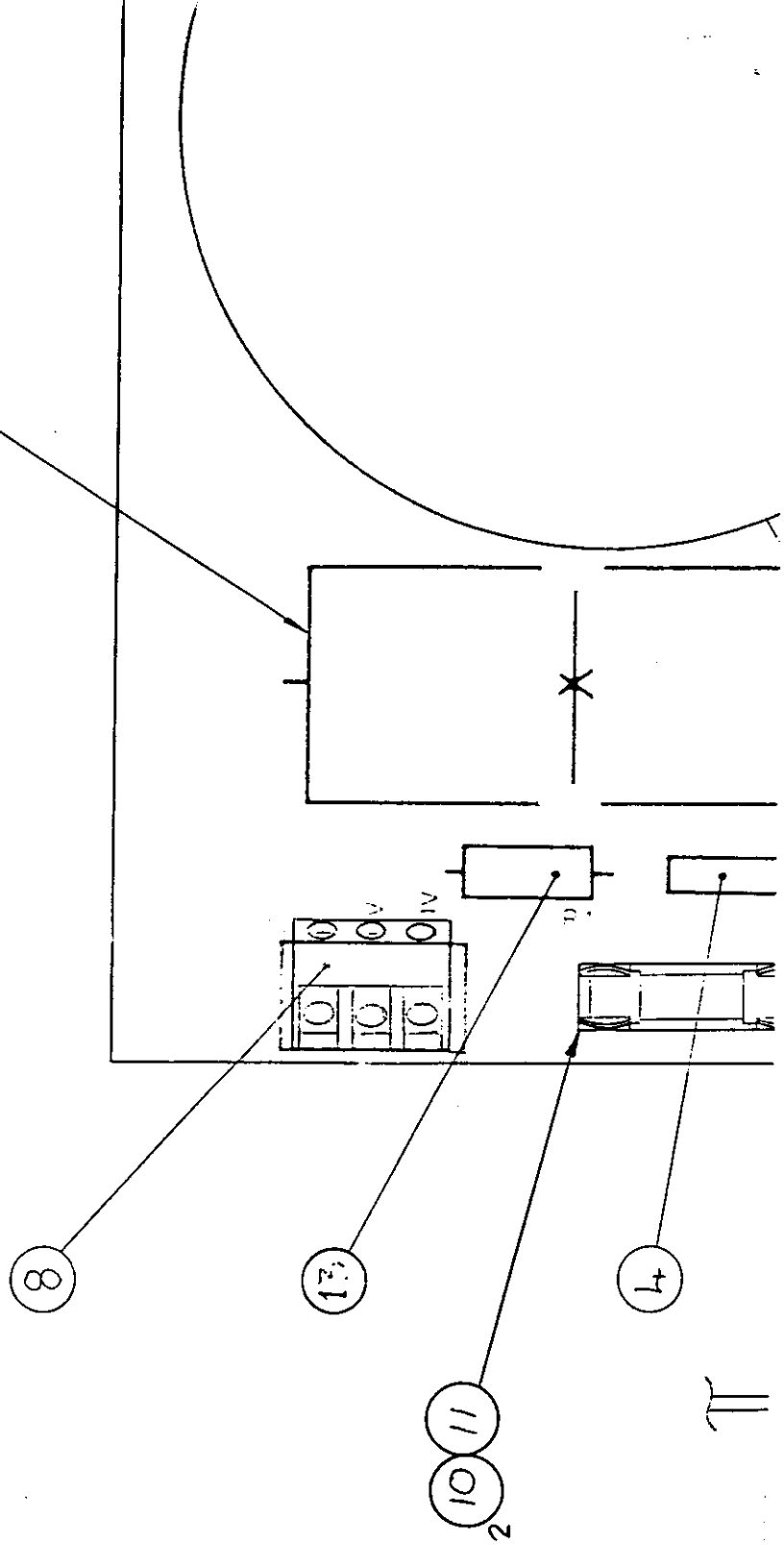


FCC ID: K06-MI16-224

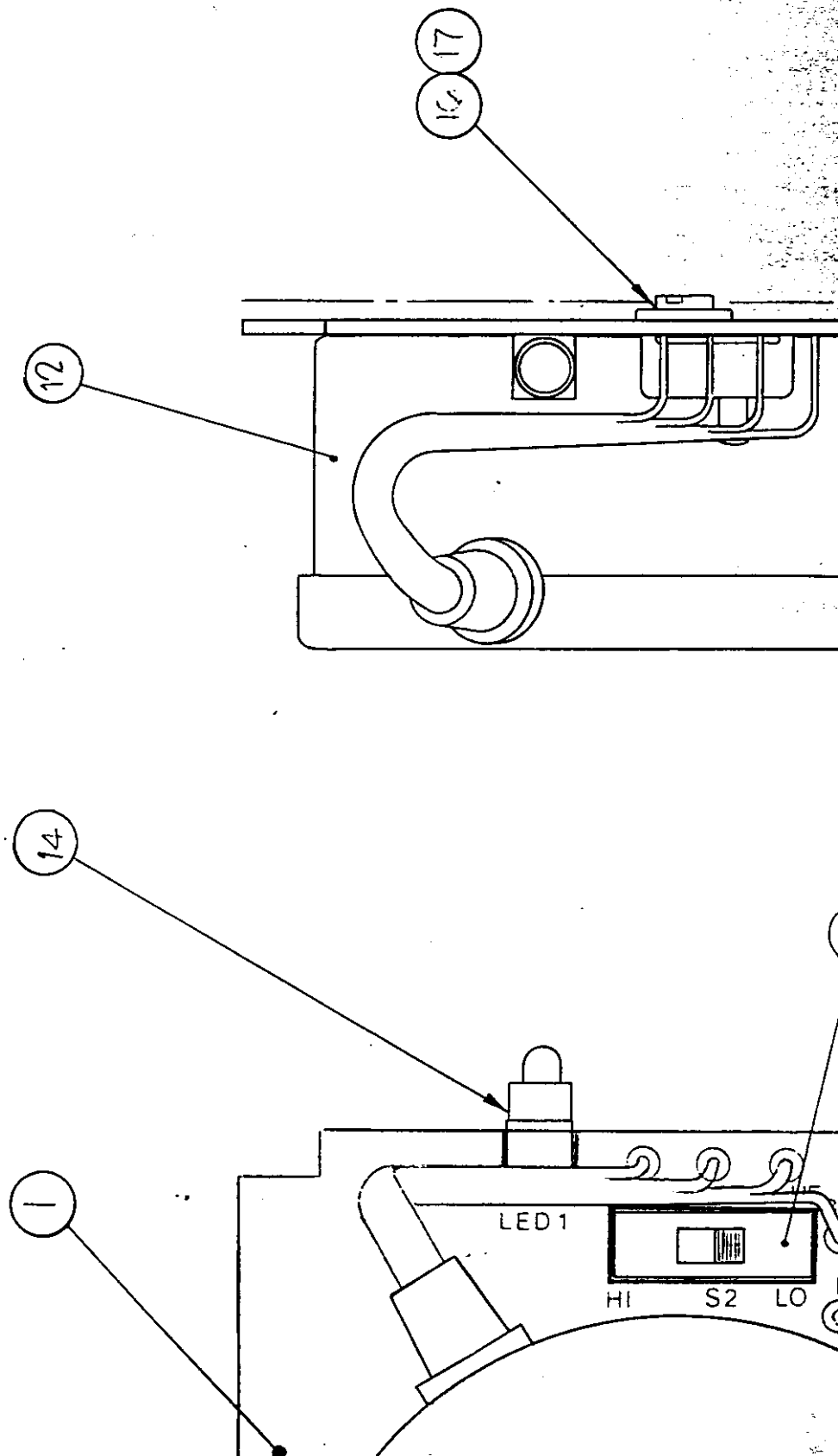
FCCI 0: KQG-HI16-224

6 18

SEE NOTE 2



FCC ID: KQG-MI16-224



1	2	3	4	5	6
USED ON			DO NOT SCALE 3rd ANGLE PROJECTION		

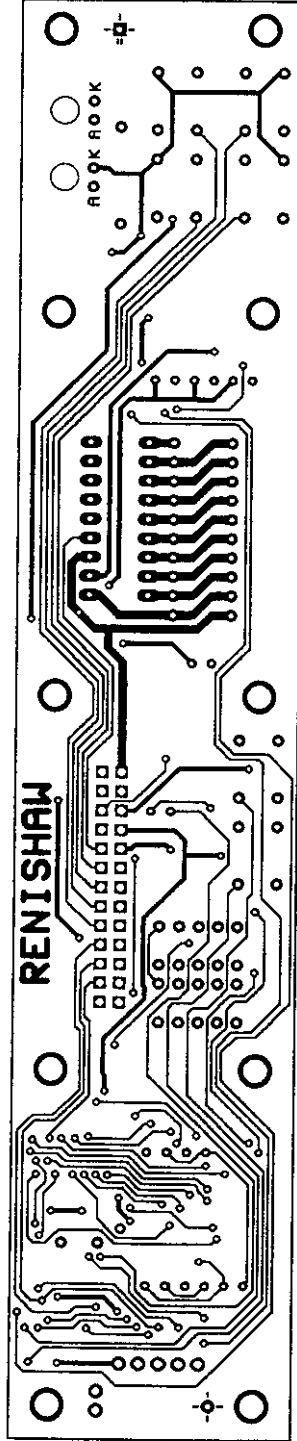
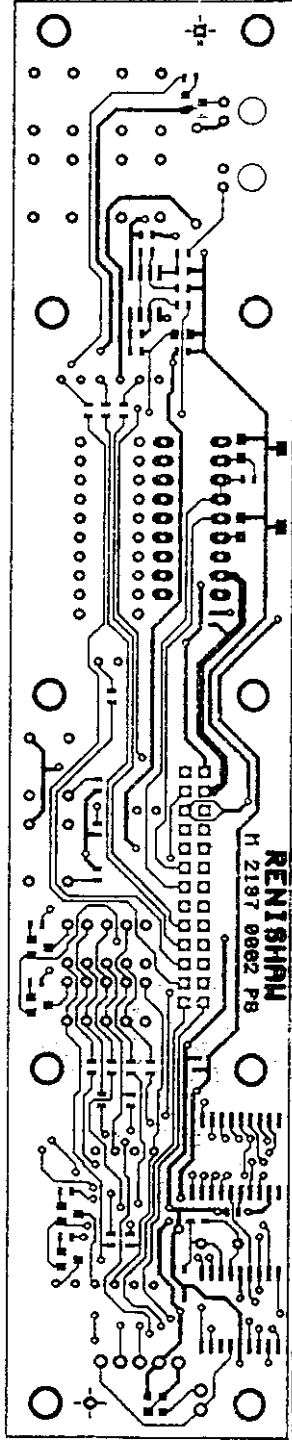
VIEW ON ARROW 'C'
SHOWING DIODE 'D8'
ORIENTATION.
NOT TO SCALE.

NOTES:-
PLACE LED, ITEM 13, (D7) IN SPACER, ITEM 14, PRIOR TO FITTING TO PWB.
PLACE LED'S, ITEM'S 10, (D1, D2, D3, D4, D5 AND D6) IN SPACER'S, ITEM 15, PRIOR TO FITTING TO PWB.

FCC ID: K06 H116-224

TITLE		OM16 PWB		DRAWING NO.		A-2137-0540-01-C	
MATERIAL TYPE CODE		R/		SCALE		U.O.S.	
MATERIAL		2:1		New Hills		Wotton - under - Edge	
REVISIONS		REVISED		DATE		BY	
1		1 OF 1		10-3-98		BP	
FIRST ISSUE NO.		547		CHECKED		JPF	
DRAWN BY		JPF		DATE		SEP 97	

[illegible]



FCC ID: KQG MI16-224

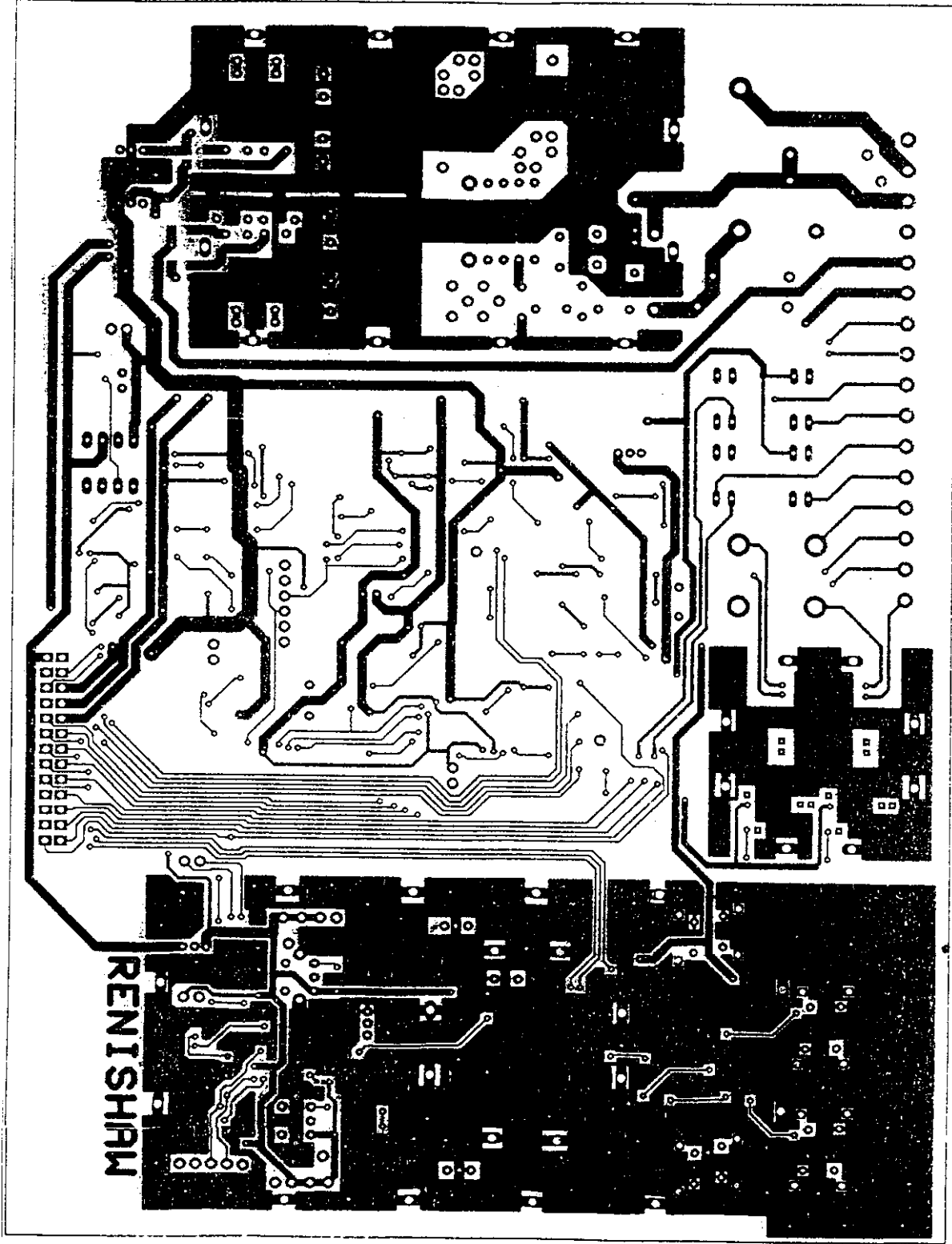
TITLE	FRONT PANEL PCB	FIRST ISSUE N°	DRAWN BY	DATE
MATERIAL		SHEET 1 of 1	JM CHANCY	10/02/97
			CHECKED	ISSUE DATE
				23/09/97

RENISHAW
New Mills
Motton Under Edge
Glos. England

0. PCB (Layer 8 A A 90° offset 0.1 0.3)

OTHERWISE STATED
DIMENSIONS IN MILLIMETERS TOL 0.25 ANGLES 2° ±
SHARP CORNERS-CHAMFER OR R 0.25 MAX
ALL RADII 0.25 MAX SURFACE TEXTURE 1.6
S 60 6H

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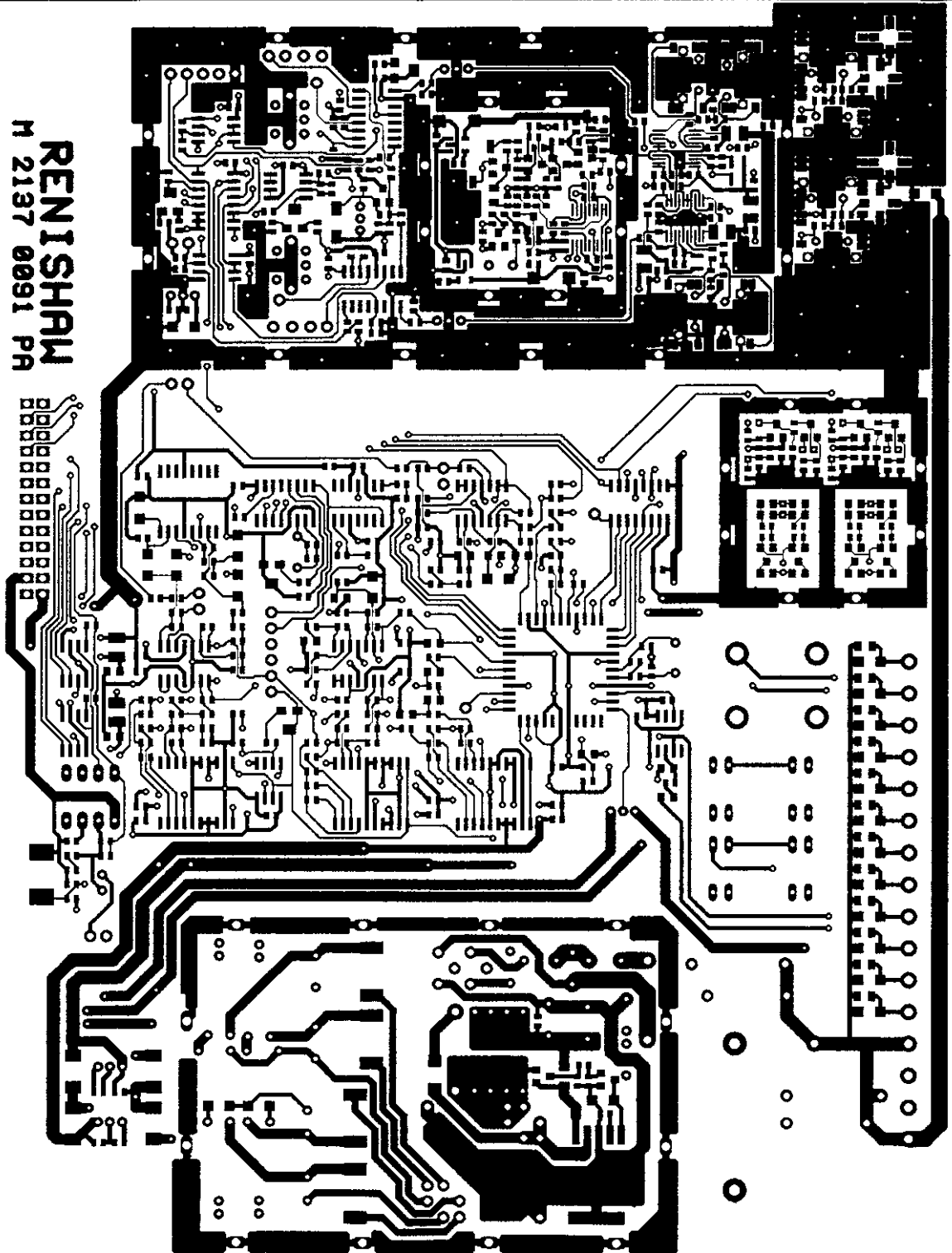
UNLESS OTHERWISE STATED
ALL DIMENSIONS IN MILLIMETERS TOL. 0.25 ANGLES 2°
REMOVE SHARP CORNERS-CHAMFER OR R. 0.25 MAX
INTERNAL RNDII 0.25 MAX SURFACE TEXTURE 1.6
THREDS 8G SH

FCC ID: KQG MI16-224

TITLE	MI16 US LP LOGIC PCB	FIRST ISSUE N°	DRAIN BY	DRAWING DATE
MATERIAL		SHEET	JH CHANCY	16 09 98
		SCALE	CHECKED	ISSUE DATE

RENISHAW	New Millie Bottom Under Edge Glas. Enfold	M 2137 0091 PA
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RENISHAW
M 2137 0091 PA



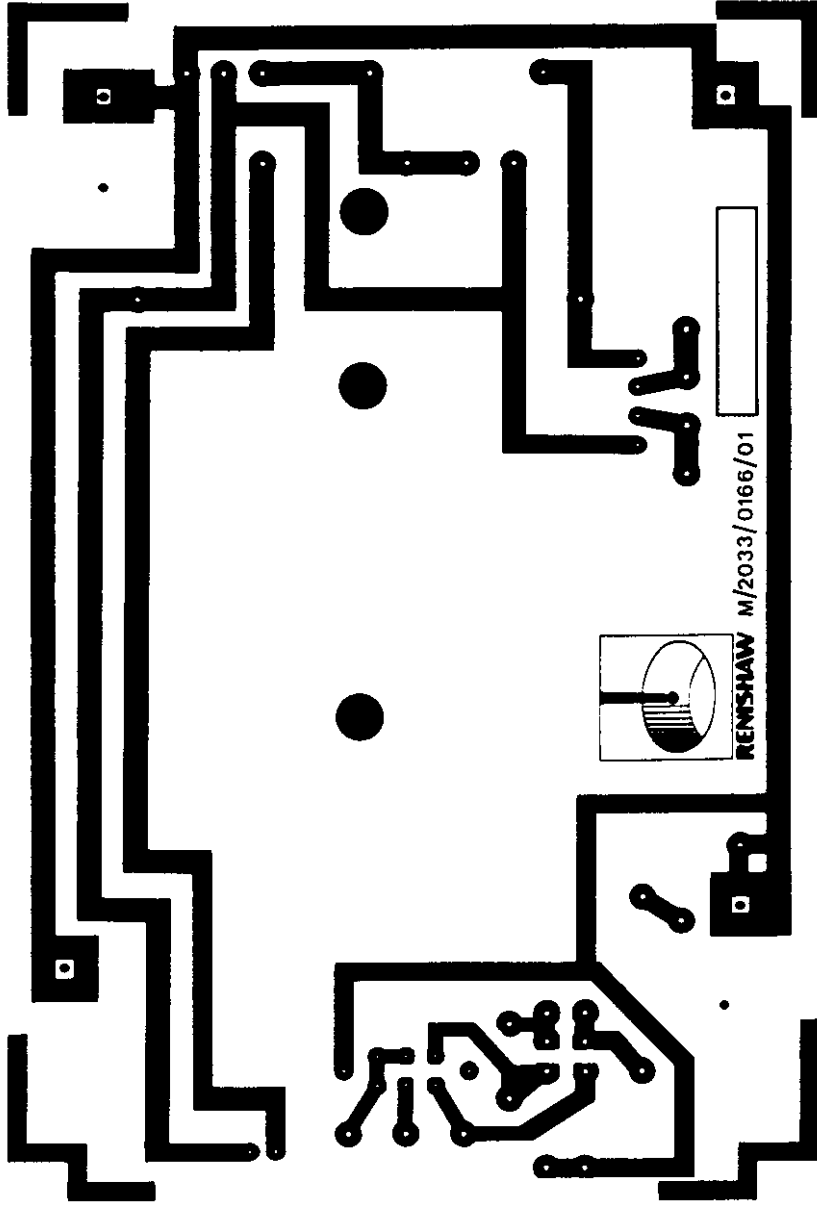
FCC ID: K06 MI16-224

TITLE MI16 US LP LOGIC PCB		FIRST ISSUE N° DRAWN BY		DRAWING DATE	
MATERIAL		JM CHANCY		15 09 98	
REVISION		CHECKED		ISSUE DATE	
M 2137 0091 PA		SHEET 1 of 2			

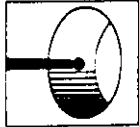
	0.2		0.2
	0.2		0.2
	0.2		0.2

UNLESS OTHERWISE STATED
ALL DIMENSIONS IN MILLIMETERS TO 0.25 MM
REMOVE SHARP CORNERS-CHAMFER OR R 0.25 MM
INTERNAL HOLE 0.25 MM SURFACE TEXTURE 1.6
THROUGH HOLE 0.4

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RENISHAW M/2033/0166/01



500 127



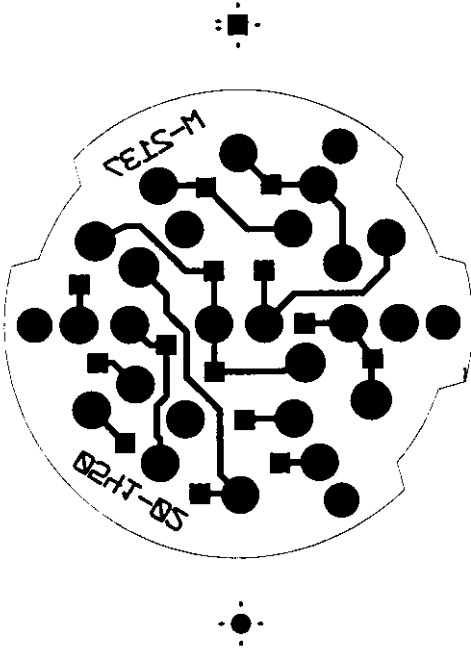
FCC ID: K06-MI16-224

ISSUE	ALTERATION	DATE	APPROV	3rd ANGLE PROJECTION	DESCRIPTION	DATE	APPROV
A		2011			RSU. PVB TRACK.		
				ALL DIMENSIONS IN MILLIMETRES TO FRANCES - 0 TO ANGLES - 0 30 REMOVE SHARP CORNERS & BURS	MATERIAL	CHECKED	PHO
					ASSEMBLY		EN
					Wotton-under-Edge Glas. England	SCALE 2:1	IND
						DRAWING No.	

RENISHAW

Wotton-under-Edge
Glas. England

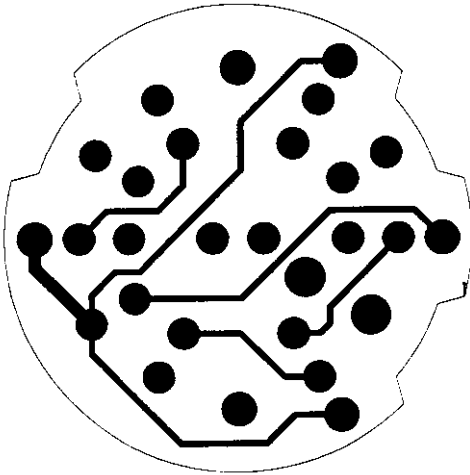
01-2011/0166/01



101.6 +-0.1mm

fcc ID: K06-MI16-224

RENISHAW OTTON-UNDER-EDGE GLOS ENGLAND	TITLE OM16 PWB SOLDER SIDE COPPER	DRAWN DATE FEB 98		DRAWN JPF	PRODN
				CHECKED BP	DESIGN DC
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101.6 +-0.1mm

fcc ID: KQ6-MI16-224

RENISHAW TTON-UNDER-EDGE GLOS ENGLAND		TITLE OM16 PWB COMPONENT SIDE COPPER		DRAWN DATE FEB 98	DRAWN JPF	PRODN
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						DATE

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