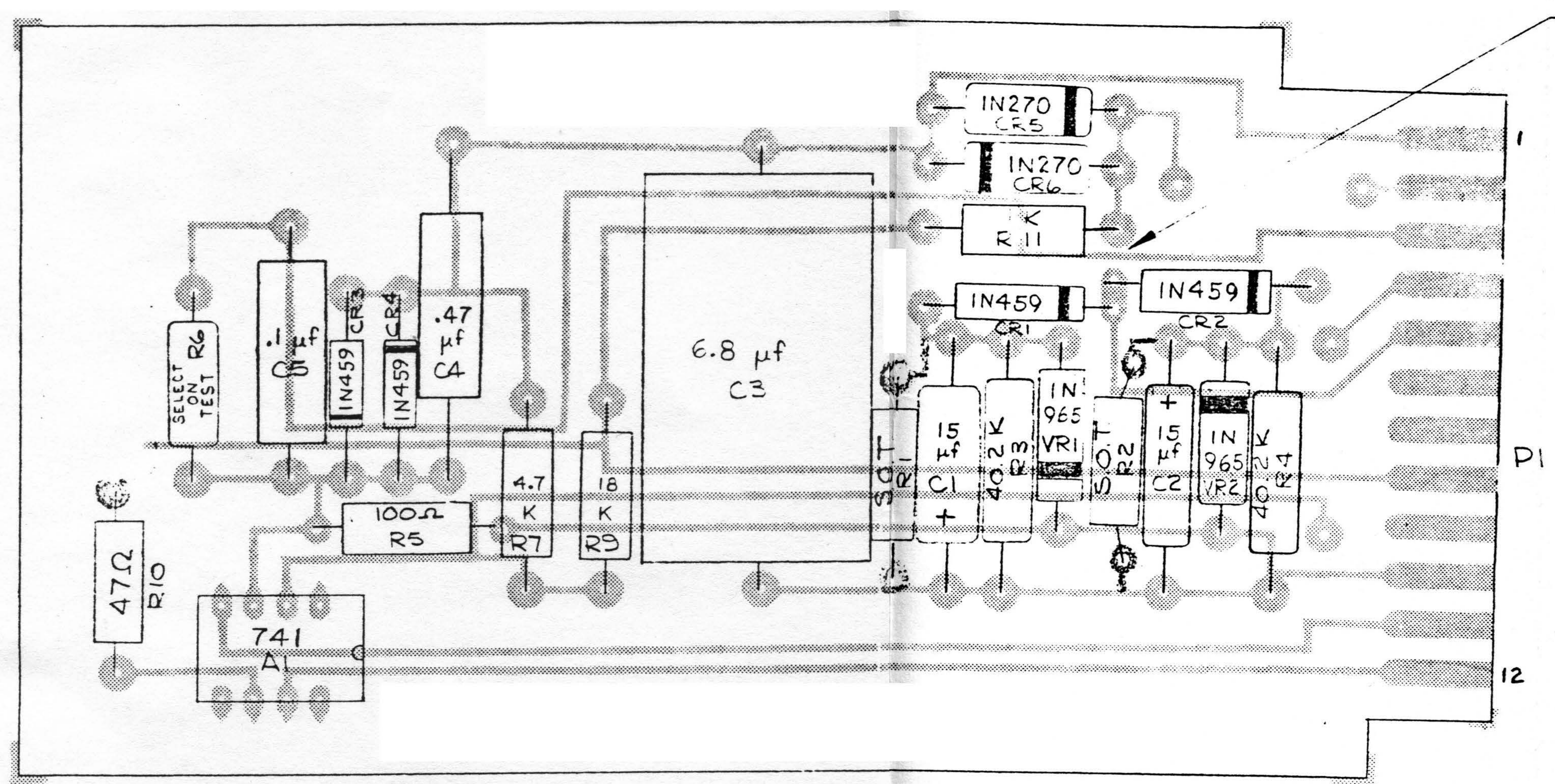


PARTS LIST			-GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB		
TITLE			REV		ECN	DATE	CKD	REV	ECN	DATE	CKD	LIST NUMBER			
			M	663									11215.02.02		
MODEL			N		1178							SHEET 1 OF 1 SHEETS			
			P		1225							DRN L.M. CKD			
			R		1510							DATE 4/4/77 APP IM			
REV	ITEM	DESCRIPTION	QTY	CODE	MANUFACTURER				PART NUMBER			CIRCUIT REF			
R	1	Printed Circuit Board	1	PS					11215.02.07 Rev. B			A1			
	2	Amplifier	1	PS					LM741CN			CR1 - 4			
	3	Diode	4	PS					1N459			CR5, 6			
	4	Diode	2	PS					1N270			VR1, 2			
	5	Diode	2	PS					1N965B			R5			
	6	Resistor Carbon $\frac{1}{2}$ W 100 ohms 5%	1	PS					CR37						
	7	Delete													
	8	Resistor Carbon $\frac{1}{2}$ W 1K 5%	1	PS					CR37			R11			
	9	Resistor Carbon $\frac{1}{2}$ W 18K 5%	1	PS					CR37			R9			
	10	Resistor Carbon $\frac{1}{2}$ W S.O.T. 5%	3	PS					CR37			R1, 2, 6			
	11	Resistor Carbon $\frac{1}{2}$ W 4.7K 5%	1	PS					CR37			R7			
	12	Delete													
P	13	Resistor Carbon $\frac{1}{2}$ W 47 ohms 5%	1	PS					CR37			R10			
	14	Resistor 40.2K 1% 5%	2	PS	I.R.C.				MEBTO			R3, 4			
	15	Capacitor 6.8uf 63V	1	PS	Siemens				B32110-F9685			C3			
	16	Capacitor 15uf 20V	2	PS					CSR13E156K-L			C1, 2			
	17	Capacitor .47uf 250V	1	PS	Phillips				281ABA470K			C4			
	18	Capacitor .1uf 250V	1	PS	Phillips				281ABA100K			C5			

REV.	DESCRIPTION	DATE	APP.
J	ECN 566	26-2-73	
K	ECN 1225	25-10-73	
L	ECN 1510		



CHECK THIS AREA TO ENSURE A GAP BETWEEN FAD AND TRACK.

TOLERANCES DECIMAL FRACTIONAL ANGULAR UNLESS ± .00 .010 ± 1/64 ± 1/2° SPECIFIED: ± .000 .003			ALL DIMENSIONS ARE IN INCHES BREAK ALL SHARP CORNERS .010 MAX.		
DRAWN <u>PM</u> DATE <u>26-2-73</u> CHECKED <u>CWC</u> DATE <u>MAR 21, 73</u> APPROVED <u>IM</u> DATE <u>MAR 23, 73</u>			MAT'L FINISH TITLE <u>FLUX DETECTOR AMP.</u> <u>P.C. BOARD</u>		
9975 9932 UNIT NEXT ASSY. QTY. USED ON			GUILDLINE INSTRUMENTS LTD. SMITHS FALLS, ONTARIO CANADA SIZE B DRAWING NO. 11215.02.02 REV L SCALE 2:1 SHEET 1 OF 1		

PARTS LIST

GUILDLINE INSTRUMENTS LTD

FAM TREE KEY PCB

TITLE

Tracking Control
PCB Assembly

LIST NUMBER

11216.02.02

MODEL

9975

SHEET 1 OF 1 SHEETS
DRN L.M. CKD 9/9/77
DATE 4/4/77 APP JG

REV ITEM

DESCRIPTION

QTY CODE

MANUFACTURER

PART NUMBER

CIRCUIT REF

S

Printed Circuit Board
Resistor Carbon $\frac{1}{2}$ W 510 ohms 5%
Resistor Carbon $\frac{1}{2}$ W 33 ohms 5%
Resistor Carbon $\frac{1}{2}$ W 47K 5%
Resistor Carbon $\frac{1}{2}$ W 10K 5%
Resistor Carbon $\frac{1}{2}$ W 3.3K 5%
Resistor Carbon $\frac{1}{2}$ W 2.7K 5%
Resistor Carbon $\frac{1}{2}$ W 270K 5%
Resistor Carbon $\frac{1}{2}$ W 47 ohms 5%
Capacitor .1uf 250V
Amplifier
Operational Amplifier
Trimpot 50K
Trimpot 10K

1
1
1
1
3
1
1
1
1
2
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2
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1
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PS
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PS

T

Philips

U

Analog

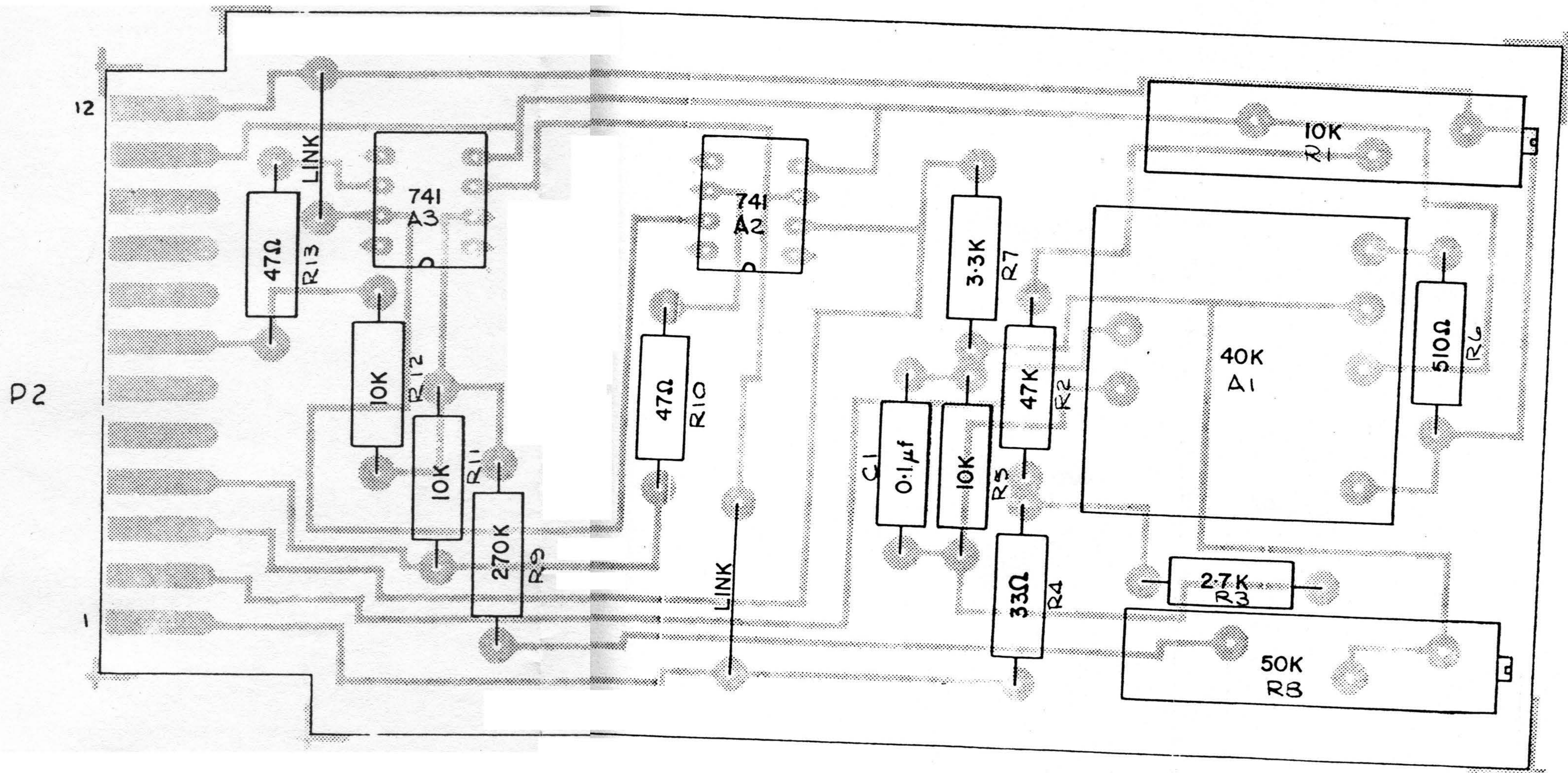
U

11216.02.07 Rev. 0

CR37
CR37
CR37
CR37
CR37
CR37
CR37
CR37
CR37
C281AB/ALOOK
LM741CN
40K
RV-450-20-50K
RV-450-20-10K

R6
R4
R2
R5, 11, 12
R7
R3
R9
R10, 13
C1
A2, 3
A1
R8
R1

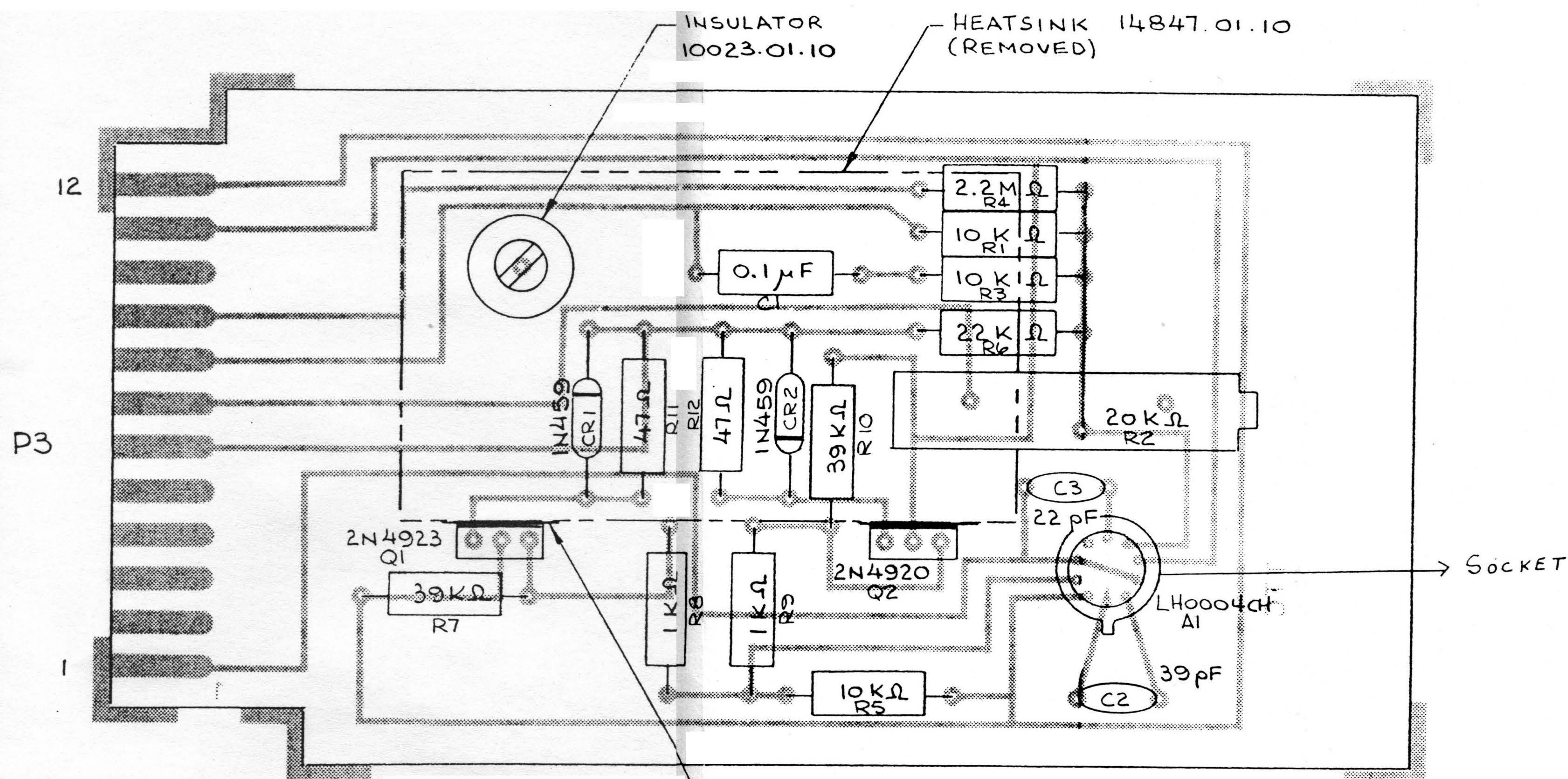
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVAL
M	ECN 566 REDRAWN	27-2-73	
N	ECN 724	30-1-74	
P	ECN 1225	25-10-73	



TOLERANCES DECIMAL UNLESS ± .00 .010 SPECIFIED: ± .000 .003		FRACTIONAL ± 1/64	ANGULAR ± 1/2°	ALL DIMENSIONS ARE IN INCHES BREAK ALL SHARP CORNERS .010 MAX.
DRAWN t. koehler		MAT'L		GUILDLINE INSTRUMENTS LTD. SMITHS FALLS, ONTARIO CANADA
DATE 27 FEB 73		FINISH		
CHECKED CWC		TITLE		
DATE MAR 21 73		TRACKING CONTROL		SIZE B
APPROVED IM		DRAWING NO 11216.02.02		REV
DATE 11 MAR 73				

9975		1
UNIT	NEXT ASSY	QTY
USED ON		

PARTS LIST			GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB	
TITLE			REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	DATE	CKD	LIST NUMBER	
Slave Current Supply			N	1126	15-11-76	42	S	1428					11217.03.02	
MODEL 9975			P	1178									SHEET 1 OF 1 SHEETS	
			Q	1225									DRN CKD Per CKD	
			R	1330									DATE 15-11-76 APP J17	
REV	ITEM	DESCRIPTION	QTY CODE			MANUFACTURER				PART NUMBER			CIRCUIT REF	
N	1	Printed Circuit Board	1							11217.01.07	Rev F			
P	2	Resistor Carbon 1W 10K	3							CR37			R1, 3, 5	
	3	Resistor Carbon 1W 39K	2							CR37			R7, 10	
	4	Resistor Carbon 1W 1K	2							CR37			R8, 9	
	5	Resistor Carbon 1W 47 ohms	2							CR37			R11, 12	
	6	Resistor Carbon 1W 2.2M	1							CR37			R4	
	7	Resistor Carbon 1W 22K	1							CR37			R6	
	8	Transistor	1							2N4923			Q1	
	9	Transistor	1							2N4920			Q2	
	10	Capacitor 22pf	1						Centralab	DD220			C3	
	11	Capacitor .1uf 250V	1						Phillips	C281AB/A100K			C1	
	12	Capacitor 39pf	1						Centralab	DD390			C2	
	13	Diode	2							1N459			CR1, 2	
	14	Integrated Circuit	1						N.S.	LH0004CH			A1	
	15	Trimpot 20K	1						I.R.C.	600-20-20K			R2	
	16	Heatsink	1			F.S.			Guildline	14847.01.10				
	17	Insulator	1			F.S.			Guildline	10023.01.10				
R	18	10 Pin Socket	1						Robinson & Nugent	SD51710-23				
S	19	Washer, Mica	2							B52600F003				



MICA WASHER (TYP)
4-40 X 3/16 B.H. SCREWS
#4 L/W

GUILDLINE INSTRUMENTS LTD.

DWN *[initials]*
CHKD *[initials]*

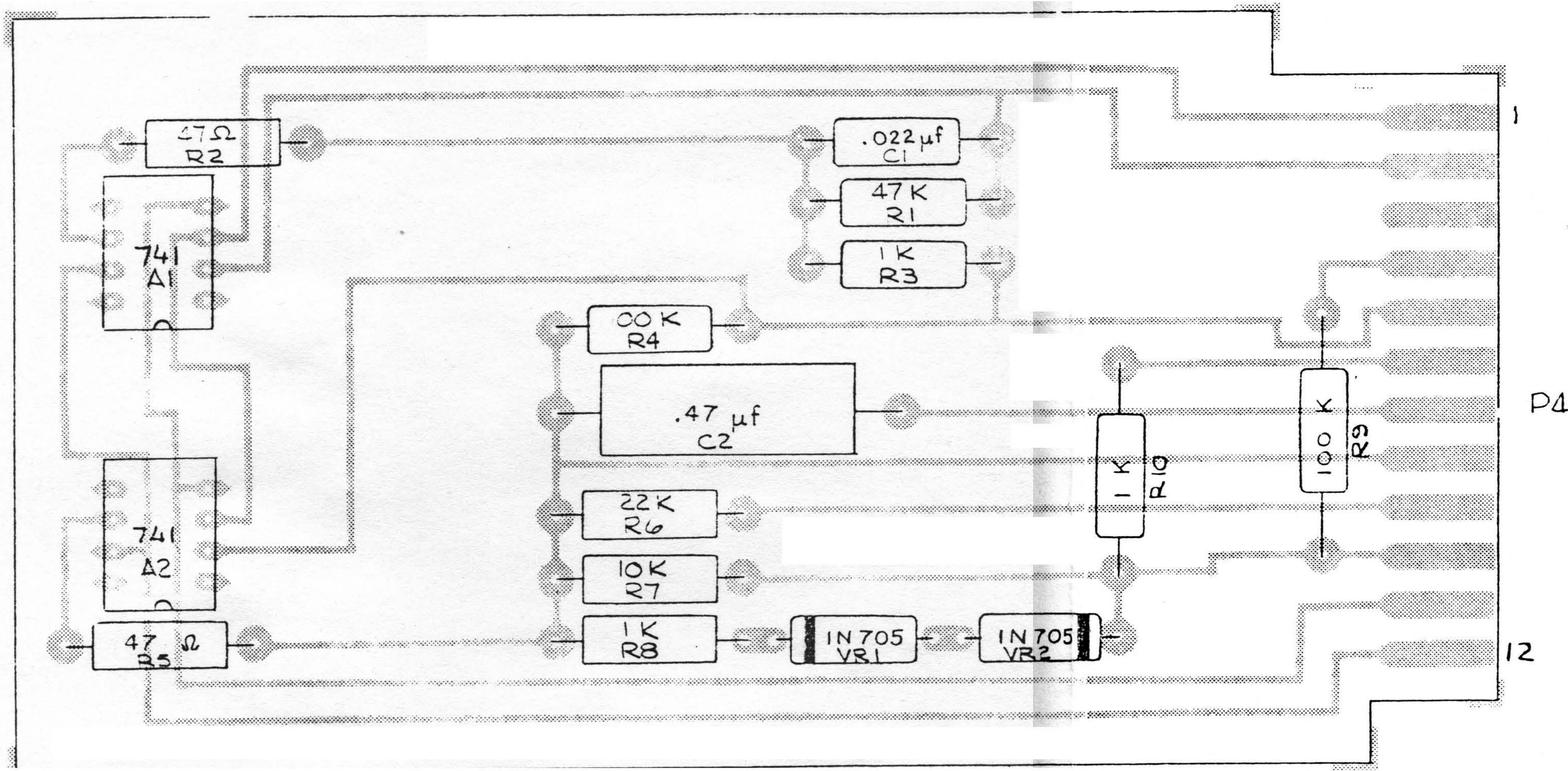
SLAVE CURRENT SUPPLY
PCB ASSEMBLY

9975 APVD IM
MODEL SCALE 2:1

DWG NO 11217.03.02 REV E

PARTS LIST			GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB			
TITLE			LIST NUMBER										11218.02.02			
MODEL			SHEET 1 OF 1 SHEETS										DRN L.M. CKD			
9975			DATE 4/4/77 APP IM													
REV	ITEM	DESCRIPTION	REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	PART NUMBER	CIRCUIT REF
	1	Printed Circuit Board													11218.02.07 Rev. B1	R3, 8, 10
	2	Resistor Carbon 1W 1K													CR37	R7
	3	Resistor Carbon 1W 10K													CR37	R4, 9
	4	Resistor Carbon 1W 100K													CR37	R1
	5	Resistor Carbon 1W 47K													CR37	R6
	6	Resistor Carbon 1W 22K													CR37	R2, 5
	7	Resistor Carbon 1W 47 ohms													CR37	C2
	8	Capacitor .47uf 250V													281ABA470K	C1
	9	Capacitor .022uf 250V													281ABA22K	VR1, 2
	10	Diode													1N705A	A1, 2
	11	Amplifier													LM741CN	

REV.	DESCRIPTION	DATE	APPR
G	REL ECN 566	28-2-73	
H	ECN NO. 1225	25-10-78	



9975		1
UNIT	NEXT ASSY	QTY
USED ON		

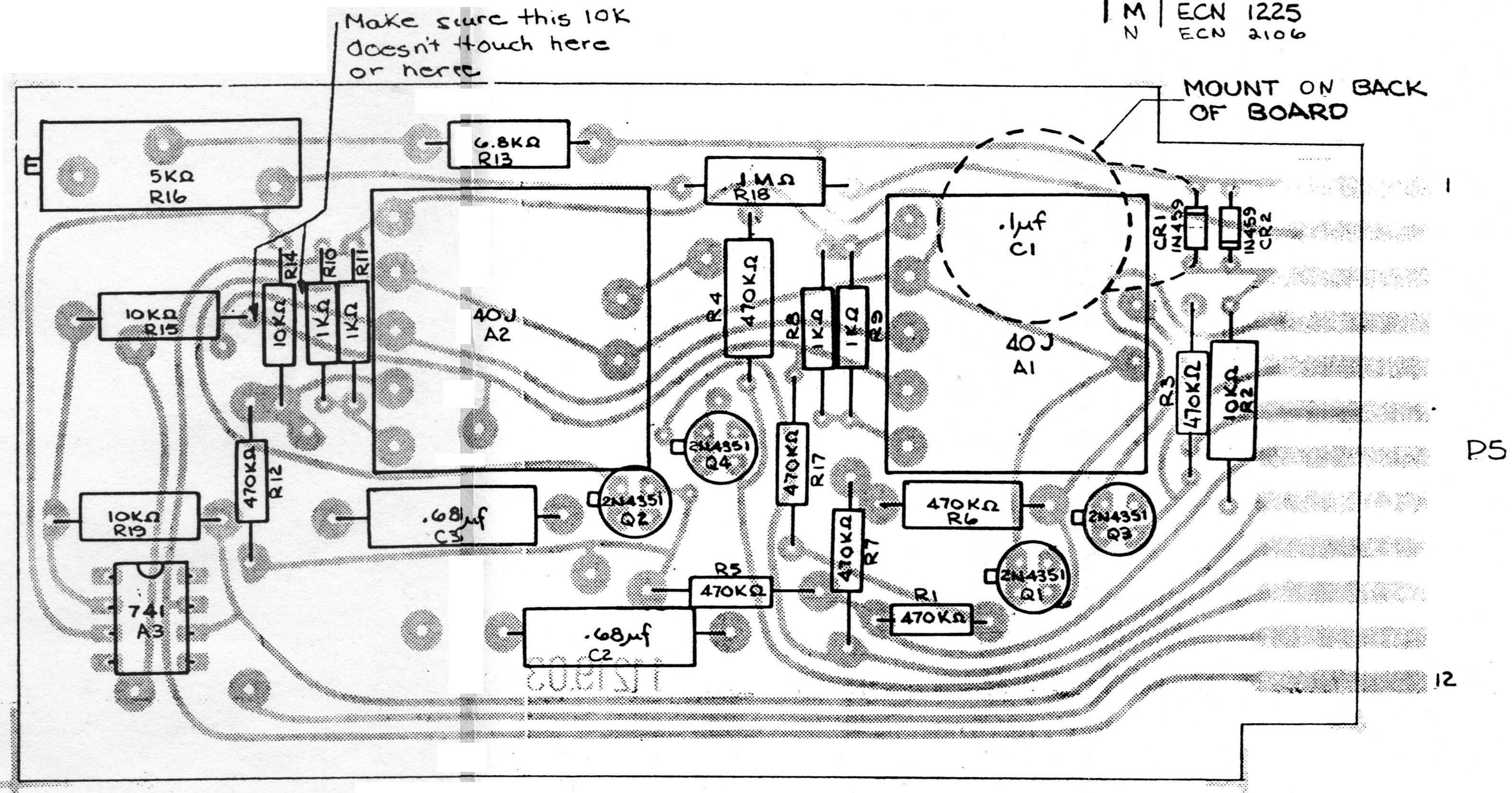
TOLERANCES DECIMAL FRACTIONAL ANGULAR		ALL DIMENSIONS ARE IN INCHES	
UNLESS ± .00 .010 ± 1/64 ± 1/2°		BREAK ALL SHARP CORNERS .010 MAX.	
DRAWN <i>PM</i>		MAT'L	
DATE 28-2-73		FINISH	
CHECKED <i>CWC</i>		TITLE	
DATE <i>MAR 21 73</i>		NANOVOLT DETECTOR	
APPROVED <i>IM</i>		AMPLIFIER PCB. ASSY	
DATE <i>11-6-73</i>		SCALE 2:1	
		DRAWING NO 11218-02-02	
		SHEET 1 OF 1	

GUILDLINE INSTRUMENTS LTD.
SMITHS FALLS, ONTARIO CANADA

Rev T	ECN No	2106	BILL OF MATERIALS		Bill No. PL11219.03.02 Sht 1 of 1	
Appr	Date	23/06/83	GUILDLINE INSTRUMENTS LTD.			
			Title Demodulator PCB		Model Number 9975	
Code	Qty	Stock Number	Description	Cct Reference	Mfr Part Number	Mfr
S	1	11219.03.07C	Printed Circuit Board			
F	8	737-01899	Resistor	R1, 3-7, 12, 17	CR37 TOL5 470K Ω	Philips
F	4	737-01351	Resistor	R2, 14, 15, 19	CR37 TOL5 10K Ω	Philips
F	1	737-01314	Resistor	R13	CR37 TOL5 6.8K Ω	Philips
F	1	737-03399	Resistor	R18	CR37 TOL5 1M Ω	Philips
F	4	737-01200	Resistor	R8-11	CR37 TOL5 1K Ω	Philips
S	1	300-05025	Variable Resistor	R16	600-20-5K	I.R.C.
S	2	045-00962	Capacitor	C2, 3	C280AE/A680K	Philips
S	1	049-11050	Capacitor	C1	UK 50-104	Centralab
S	2	075-46142	Diode	CR1, 2	1N459	
S	1	200-40350	I.C. Linear	A3	LM741CN	
S	4	801-70100	Transistor	Q1-4	2N4351	
S	2	200-40198	I.C. Linear	A1, 2	40J	Analog

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVA
H	REDRAWN ECN 601	10/4/78	K
J	ECN 742	12-3-77	
L	ECN 1177	17-3-77	
M	ECN 1225	23-10-78	
N	ECN 2106		

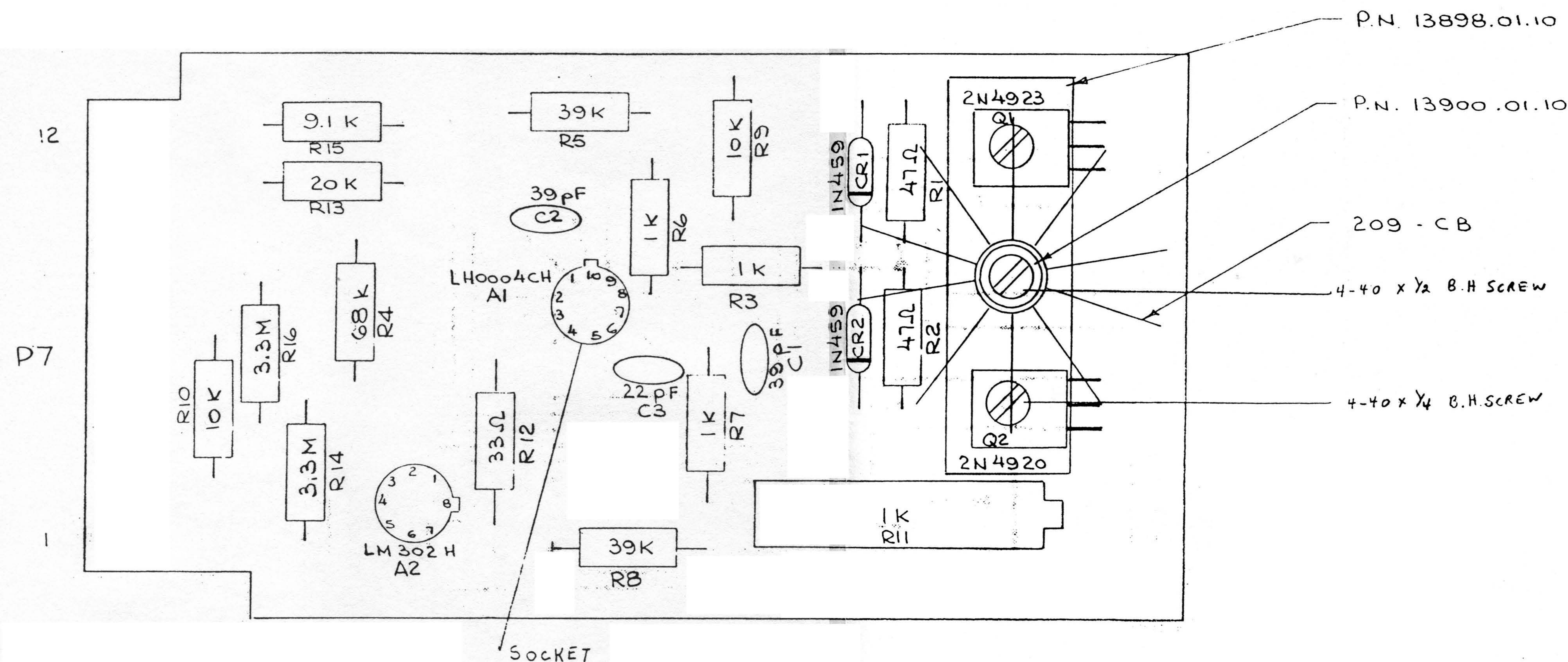
Note: Install A1, A2 first



TOLERANCES DECIMAL FRACTIONAL ANGULAR		ALL DIMENSIONS ARE IN INCHES	
UNLESS ± .00 .010 ± 1/64 ± 1/2°		BREAK ALL SHARP CORNERS .010 MAX.	
SPECIFIED: ± .000 .003			
DRAWN <i>DB</i>		MAT'L	
DATE 10/4/73		FINISH	
CHECKED <i>AB</i>		TITLE	
DATE		UNBALANCE SIGNAL DEMODULATOR	
APPROVED <i>IT</i>		GUILDLINE INSTRUMENTS LTD.	
DATE		SMITHS FALLS, ONTARIO CANADA	
UNIT		SIZE	DRAWING NO.
NEXT ASSY.		B	11219.03.02
QTY.		SCALE	REV
USED ON		2:1	N
		SHEET 1	OF 1

Rev Q	ECN No 2294	BILL OF MATERIALS GUILDLINE INSTRUMENTS LTD.			Bill No 11220.02.02	Sht 1 of 1
ppr	Date 23/06/83	Title Master Reversing Control PCB Assembly				
ode	Qty	Stock Number	Description	Cct Reference	Mfr Part Number	Mfr
S	1	11220.02.07B	Printed Circuit Board			
F	4	737-01314	Resistor	R10, 11, 16, 17	CR37 TOL5 6.8KΩ	Philips
F	2	737-01394	Resistor	R6, 7	CR37 TOL5 22KΩ	Philips
F	2	737-01448	Resistor	R13, 14	CR37 TOL5 47KΩ	Philips
F	1	737-00199	Resistor	R2	CR37 TOL5 47Ω	Philips
F	2	737-01415	Resistor	R9, 19	CR37 TOL5 27K	Philips
S	2	038-01055	Capacitor	C1, 4	TE 1301	Philips
S	2	041-00840	Capacitor	C2, 3	TAG 4.7/35	Sprague
S	4	075-46142	Diode	CR1-4	1N459	I.T.T.
S	4	801-80300	Transistor	Q1-4	2N3905	
S	1	200-40350	I.C. Linear	A1	LM741CN	
F	6	737-01281	Resistor	R4, 5, 15, 18	CR37 TOL5 4.7KΩ	Philips
S	2	300-05025	Variable Resistor	R1, 3	600-20-5K	VRN
S	2	041-01269	Capacitor	C5, C6	TAG 10/35	ITT

Rev V ECN No 2106			BILL OF MATERIALS		Bill No.PL11221.02.02 Sht1 of 1	
Appr Date 23/06/83			GUILDLINE INSTRUMENTS LTD.			
Title Master Current Supply					Model Number 9975	
Code	Qty	Stock Number	Description	Cct Reference	Mfr Part Number	Mfr
S	1	11221.02.07H	Printed Circuit Board			
F	2	737-01351	Resistor	R9, 10	CR37 TOL5 10KΩ	Philips
F	2	737-01437	Resistor	R5, 8	CR37 TOL5 39KΩ	Philips
F	2	737-02975	Resistor	R14, 15	CR37 TOL5 3.3MΩ	Philips
F	3	737-01200	Resistor	R3, 6, 7	CR37 TOL5 1KΩ	Philips
F	1	737-00166	Resistor	R12	CR37 TOL5 33Ω	Philips
F	2	737-00199	Resistor	R1, 2	CR37 TOL5 47Ω	Philips
F	1	737-01340	Resistor	R15	CR37 TOL5 9.1KΩ	Philips
F	1	760-00760	Resistor, 20k 1/4w	R13	RN60D 2002F	
F	1	737-01481	Resistor	R4	CR37 TOL5 68KΩ	Philips
S	1	200-40264	I.C. Linear	A2	LM302H	
S	1	200-40132	I.C. Linear	A1	LH0004CH	N.S.
S	1	300-05015	Variable Resistor	R11	600-20-1K	VRN
S	1	801-75650	Transistor	Q1	2N4923	
S	1	801-80450	Transistor	Q2	2N4920	
S	2	075-46142	Diode	CR1, 2	1N459	
F	2	049-00390	Capacitor	CL, 2	DD390	Centralab
F	1	049-00220	Capacitor	C3	DD220	Centralab
S	1	158-01060	Heatsink		209-CB	Delta-T
S	1	13898.01.10	Heatsink			Guilddline
S	1	13900.01.10	Pillar			Guilddline
S	1	410-04004	Socket			Robinson-Nugent
F	2	150-11032	Washer			Motorola
					SD51710-23	
					B52600F003	

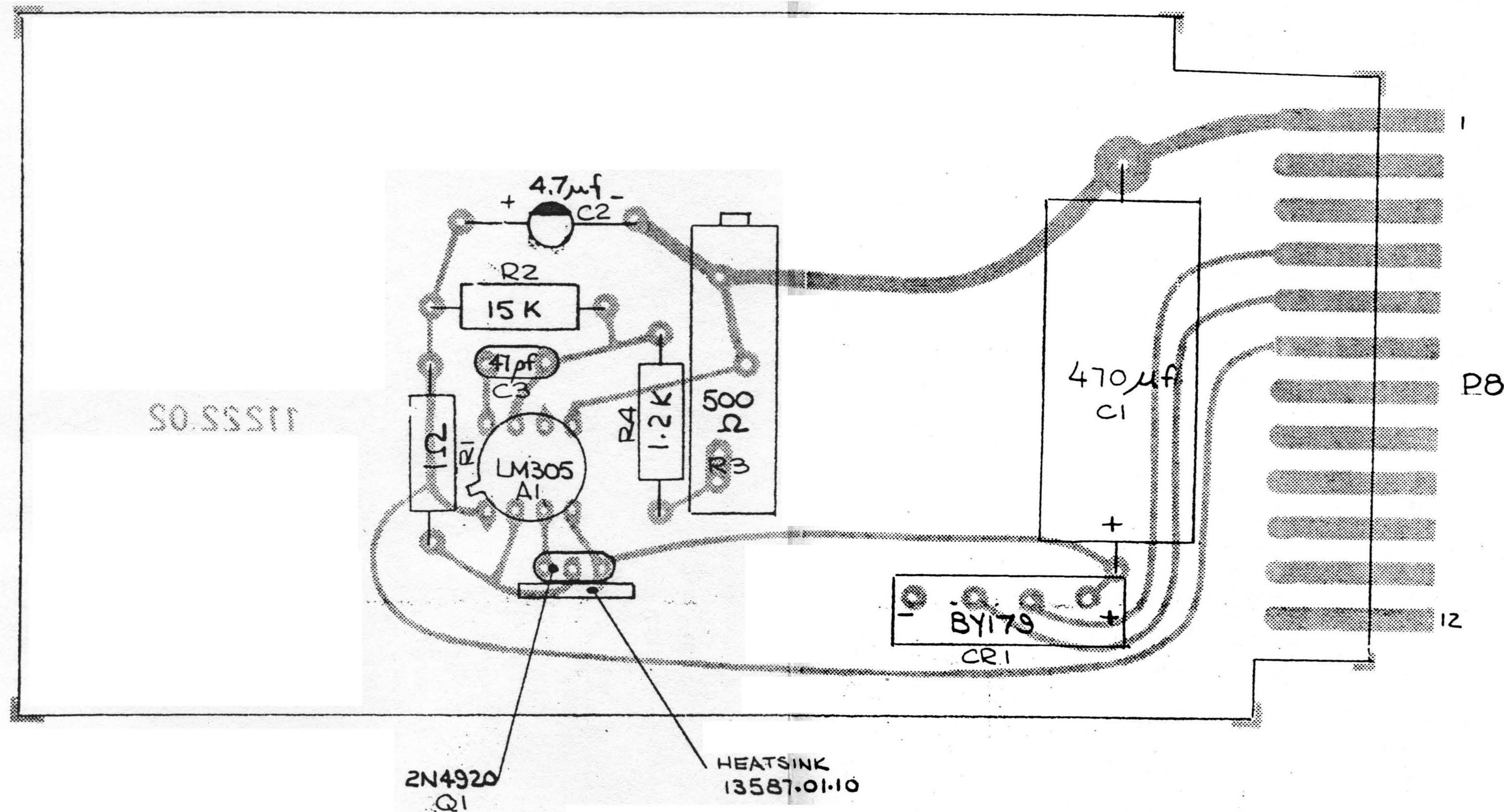


NOTE: INSTALL MICA WASHERS BETWEEN
Q1, Q2 AND HEATSINK.

GUILDLINE INSTRUMENTS LTD.			
DWN AK 6-12-76		MASTER CURRENT SUPPLY PCB ASSEMBLY	
CHKD AK			
9975	APVD IM		
MODEL	SCALE 2:1	DWG NO 11221.02.02	REV M

PARTS LIST			GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB		
TITLE			REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	LIST NUMBER
18V DC Power Supply PCB Assembly			H	714											11222.02.02
			J	1178											
MODEL 9975, 9932			K	1225											
															SHEET 1 OF 1 SHEETS
															DRN L.M. CKD
															DATE 4/4/77 APP JLT
EV ITEM	DESCRIPTION		QTY		CODE		MANUFACTURER				PART NUMBER			CIRCUIT REF	
1	Printed Circuit Board		1		PS						11222.02.07 Rev. B			Q1	
2	Transistor		1		PS						2N4920			R3	
3	Trimpot 500 ohms		1		PS						RV-600-20-500			CR1	
4	Bridge Rectifier		1		PS						BY179				
5	Amplifier		1		PS		N.S.				LM305H			A1	
6	Resistor Carbon $\frac{1}{4}$ W 1 ohm		1		PS						CR37			R1	
7	Resistor Carbon $\frac{1}{4}$ W 1.2K		1		PS						CR37			R4	
8	Resistor Carbon $\frac{1}{2}$ W 15K		1		PS						CR37			R2	
9	Capacitor 470uf 40V		1		PS		Philips				437ETG470			C1	
10	Capacitor 4.7uf 35V		1		PS		I.T.T.				TAG 4.7/35			C2	
11	Capacitor 47pf		1		PS		Centralab				DD470			C3	
12	Heatsink		1		FS		Guildline				13587.01.10				

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVA
F	ECN 566	1-8-73	
G	ECN 1178	5-4-77	
H	ECN 1225	26-10-78	
J	ECN 2106		



NOTE: TRANSISTOR IS MOUNTED TO HEATSINK ON COPPER-CLAD SIDE 4-40 x Y4 B.H. SCREWS

TOLERANCES DECIMAL FRACTIONAL ANGULAR UNLESS ± .00 .010 ± 1/64 ± 1/2° SPECIFIED: ± .000 .003			ALL DIMENSIONS ARE IN INCHES BREAK ALL SHARP CORNERS .010 MAX.		
DRAWN <i>t. Koehler</i>			MAT'L		
DATE 1 MAR 73			FINISH		
CHECKED <i>CWC</i>			TITLE		
DATE MAR 21 73			18 V. DC. POWER SUPPLY		
APPROVED <i>IM</i>			GUILDLINE INSTRUMENTS LTD. SMITHS FALLS, ONTARIO CANADA		
DATE <i>Mar 23 73</i>			SIZE B DRAWING NO. 11222.02.02		
UNIT NEXT ASSY. QTY.			SCALE 2:1 SHEET 1 OF 1		
USED ON					

PARTS LIST

GUILDLINE INSTRUMENTS LTD

FAM TREE KEY PCB

TITLE

Reversing Timer PCB

[illegible]

R	1177
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S	1225	TH	✓	20
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LIST NUMBER

11223.02.02

MODEL

9975

SHEET 1 OF 1 SHEETS

DATE	17-3-77	DWN	LV
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CHKD	☒	APVD	17
------	-------------------------------------	------	----

EV ITEM

DESCRIPTION

QTY	CODE
-----	------

MANUFACTURER

PART NUMBER

CIRCUIT REF.

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Printed Circuit Board	
Resistor	6.8K
Resistor	100K
Resistor	12K
Resistor	15K
Resistor	68K
Capacitor	22uf 35V
Capacitor	82uf 20V
Capacitor	.01uf 100V
Diode	
Diode	
Transistor	
Transistor	
Transistor	

PS	1
PS	6
PS	9
PS	1
PS	6
PS	2
PS	2
PS	2
PS	2
PS	1
PS	7
PS	7
PS	2
PS	2
PS	2
PS	7
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PS	2

PS PS PS PS PS PS PS PS PS PS PS PS PS PS PS

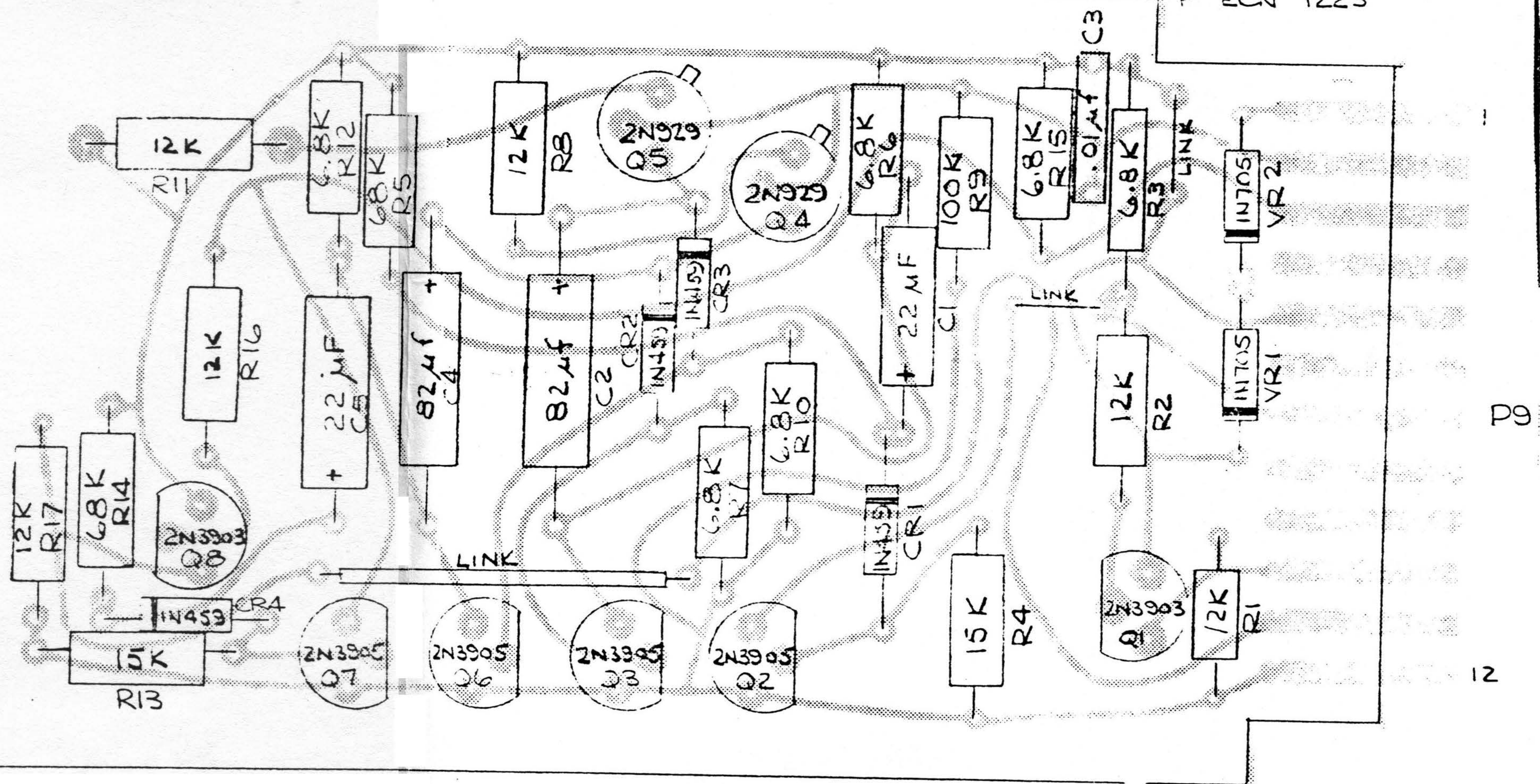
11223.02.07 Rev. B

CR37	
CR37	
CR37	
CR37	
CR37	
CSR13F226K-L	
CSR13E826K	
281CGA10K	
1N459	
1N705	
2N3903	T092
2N3905	T092
2N520	

Phillips

R3, 6, 7, 10, 12, 15
R9
R1, 2, 8, 11, 16, 17
R4, 13
R5, 14
C1, 5
C2, 4
C3
CR1 - 4
VR1, 2
Q1, 8
Q2, 3, 6, 7
Q4, 5

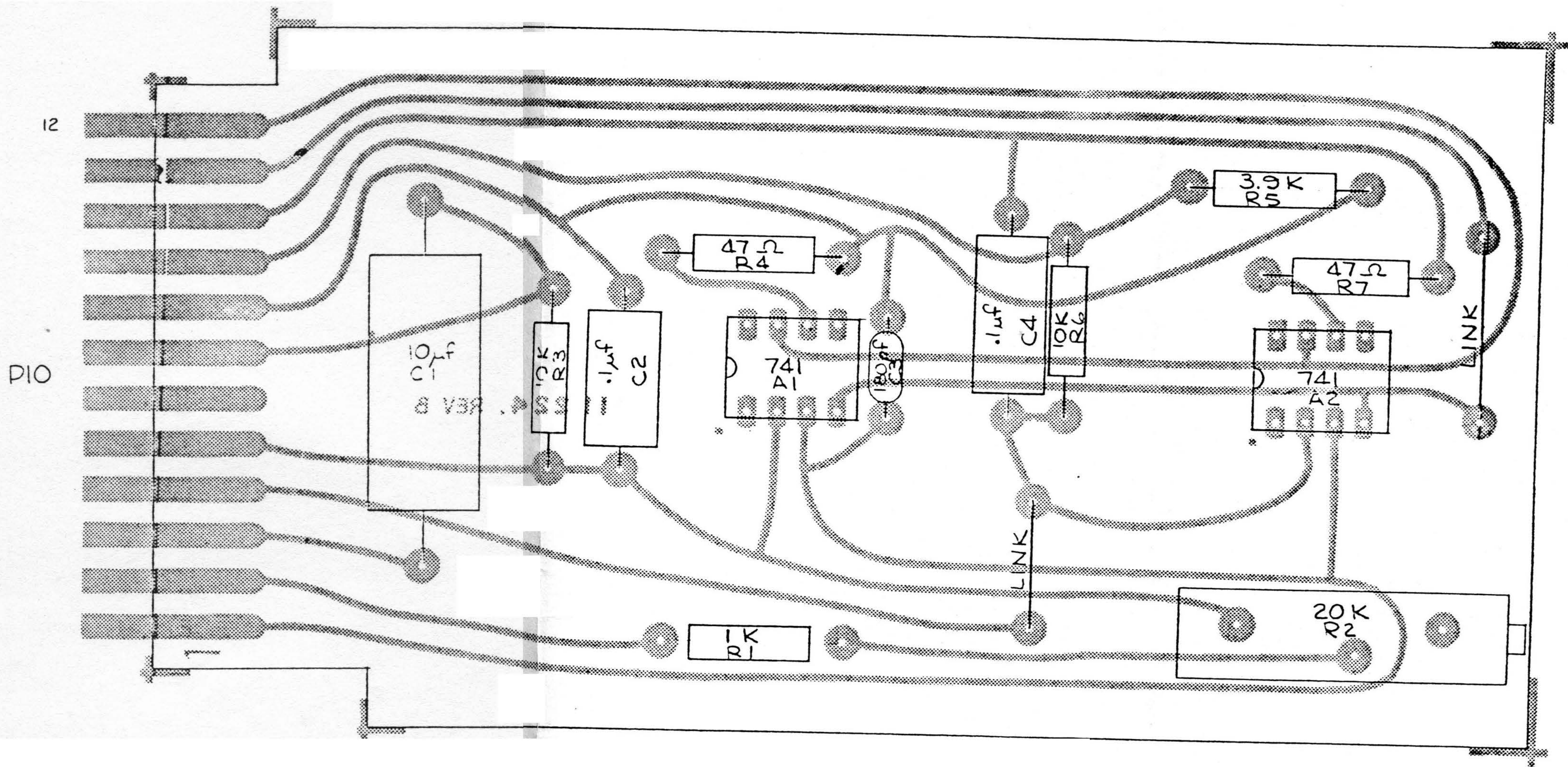
REVISIONS			
REV	DESCRIPTION	DATE	APPROV
K	ECN 566	28-2-75	
L	ECN 1019	1-6-76	
M	ECN 1126		
N	ECN 1177	17-3-77	
P	ECN 1225	26-10-78	



TOLERANCES DECIMAL		FRACTIONAL	ANGULAR	ALL DIMENSIONS ARE IN INCHES			
UNLESS ± .00 .010		± 1/64	± 1/2°	BREAK ALL SHARP CORNERS .010 MAX.			
SPECIFIED: ± .000 .003							
DRAWN t koehler		MAT'L		GUILDLINE INSTRUMENTS LTD. SMITHS FALLS, ONTARIO CANADA			
DATE 28 FEB 73		FINISH					
CHECKED CWC		TITLE REVERSING TIMER PCB ASSY		SIZE	DRAWING NO	REV	
DATE MAR 21 73				B	11223.02.02	1	
APPROVED IM				SCALE 2 1		SHEET 1	OF 1
DATE March 21 73							

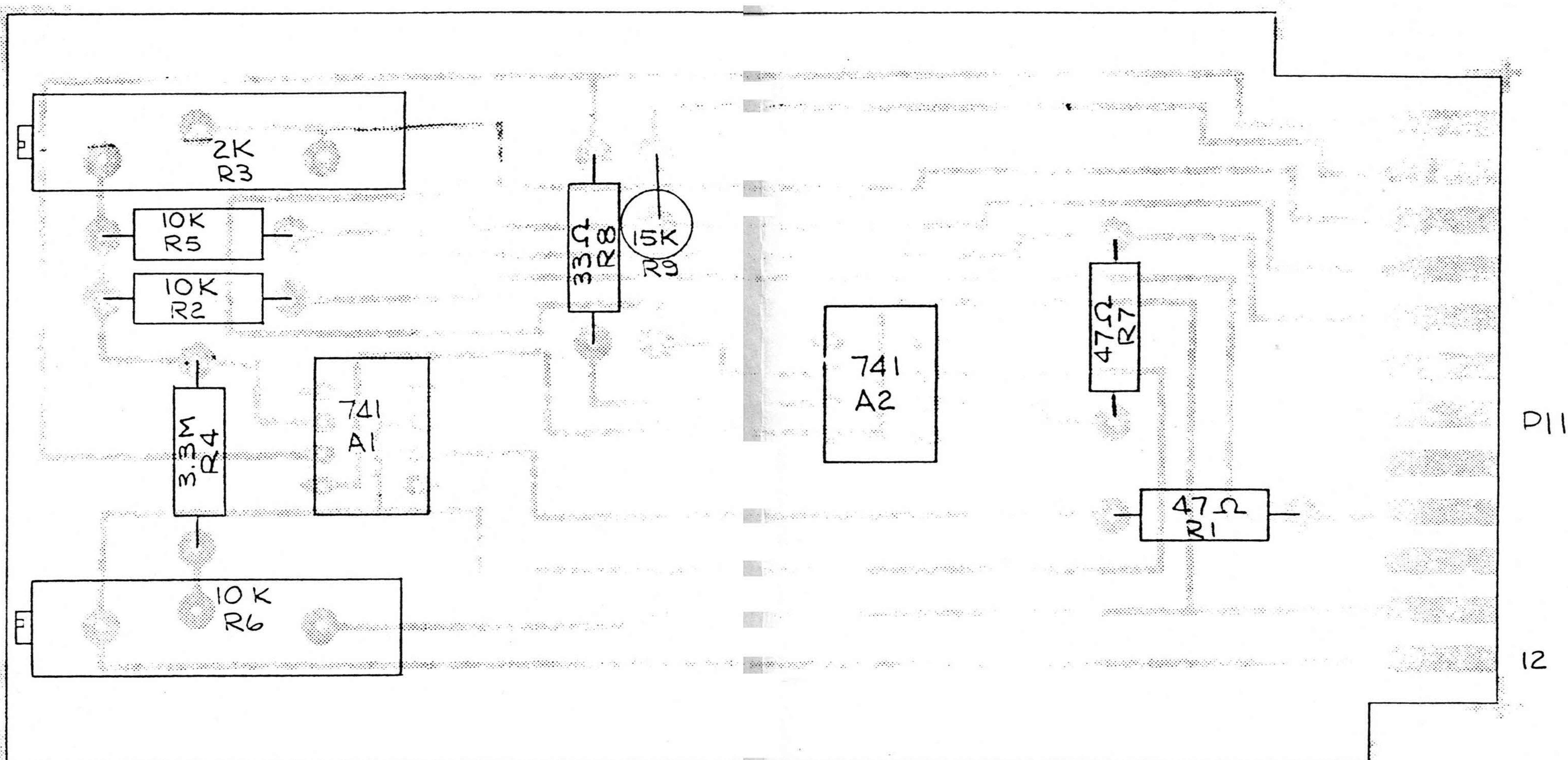
9915		1
UNIT	NEXT ASSY.	QTY.
USED ON		

PARTS LIST				GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB		
TITLE Error Summing Amp. PCB Assembly				REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	LIST NUMBER				
				J	663							11224.02.02				
				K	1178							SHEET 1 OF 1 SHEETS				
				L	1225							DRN L.M.	CKD			
MODEL 9975												DATE 4/4/77	APP	17		
EV	ITEM	DESCRIPTION		QTY		CODE	MANUFACTURER			PART NUMBER			CIRCUIT REF			
1		Printed Circuit Board			1	PS				11224.02.07 Rev. B			R4, 7			
2		Resistor Carbon 1/4W 47 ohms		5%	2	PS				CR37			R1			
3		Resistor Carbon 1/4W 1K		5%	1	PS				CR37			R3, 6			
4		Resistor Carbon 1/4W 10K		5%	2	PS				CR37			R5			
5		Resistor Carbon 1/4W 3.9K		5%	1	PS				CR37			C2, 4			
6		Capacitor .1uf 250V			2	PS	Philips			281ABAL00K			C1			
7		Capacitor 10uf 25V			1	PS	Siemens			B32110-C3106-M			C3			
8		Capacitor 180pf			1	PS	Centralab			DD181			A1, 2			
9		Amplifier			2	PS				LM741CN			R2			
10		Trimpot 20K			1	PS				RV-600-20-20K						



 GUILDLINE INSTRUMENTS LTD. SMITHS FALLS ONT. CANADA		model 3375
dwn TH	ERROR SUMMING AMP PCB ASSEMBLY	
chkd [Signature]		
apvd TM		
date 22-11-78		
scale 2:1	sheet 1 of 1	dwg no 11224.02.02 rev J

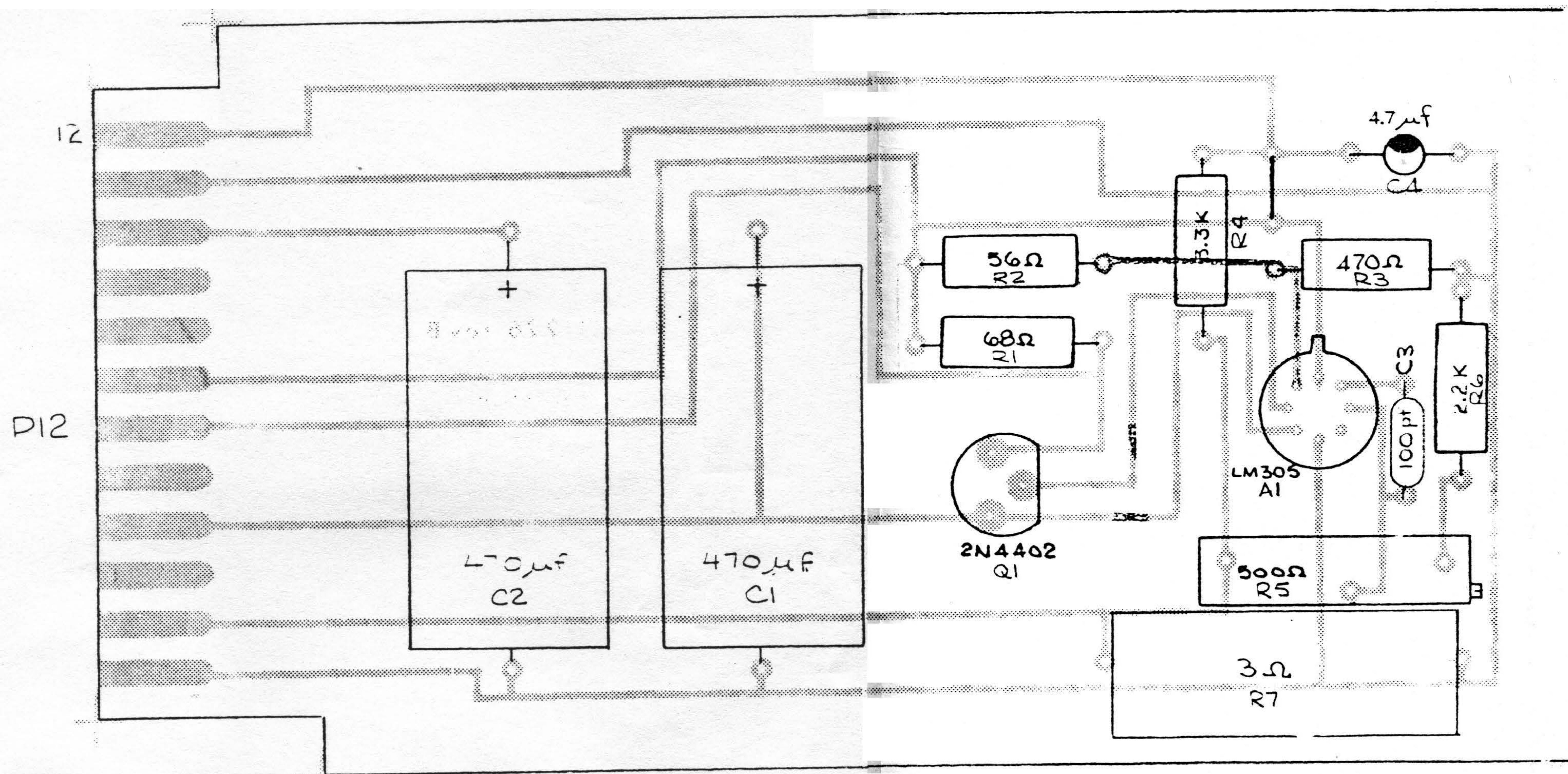
PARTS LIST			GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB			
TITLE			MASTER CURRENT PROGRAMMER PCB ASSEMBLY										LIST NUMBER			
													11225.02.02			
MODEL 9975			SHEET 1 OF 1 SHEETS										DRN L.M. CKD			
			DATE 4/4/77 APP										DATE 4/4/77 APP			
REV	ITEM	DESCRIPTION	REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	REV	ECN	DATE	CKD	PART NUMBER	CIRCUIT REF
	1	Printed Circuit Board													11225.02.07 Rev. B	
	2	Resistor Carbon 1/4W 33 ohms													CR37	R8
	3	Resistor Carbon 1/4W 10K													CR37	R2, 5
	4	Resistor Carbon 1/4W 3.3M													CR37	R4
	5	Resistor Carbon 1/4W 47 ohms													CR37	R1, 7
	6	Resistor 15K													8E16A	R9
	7	Trimpot 10K													RV-600-20-10K	R6
	8	Amplifier													LM741CN	A1, 2
	9	Trimpot 2K													RV-600-20-2K	R3
N																



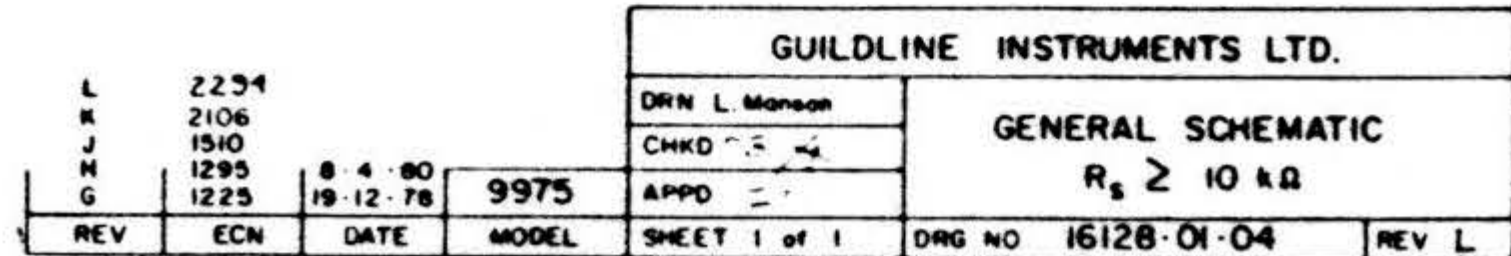
G GUILDLINE INSTRUMENTS LTD. SMITHS FALLS ONT. CANADA		model 3075
drawn TH	MASTER CURRENT PROGRAMMER PCB ASSEMBLY	
chkd LB		
apvd IM		
date 22-11-73		
scale 2:1	sheet 1 of 1	dwg no 11225.02 02 rev -

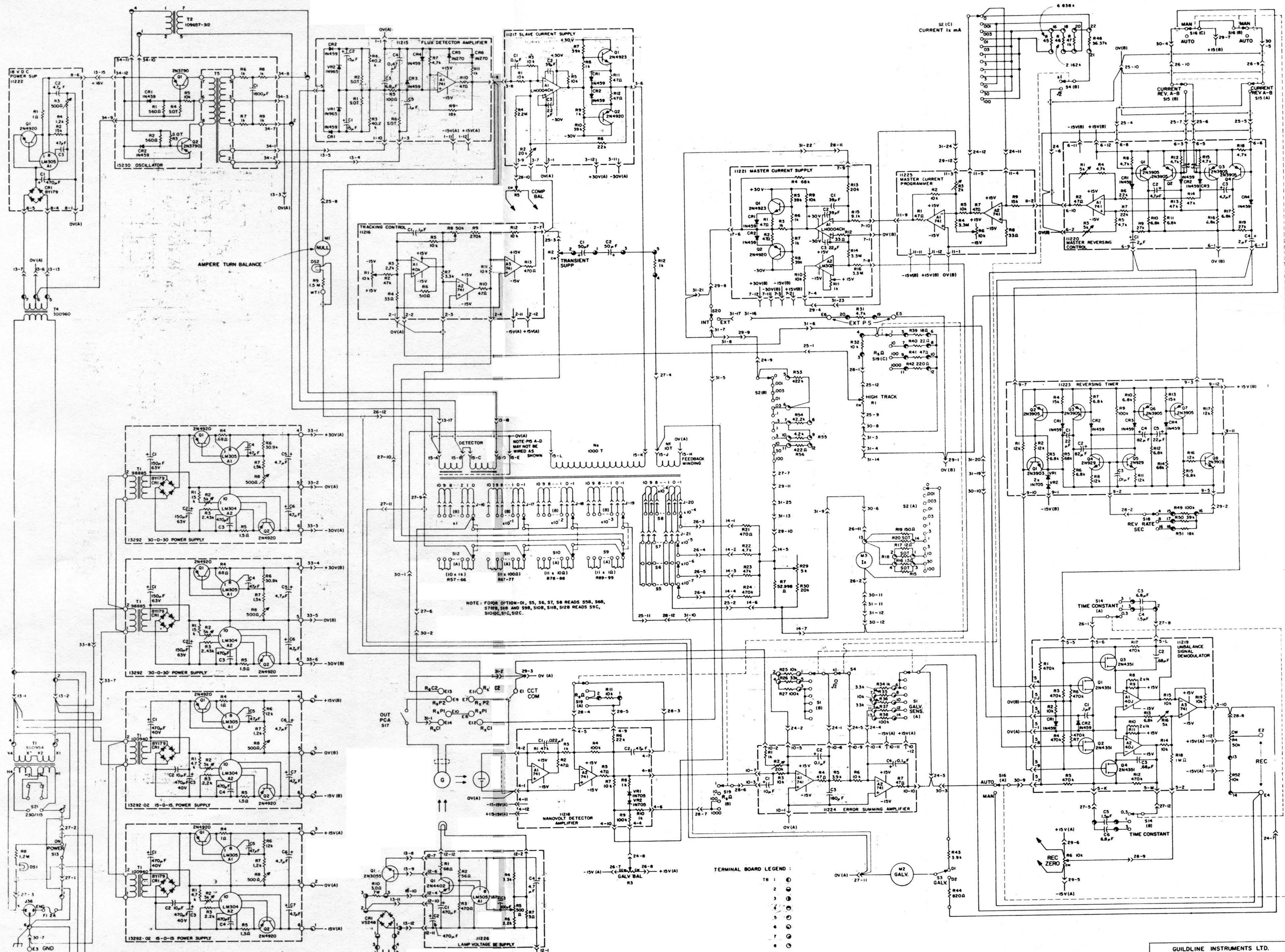
PARTS LIST			GUILDLINE INSTRUMENTS LTD										FAM TREE KEY PCB		
TITLE			REV		ECN	DATE	CKD	REV	ECN	DATE	CKD	LIST NUMBER			
			J	876									11226.01.02		
MODEL			K	1126	26-10-76							SHEET 1 OF 1 SHEETS			
			L	1225	25-10-76	03							DRN L 10-10-76 CKD 03		
						DATE	17	APP			IM				
EV ITEM	DESCRIPTION		QTY		CODE	MANUFACTURER		PART NUMBER		CIRCUIT REF					
1	Printed Circuit Board		1		PS	Centralab		11226.01.07 Rev. B		C3					
2	Capacitor 100pf		1		PS	Philips		DD101		C1, 2					
3	Capacitor 470uf 40V		2		PS	I.T.T.		437ETG470		C4					
4	Capacitor 4.7uf 35V		1		PS			TAG 4.7/35		Q1					
5	Transistor		1		PS			2N4402		R5					
6	Trimpot		1		PS			RV-600-20-500		A1					
7	Integrated Circuit		1		PS	N.S.		LM305H		R1					
8	Resistor 68 ohms		1		PS			CR37		R2					
9	Resistor 56 ohms		1		PS			CR37		R3					
10	Resistor 470 ohms		1		PS			CR37		R6					
11	Resistor 2.2K		1		PS			CR37		R4					
12	Resistor 3.3K		1		PS			CR37		R7					
13	Resistor 3 ohms		1		PS	Ohmite		2833							
K															

REV.	DESCRIPTION	DATE	APPROV.
D	REL ECN 566	12/12/73	
E	ECN 1126		
F	ECN 1178		
H	ECN 1225		



TOLERANCES DECIMAL FRACTIONAL ANGULAR				ALL DIMENSIONS ARE IN INCHES		
UNLESS ± .00 .010				BREAK ALL SHARP CORNERS .010 MAX.		
SPECIFIED: ± .000 .003						
DRAWN DRB				MAT'L		
DATE 2/3/73				FINISH		
CHECKED CWC				TITLE		
DATE MAR 21, 73				LAMP VOLTAGE SUPPLY		
APPROVED IM				COMPONENT LAYOUT		
DATE 11/12/73						
USED ON						
				GUILDLINE INSTRUMENTS LTD.		
				SMITHS FALLS, ONTARIO CANADA		
				SIZE	DRAWING NO	REV
				B	11226.01.02	1
				SCALE	SHEET	OF
				2:1	1	1





TERMINAL BOARD LEGEND :

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