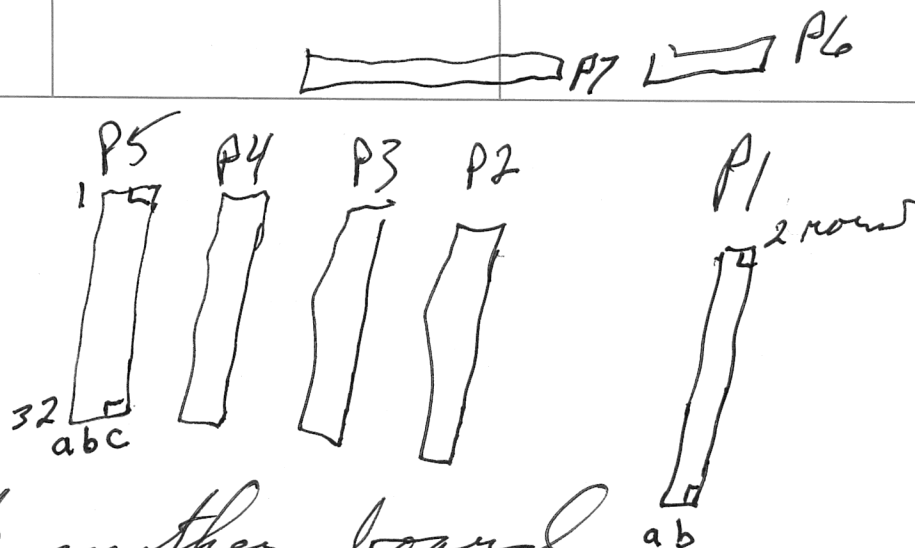




Metrolab mother board

PT 2025 No. 136

REVC

atc used to it not

1 2 3 4 5 6 7 8 9 10 11 12 13 14	
P6 1	Too LO IO9a
2	Too HI 9c
3	Man/Auto 2 10a
4	T/MHz 2 10c
5	MPX a2 IO11a
6	Field 2 11c
7	MPX c2 IO12a
8	MPX b2 IO12c
9	MPX b3 IO14a and CT 14a and RF 14a
10	MPX a3 IO14c and CT 14c and RF 14c
11	LOCAL IO15a
12	MPX c3 IO15c and CT 15c and RF 15c
13	REMOTE IO17c and RF 17c
14	Not Used

P7

1	LED Lock	AN	1a			
2	NMR Sig.	AN	1c			
3	AMPL. 1	AN	2a			
4	AMPL. 2	AN	2c			
5	FREQ. 1	AN	3a			
6	FREQ. 2		3c			
7	GAIN 1		4a			
8	GAIN 2		4c			
9	MODUL.		5a			
10	FIELD 3	AN	5c and IO 13c			
	MAN/AUTO 3		IO 13a and AN 6a			
	REMOTE		IO 17a and CT 17a and RF 17a			
	C	RF	1a			
	d	RF	1c			
15	e	RF	2a			
	f	RF	2c			
	g	RF	3a			
	HI/LO	RF	3c			
	T/MHz 3		IO 6a and CT 6a			
20	BI		IO 5a and CT 5a			
	D0		IO 1a and CT 1a			
	D1		1c	1c		
	D2		2a	2a		
	D3		2c	2c		
25	A0	IO	3a and CT 3a			
	A1		3c	3c		
	A2		4a	4a		
	A3		4c	4c		
	Pr 1	RF	4a			
30	Pr 2	RF	4c			
	Pr 3		5a			
	Pr 4		5c			
	Pr 5		6a			
	Pr 6		6c			
35	Pr 7		7a			
	Pr 8		7c			
40						
45						
50						

CAN/
P5

a

c

1	LED Lock	P7 1	NMR Sig	P7 2
	AMPL. 1	P7 3	AMPL. 2	P7 4
	FREQ 1	P7 5	FREQ 2	P7 6
	GAIN 1	P7 7	GAIN 2	P7 8
5	MODUL.	P7 9	FIELD 3	P7 10 & IO 13c
	MAN/AUTO 3	P7 11 & IO 13a		
10				
			H ₂ O/D ₂ O	RF 13c & CT 13c
15	Analog GND	— Green of LEMO		
	NMR Lock	CT 18a & IO 18a RF 19a & CT 19a & IO 19a		
20	IDENT a	RF 20a RF 21a RF 22a RF 23a	Coarse b	RF 17 & IO 19c RF 20c RF 21c RF 22c RF 23c
25				
30	Analog GND			
32	Modulation GND	—		

15a & 30a are joined on the backplane



CT

P3

a

C

		D0	P721+IO1a		D1	P722+IO1c
		D2	P723+IO2a		D3	P724+IO2c
		A0	P725+IO3a		A1	P726+IO3c
		A2	P727+IO4a		A3	P728+IO4c
	5	BF	P720+IO5a			IO5c
		T/MHz3	P719+IO6a		DATA READY	IO6c
			IO7a		TRIGGER	IO7c
			RF+IO8a			RF+IO8c
	10	QA	RF9a		QB	RF9c
		QC	RF10a		QD	RF10c
		SH	RF11a		SOF	RF11c
		RESET	RF12a		Transfer T	RF12c
		STOP COUNT	RF13a		H2O/H2O	AN+RF13c
	15	MPX b3	P69 RF+IO14a		MPX a3	P610+RF+IO14c
			RF+IO15a		MPX c3	P612+RF+IO15c
		REMOTE	P712+IO+RF17a			
		NMR Lock	AN+IO18a			RF+IO18c
	20		RF AN+IO19a			AN RF+IO19c
		Fast Disp 2	IO21a		Fast Disp 3	IO21c
			IO22a			IO22c
	25					
	30					
	32					