

SUMMARY OF SPECIFICATION'S.

The POLY68 Microcomputer is a general purpose 6802 based microprocessor system. It has the following features :-

- Up to 12K bytes of user RAM
- 16K bytes of EPROM containing :-
  - a monitor/debug program
  - a small assembler/disassembler
  - a 7K BASIC interpreter
- Sockets for 8K of user EPROM
- 2 PIA devices having 18 parallel I/O lines each
- An IEEE-488 Bus interface controller
- 1 ACIA device for RS-232 serial I/O with selectable baud rates
- A VDU driver board with a 40 character by 24 line display capable of doing chunky graphics and colour
- An extra PIA on the VDU board for parallel keyboard interfacing

# CONNECTOR LISTS.

[ 4 ] ✓

## - POLY68 C.P.U. Board -

### Processor and power Connector P1 :-

Pin	Function
1	Ground ( 0 volts )
2	n.c.
3-4	+5 volts
5-8	n.c.
9	HALT-
10	Memory Ready
11	Interrupt Request-
12	Non-Maskable Interrupt-
13	Bus Available
14-32	Not yet defined (n.c.)

### Reset Connector P2 :-

Connect RESET push button between the two pins.

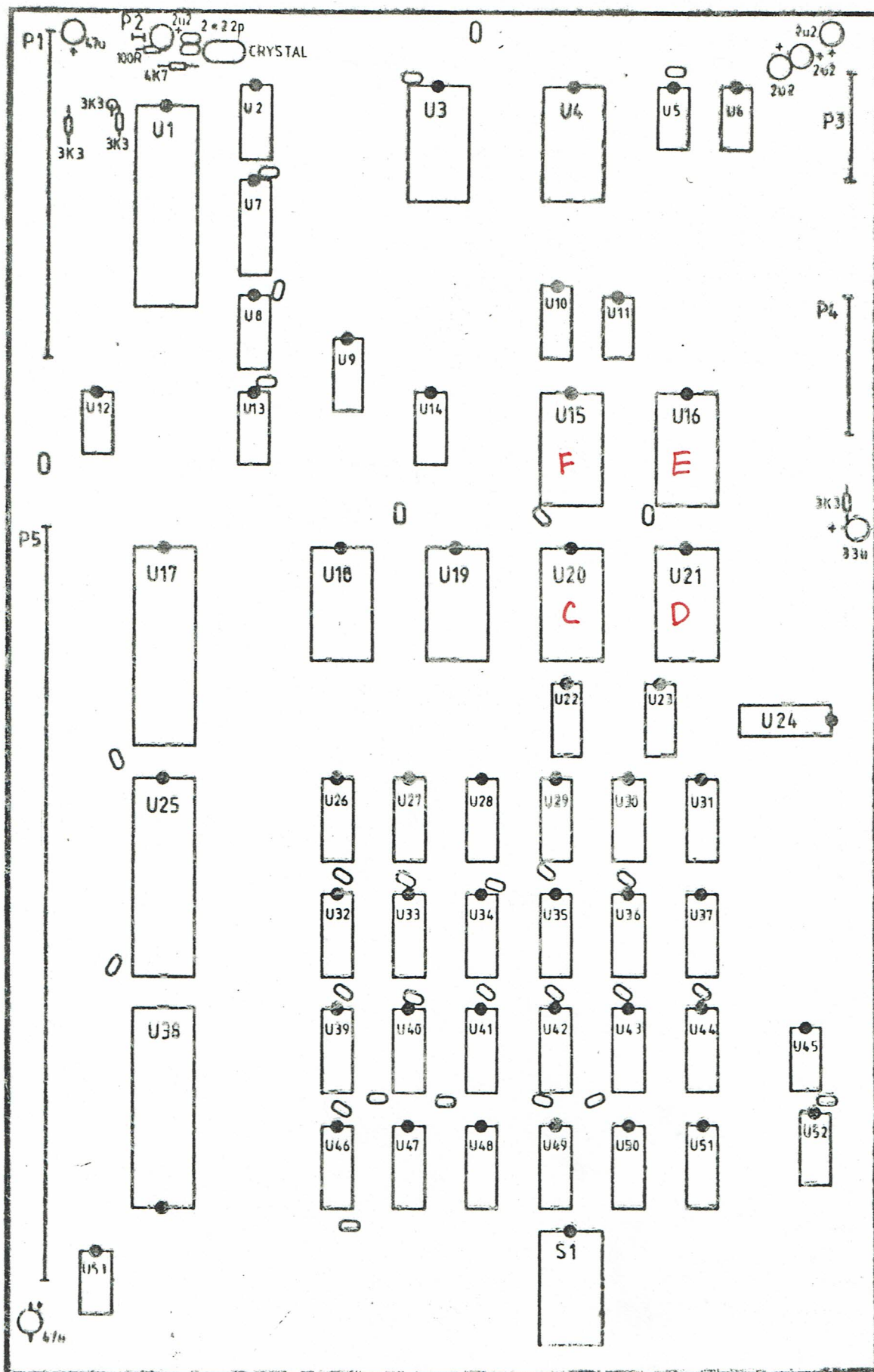
### RS-232 Terminal Connector P3 :-

Pin	Function
1	-12 volts
2	+12 volts
3	RS-232 Receive data input
4	RS-232 Transmit data output
5-7	n.c.
8	Request To Send-
9-10	Ground ( 0 volts )
11	n.c.

### Baud Rate Connector P4 :-

Pin	Function
1	Common return
2	19200 select
3	9600 .
4	4800 .
5	2400 .
6	300 .
7	1200 .
8	600 . ( needs a wire link to I.C. 11 pin 5 )
9-12	n.c.
13-14	Link together for using a terminal instead of Teletext V.D.U.





U1	6802
U2	74LS367
U3	6810
U4	6850
U5	1489
U6	1488
U7	8304
U8	74LS367
U9	74LS42
U10	74LS191
U11	CD4024
U12	74LS00
U13	74LS367
U14	74LS42
U15	2532
U16	2532
U17	6821
U18	2532
U19	2532
U20	2532
U21	2532
U22	74LS42
U23	74LS42
U24	74LS245
U25	6821
U26	2114
U27	2114
U28	2114
U29	2114
U30	2114
U31	2114
U32	2114
U33	2114
U34	2114
U35	2114
U36	2114
U37	2114
U38	68488
U39	2114
U40	2114
U41	2114
U42	2114
U43	2114
U44	2114
U45	74LS02
U46	2114
U47	2114
U48	2114
U49	2114
U50	2114
U51	2114
U52	74LS00

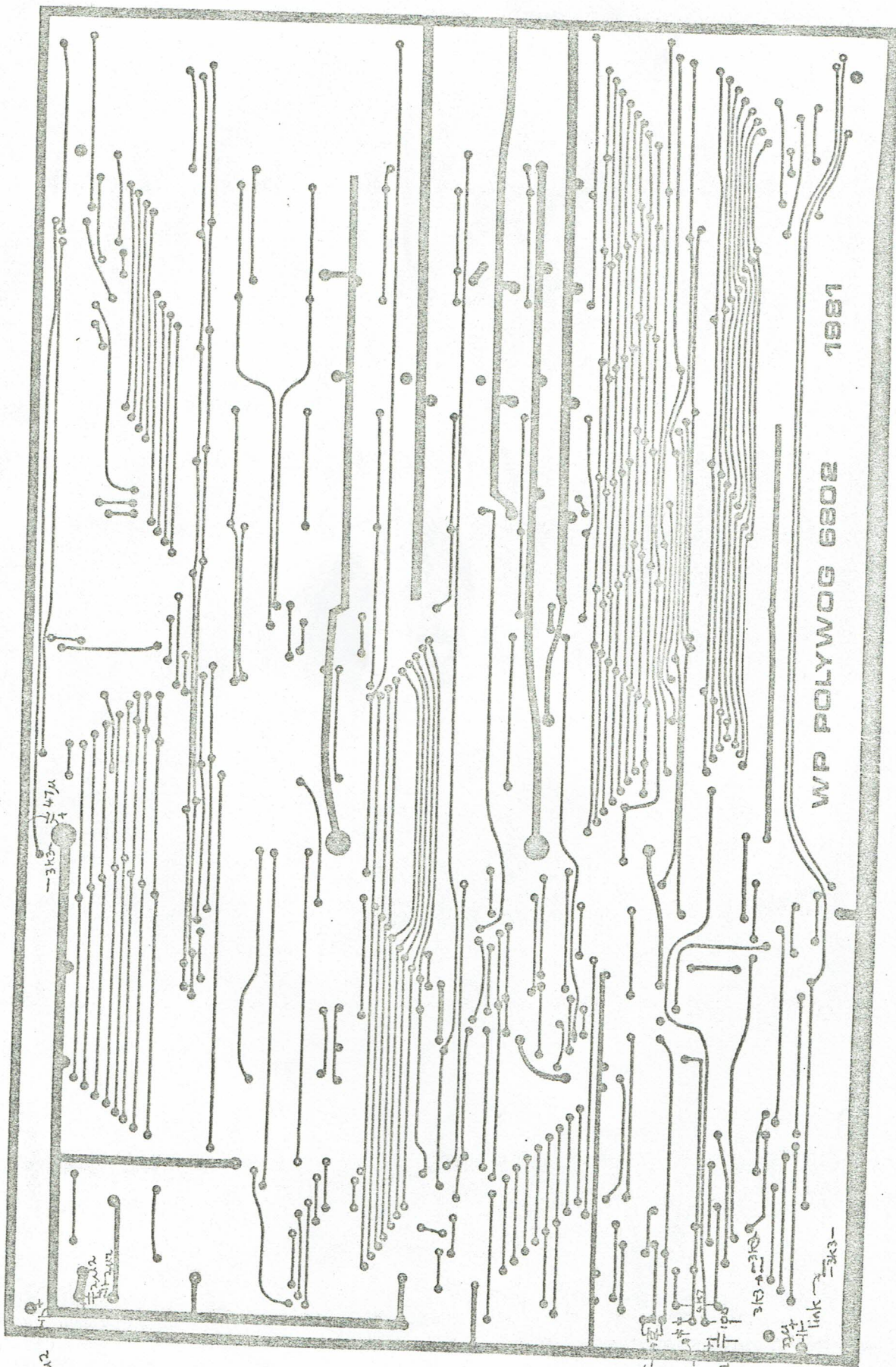
## NOTES

- 1) All unmarked capacitors 10nF Ceramic
- 2) — denotes Molex connectors

6802 POLYWOG-cpu components

DRAWN - KC. Horsburgh





202

4MHz  
XTAL

220pF

200

link

3k3

WP POLYWOG 6802

1981