

Number : HW009
Subject: Second line printer
Date : 8-4-82

In order to use a second line printer the following actions have to be taken:

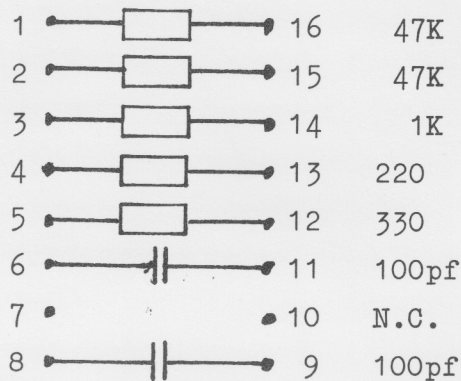
- 1) SDOS should be configured for LPT2.
- 2) The G.P.I.O. PCB must be sired to generate the correct signals in accordance with a centronics parallel interface and to generate the correct interrupt for SDOS.

Configure SDOS

See operators manual page 4-69 rev B.

MODIFICATIONS ON GP10 CARD FOR LPT2 CENTRONICS INTERFACE

1. a. Install 74123 in A13
- b. Install 7432 in A15
- c. Construct and install A12 (16 pin dip with solder posts)



2. Cut Traces

- a. Isolate A10-13
- b. Isolate A12-8 from ground
(cut traces on top and bottom of board)
- c. Isolate A13-7 from ground
- d. Cut trace J33 (Int \emptyset)
- e. Cut trace J21 (Reset \emptyset)
- f. Isolate A10-15

3. Wire List

Signal Name

A12-16]	VCC
A12-15]]	
A12-14]]	
A12-13]]	
A13-1]	
E11-12]	<u>WRITE PORT 3</u>
A13-3]	
A13-11]]	
A12-3]]	<u>RESET</u>
A13-13]	
A13-9]	WIDENED WRITE PULSE

A13-14]	
A12-6]	Cext 1
A13-15]	
A12-11]	
A12-1]	Rext Cext 1
A13-6]	
A12-8]	Cext 2
A13-7]	
A12-9]	
A12-2]	<u>DATA STROBE</u>
A15-1]	
A10-16]	BUSY
A15-2]	
A10-15]	<u>ACKNLG</u>
A12-4]	
A12-5]	
A12-12]	
GND]	Gnd
A15-3]	
A8-1]	TRIG \emptyset
F12-8]	
P1-77]	<u>INT 15</u>
B12-1]	
B15-9]	<u>RESET 15</u>
A10-11]	
A10-9]	
A10-10]	
GND]	Gnd

Printer Cable Pin List - Use 16 conductor ribbon cable
16 pin dip ribbon connector to Amp 36 pin connector

	Signal	
	<u>Name</u>	
1	Data 8	9
2	Data 7	8
3	Data 6	7
4	Data 5	6
5	Data 4	5
6	Data 3	4
7	Data 2	3
8	Data 1	2
9	Return	19
10	Return	20
11	Return	21
12	<u>FAULT</u>	32
13	Data Strobe 1	
14		N.C.
15	<u>ACKNLG</u>	10
16	BUSY	11

Alterations if cable for LPTI is used

1. Disconnect Fault line (Pin 32 on Amp connector)
2. Connect Amp-10 to dip 15 (ribbon 15)
3. Connect Amp-11 to dip 16 (ribbon 16)

Dip socket plugs onto A10 of GP10 card

