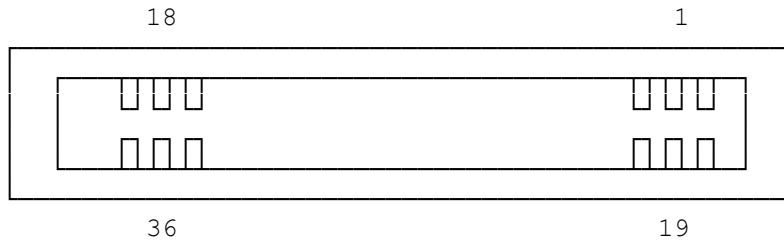


PARALLEL INTERFACE CONNECTOR

Type.....36-pin receptacle
 Model.....552742-1 or equivalent
 Manufacturer.....AMP or equivalent

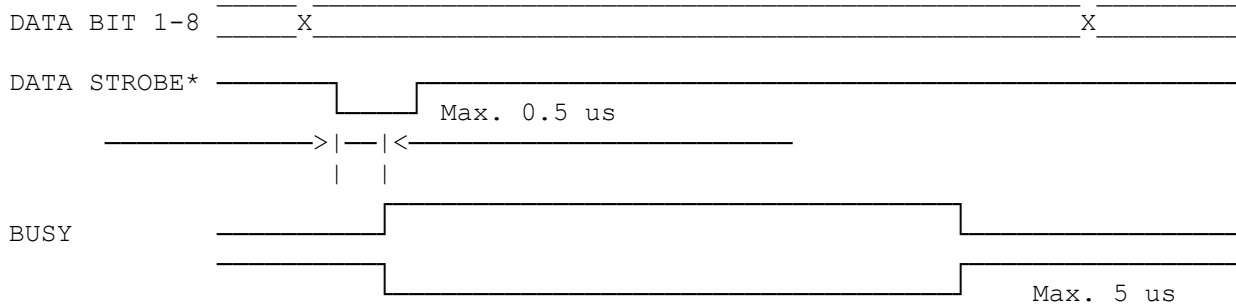
PIN ASSIGNMENT

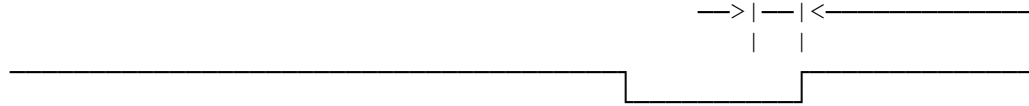


SIGNALS

SIGNAL PIN	NAME OF SIGNAL	SIGNAL PIN	NAME OF SIGNAL
1	STROBE	19	OV (Return for 1)
2	DATA 1	20	OV (Return for 2)
3	DATA 2	21	OV (Return for 3)
4	DATA 3	22	OV (Return for 4)
5	DATA 4	23	OV (Return for 5)
6	DATA 5	24	OV (Return for 6)
7	DATA 6	25	OV (Return for 7)
8	DATA 7	26	OV (Return for 8)
9	DATA 8	27	OV (Return for 9)
10	ACK	28	OV (Return for 10)
11	BUSY	29	OV (Return for 11)
12	PE (Paper Out)	30	OV
13	BUSY	31	NC (Not Connected)
14	OV	32	FAULT (Printer Error Condition)
15	NC (Not Connected)	33	INIT (Initialize)
16	OV	34	NC (Not Connected)
17	CHASSIS GROUND	35	NC (Not Connected)
18	+5V (80 mA Maximum)	36	NC (Not Connected)

PARALLEL INTERFACE SIGNALS





TIMING DIAGRAM

STROBE - (Host Generated)

The STROBE signal is a negative-going pulse which is used to transfer incoming data from the host into the Printer. The pulse duration must be a minimum of 0.5 us. The relationship of the leading and trailing edges of the STROBE signal with the leading and trailing edges of the input data signals must be as shown in the Timing diagram.

DB1-DB8 - (Host Generated)

Data Bits DB1 - DB8 contain ASCII character data information. Data bit levels are positive true logic.

ACKNOWLEDGE - (Printer Generated)

The ACK signal is a negative-going signal which indicates, by the rising edge, that the Printer is no longer busy. The timing is as shown in the Timing Diagram.

BUSY - (Printer Generated)

The BUSY signal goes positive to indicate when the Printer can not accept new data from the host. The Timing is as shown in the Timing Diagram. On power-up, BUSY must go true, and remain true until Printer is ready to accept data.

PAPER OUT - (Printer Generated)

The PE signal is a positive-going pulse which indicates that the Printer is out of paper.

BUSY - (Printer Generated)

The BUSY signal is the logical inverse of BUSY.

FAULT - (Printer Generated)

The FAULT line is a negative going signal that indicates there is a fault condition present; i.e. - paper out, cover open, logic fault, off-line condition, or other mechanical fault.

INIT - (Host Generated)

This terminal is valid only when IBM Mode is selected. The INIT is a negative going signal which resets the printer controller to its initial state and clears the print buffer. It must be terminated high and must be 10us width minimum.

CHASSIS GROUND

This line is connected to the chassis of the Printer.

5V - (Printer Generated)

This line is connected to the Printer's logic +5V line. The maximum supply current is 80mA.

(dtc-07/26/93)