36 pin Centronics Male Connector

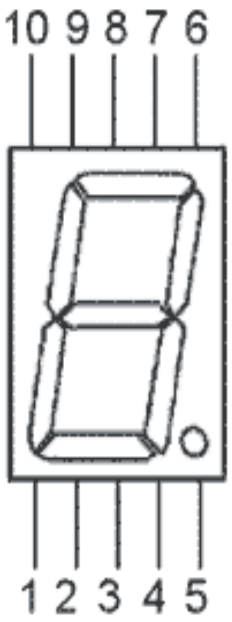
36 Pin Centronic Connector Pin Out

Pin #	Pin Name	Pin Description and Function
1	/STROBE	Data Strobe (May be called /PSTROBE, HostCLK)
2	D0	Data Bit 0
3	D1	Data Bit 1
4	D2	Data Bit 2
5	D3	Data Bit 3
6	D4	Data Bit 4
7	D5	Data Bit 5
8	D6	Data Bit 6
9	D7	Data Bit 7
10	/ACK	Acknowledge receipt of Data (or /PACK, PtrCLK)
11	BUSY	Strobe received, Waiting on Acknowledge (or /PBUSY, PtrBusy)
12	PAPER ERROR	Paper Out / Paper Error (AckDataReq)
13	SELECT Out	Daisy-Chain Device Select Signal (May be tied high in some Printers)
14	/AUTOFEED	Auto-Feed paper, Not used with PostScript printer (HostBusy)
15	Select IN	Daisy-Chain IN
16	Signal GND	Logic Ground
17	CHASSIS GND	Shield Ground
18	+5 V PULLUP	+5 V DC (50 mA max)
19	GND	Signal Ground (Strobe Ground)
20		Signal Ground (Data 0 Ground)
21		Signal Ground (Data 1 Ground)
22		Signal Ground (Data 2 Ground)
23		Signal Ground (Data 3 Ground)
24		Signal Ground (Data 4 Ground)
25		Signal Ground (Data 5 Ground)
26		Signal Ground (Data 6 Ground)
27		Signal Ground (Data 7 Ground)
28		Signal Ground (Acknowledge Ground)
29		Signal Ground (Busy Ground)
30	/GNDRESET	Reset Ground
31	/RESET	Cancel Current Job (May be called /PRIME)
32	/FAULT	Fault with Printer (Low when offline)
33	0 V	Signal Ground
34	n/c	Not used
35	+5 V	+5 V DC
36	/SLCT IN	Select In; Taking low or high sets printer on line or off line

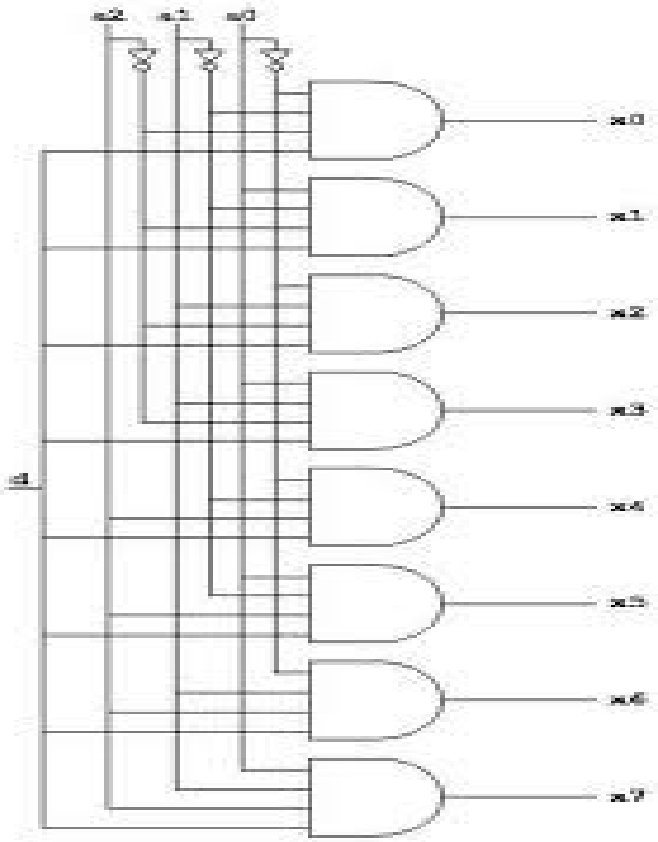
Functional Description

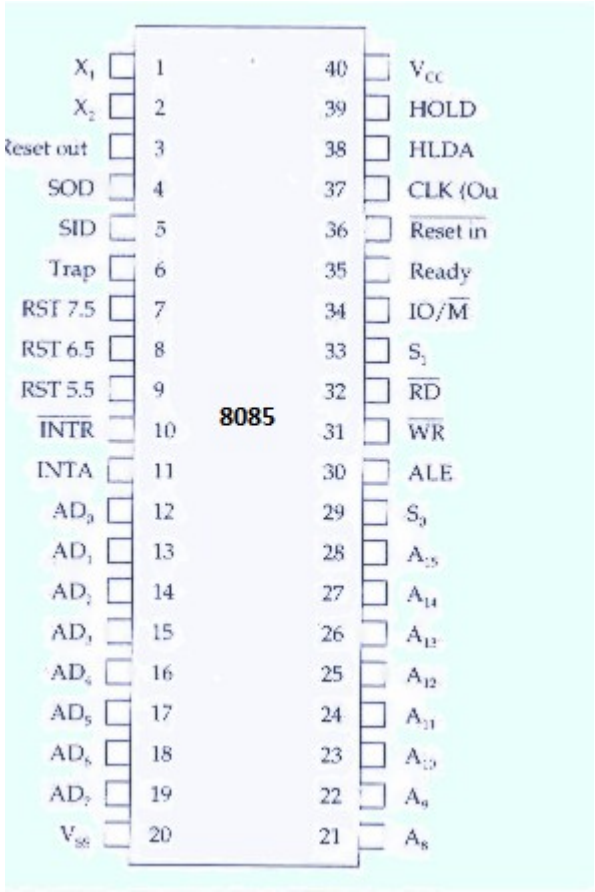
STROBE:	Active low pulse used to transfer data into the printer.	Pulse with must be between 0.5 and 500 microseconds for most printers.
Dn:	Data lines, high is a one.	
ACK:	Active low pulse indicates that data has been received and the printer is ready to accept more.	
BUSY:	A high signal indicates that the printer cannot receive data.	
PE:	A high signal indicates that the printer is out of paper (Paper End)	
SELECT OUT:	A high signal indicates that the printer is on-line	
AUTO FEED:	A low signal indicates to the printer that a line feed is required after each Carriage return.	This signal is used as a ground line by some manufacturers.
OSCXT:	A 100-200 KHz signal used by true Centronics printers only.	
+5V:	+5Vdc	Not provided by all manufacturers
PRIME:	A low signal resets the printer to its power-up state and the printer buffer is cleared	
FAULT:	A low signal indicates that the printer is in an off-line or error state	
LINE COUNT:	Used by true Centronics printers only.	Most of the time not used
SELECT IN:	A high signal indicates to the printer that a DC1/ DC3 code is valid.	This signal is used by a few manufacturers

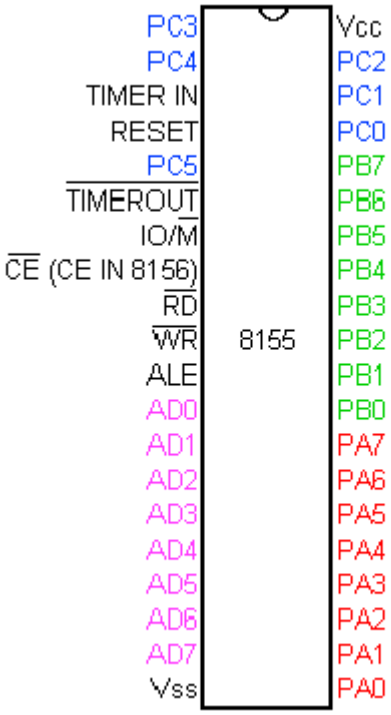
Note: Direction is Printer relative Computer



PIN NO.	E MAN6960
1	Cathode E
2	Cathode D
3	Com. Anode
4	Cathode C
5	Cathode D.P.
6	Cathode B
7	Cathode A
8	Com. Anode
9	Cathode F
10	Cathode G




8085
X1 1
X2 2
Reset out 3
SOD 4
SID 5
Trap 6
RST 7.5 7
RST 6.5 8
RST 5.5 9
INTR 10
INTA 11
AD0 12
AD1 13
AD2 14
AD3 15
AD4 16
AD5 17
AD6 18
AD7 19
VSS 20
40 VCC
39 HOLD
38 HLDA
37 CLK (Ou
36 Reset in
35 Ready
34 IO/M
33 S1
32 RD
31 WR
30 ALE
29 S0
28 A15
27 A14
26 A13
25 A12
24 A11
23 A10
22 A9
21 A8



AD0-AD7	I/O	Addr/Data bus mux'd
RESET	I	Reset input
CE-bar or CE	I	Chip enable (55/56)
ALE	I	Address latch enable
RD-bar	I	Read input
WR-bar	I	Write input
IO/Mbar	I	I/O or memory section
PA0-7	I/O	Port A (8 bit)
PB0-7	I/O	Port B (8 bit)
PC0-5	I/O	Port C (6 bit)
TIMER-IN	I	Timer input
TIMER-OUT-bar	O	Timer output