

1. Construction of TLX-1301V

TLX-1301V consists of a 240x128 dots LCD panel, LCD drivers, an LCD controller, a display RAM (8k byte) and a print circuit board.

Fig. 1.1 Dimensional Outline

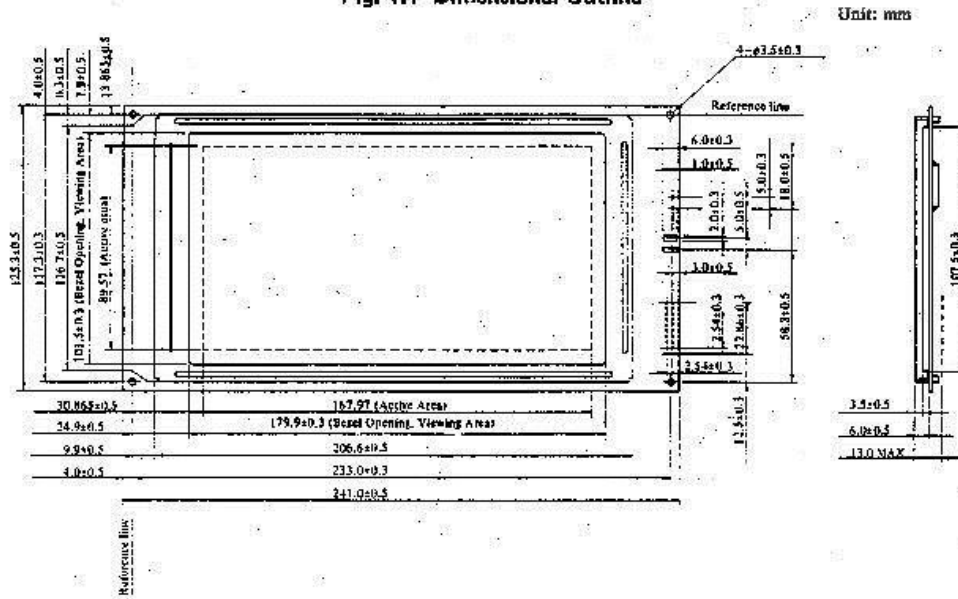
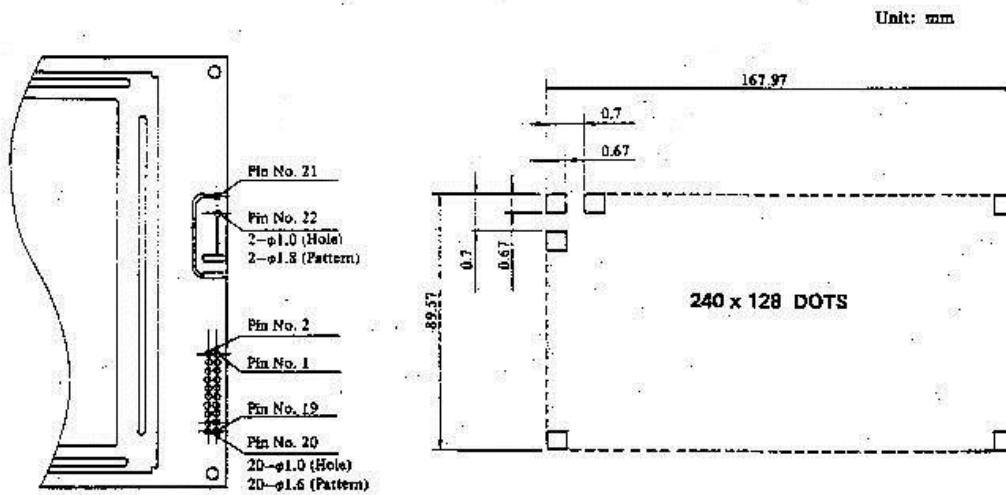


Fig. 1.2 Location of Interface Terminal



3. Interface

3.1 Interface Connection

Pin No.	Signal	Function
1	FGND	Frame Ground (Connected to Metal Bezel)
2	GND	Ground (Signal Ground)
3	V _{DD}	Power Supply for Logic
4	V _{EE}	Power Supply for LCD Drive (Should be Variable)
5	\overline{WR}	Data Write (Write Data to the Module at "L")
6	\overline{RD}	Data Read (Read Data from the Module at "L")
7	\overline{CE}	Chip Enable for the Module
8	C/ \overline{D}	\overline{WR} ="L"; C/ \overline{D} ="H": Command Write, C/ \overline{D} ="L": Data Write \overline{RD} ="L"; C/ \overline{D} ="H": Status Read, C/ \overline{D} ="L": Data Read
9	NC	No Connection
10	\overline{RESET}	Module Reset (Controller Reset)
11	D0	Data Input/Output (LSB)
12	D1	Data Input/Output
13	D2	Data Input/Output
14	D3	Data Input/Output
15	D4	Data Input/Output
16	D5	Data Input/Output
17	D6	Data Input/Output
18	D7	Data Input/Output (MSB)
19	FS	Font Select; Connect to VDD: 6 x 8 dots font Connect to GND: 8 x 8 dots font
20	NC	No Connection