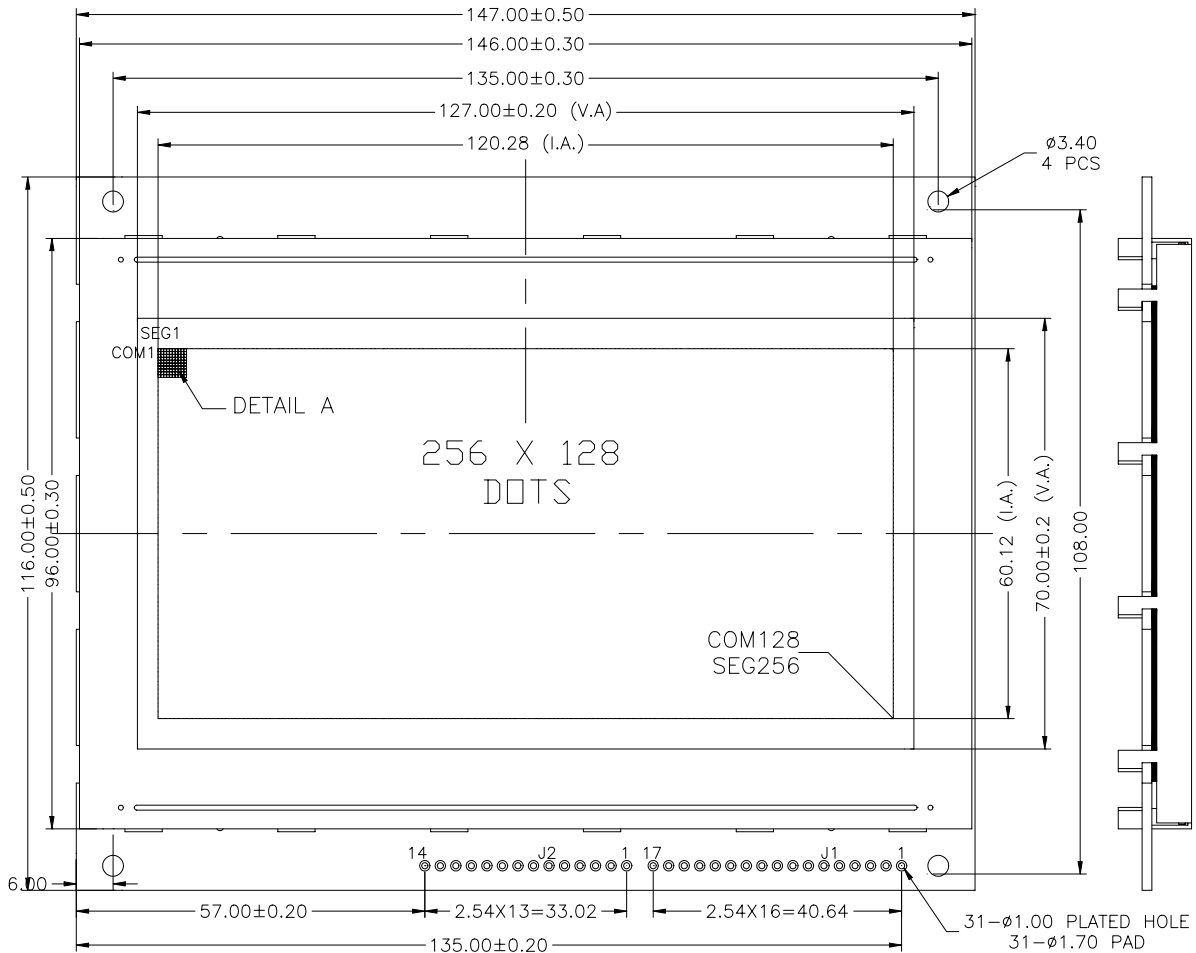


Item	Specification	Unit
Outline dimension (W x H x T)	147.0 x 116.0 x 12.0 Max	mm
Viewing Area (W x H)	127.0 x 70.0	mm
Dot Size (W x H)	0.43 x 0.43	mm
Dot Pitch	0.47 x 0.47	mm
Weight	About 155	mm

**EXTERNAL DIMENSION**



Without Controller: J2    With Controller: J1

CONNECTOR	
PIN#	SYBMOL
1	V <sub>dd</sub> (5V)
2	V <sub>ss</sub> (GND)
3	V <sub>o</sub> (-12.1V)
4	CL1
5	M
6	NC
7	NC
8	FLM
9	CL2
10	NC
11	D0
12	D1
13	D2
14	D3

CONNECTOR	
PIN#	SYBMOL
1	FG
2	V <sub>ss</sub> (GND)
3	V <sub>dd</sub> (5V)
4	V <sub>o</sub> (-12.1V)
5	/RES
6	(/RD)/E
7	(/WR)/(R/W)
8	/CS
9	A0
10	DB0
11	DB1
12	DB2
13	DB3
14	DB4
15	DB5
16	DB6
17	DB7

**BLOCK DIAGRAM**

**2. INTERFACE PIN ASSIGNMENT**

Pin No.	Symbol	Level	Description
1	FG	0 V	Frame ground
2	Vss(GND)	0 V	Ground
3	VDD(VCC)	+ 5 V	Power supply voltage for logic and LCD
4	Vo	-	Operating voltage for LCD. (Variable)
5	/RES	H/L	Reset signal
6	E	H/L	Read signal
7	R/W	H/L	Write signal
8	/CS	H/L	Chip select signal
9	A0	H/L	Data type select signal
10	DB0	H/L	Display data bit 0
11	DB1	H/L	Display data bit 1
12	DB2	H/L	Display data bit 2
13	DB3	H/L	Display data bit 3
14	DB4	H/L	Display data bit 4
15	DB5	H/L	Display data bit 5
16	DB6	H/L	Display data bit 6
17	DB7	H/L	Display data bit 7

