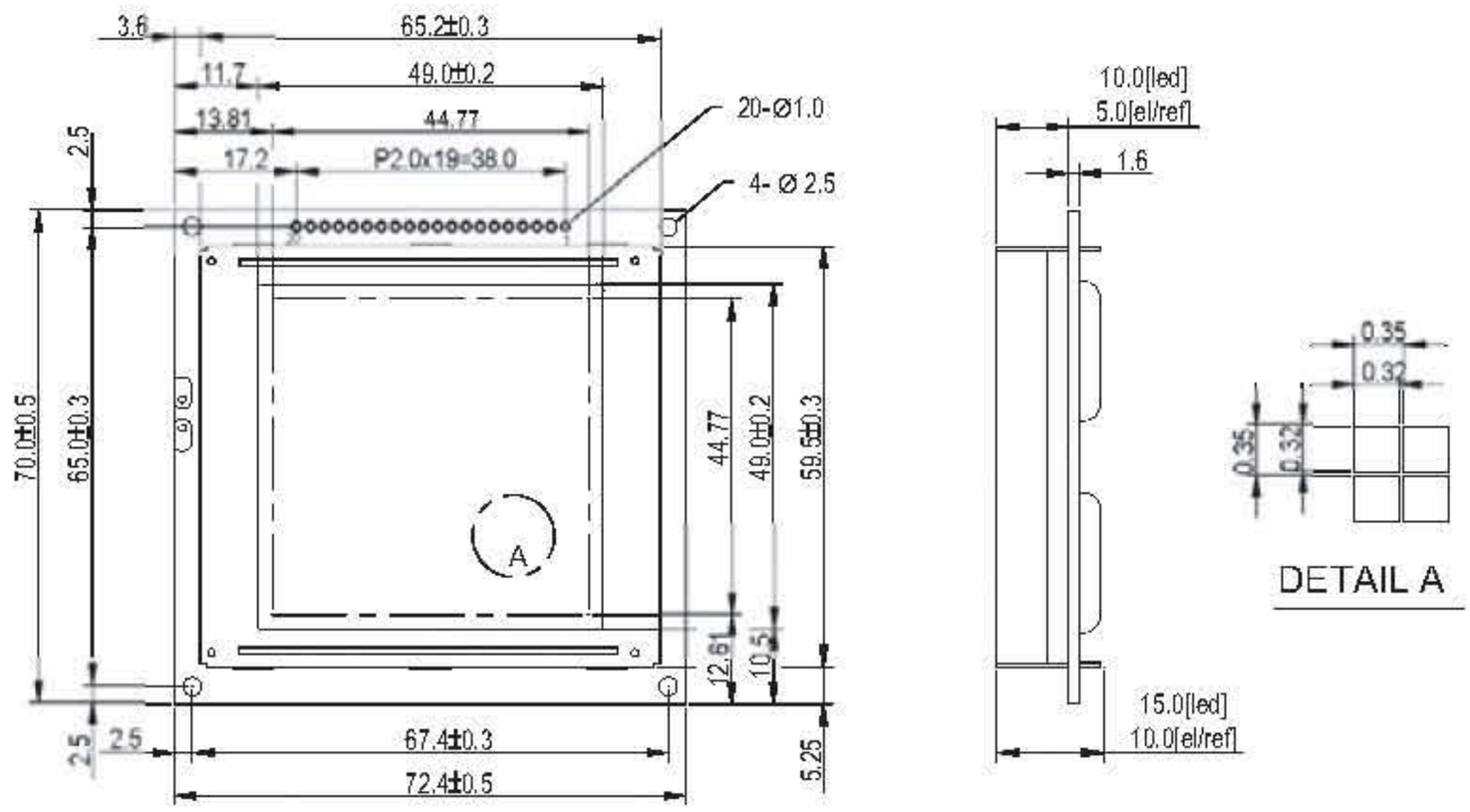
FEMA ELECTRONICS CORPORATION

128 x 128 LCD GRAPHIC MODULE

FEMA P/N: GM128128A

PACKAGE DIMENSIONS:



Feature

1. SMT PCB with metal frame
2. Built-in controller LC7981
3. 1/128 duty cycle
4. +5V single power supply
5. Option: LED, EL B/L
6. Option: negative voltage
7. Option: Touch panel

Mechanical Data

Item	Standard Value	Unit
Module Dimension	72.4 x 70.0	mm
Viewing Area	49.0 x 49.0	mm
Dot Size	0.32 x 0.32	mm
Dot Pitch	0.35 x 0.35	mm

Pin Assignment

Pin	Symbol	Function
1~8	DB0-7	Data bus line
9	RS	Data/Instruction select
10	R/W	Data read/write
11	E	Enable signal
12	/CS	Chip select
13	/RST	Reset signal
14	Vo	Contrast adjustment
15	Vdd	Power supply(+5V)
16	Vss	Power supply(GND)
17	Vee	Negative Voltage Output
18	NC	No connection
19	A	Power supply for B/L +
20	K	Power supply for B/L -

Electronic Characteristics

Item	Symbol	Condition	Typical Value	*Unit*
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	5.0	mA
LCD Driving Voltage	Vdd-Vo	25°C	17.6	V
LED Forward Voltage	Vf	25°C	4.2	V
LED Forward Current	If	25°C	320	mA