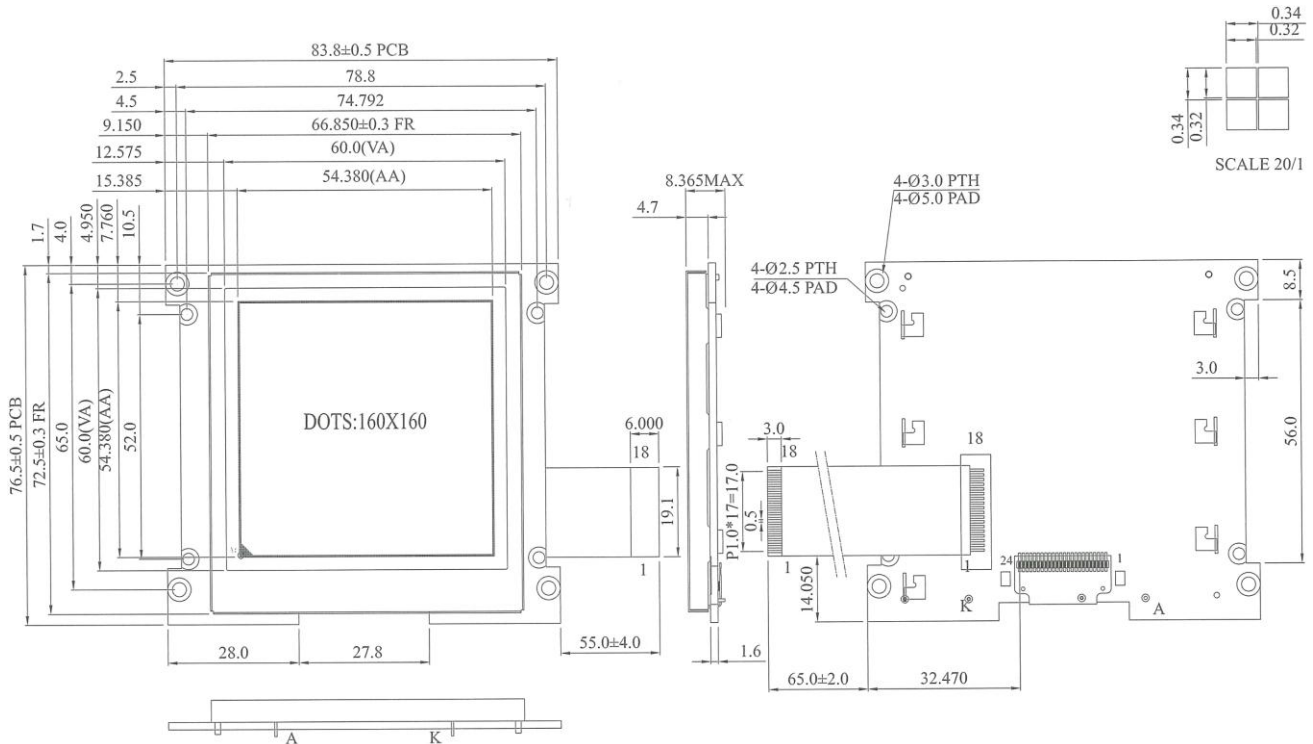


MSO160160A

Graphic COG 160x160

GMS.

■ ■ ■ DISPLAY SYSTEMS



Feature		
1. 160x160 dots includes cursor		
2. Built-in controller UC1698U		
3. +3.3V Power supply		
4. 1/160 duty cycle		
Pin	Symbol	Description
1	Vss	Ground
2	Ao	Date type select H: Data L: Instruction
3	WR	Write operation of the host interface
4	RD	Read operation of the host interface
5	XCS	Chip select PIN
6	RST	Reset signal
7	Vdd	Power supply for logic
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	LED -	Power supply for Backlight (-)
17	NC	No connection
18	LED +	Power supply for Backlight (+)

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	83.8 x 76.5	mm			
Viewing Area	60.0 x 60.0	mm			
Mounting Hole	78.8 x 65.0	mm			
Dot Size	0.32 x 0.32	mm			
Dot Pitch	0.34 x 0.34	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	3.0	3.3	3.6	V
Input Voltage	Vi	0	---	Vdd	V
Note: Vss=0 V, Vdd=3.3 V					

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd		3.0	3.3	3.6	V
Supply Current	Idd	Vdd=3.3V	---	---	8	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vo-Vss	-20°C	---	---	---	V
		25°C	16.2	16.5	16.8	
		70°C	---	---	---	
See Specification for Backlight information.						

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