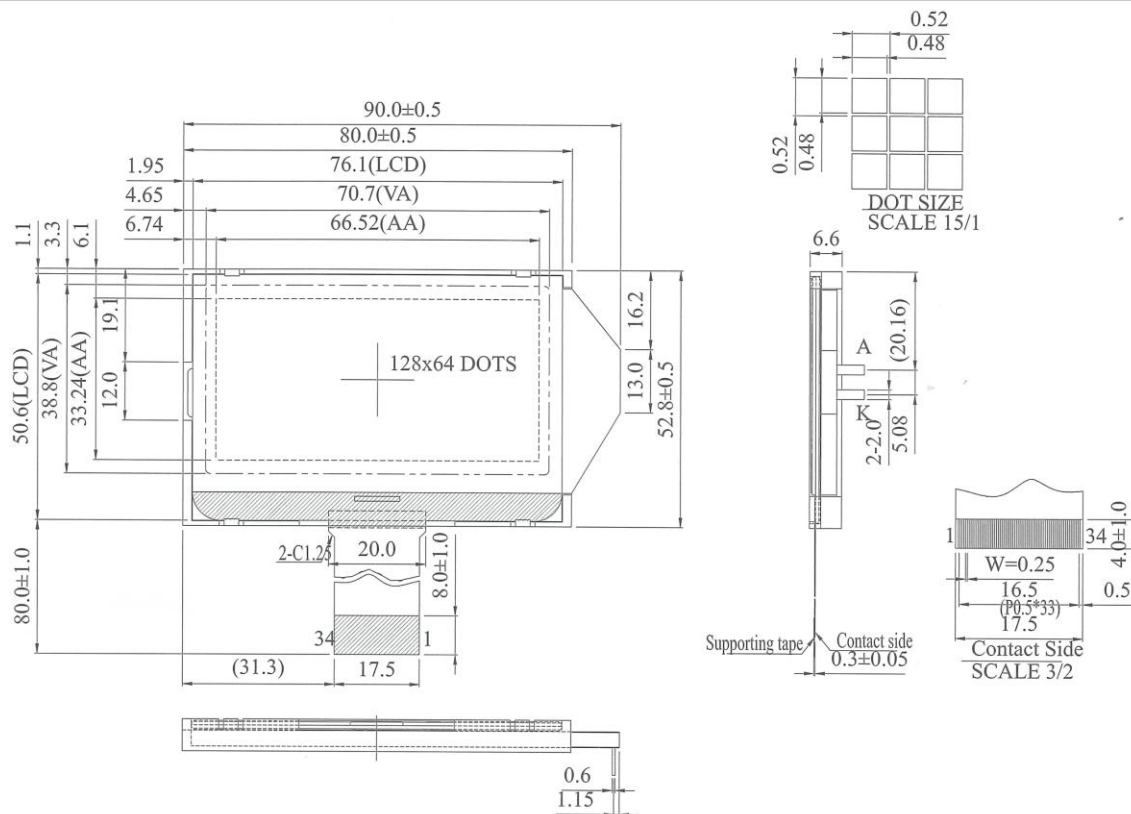


MSO12864D2/D3 GMS.

Graphic COG 128x64

■ ■ ■ DISPLAY SYSTEMS



Feature			
1. Built-in controller (ST7565P or equivalent)			
2. 1/64 duty cycle			
3. +3.3V Power supply			
4. MSO12864D3: Outline dimension is different and with 6 LED dices			
Pin	Symbol	Pin	Symbol
1	CS1	18	CAP3+
2	RES	19	CAP1-
3	Ao	20	CAP1+
4	WR (R/W)	21	CAP2+
5	RD/E	22	CAP2-
6	D0	23	CAP4+
7	D1	24	VRS
8	D2	25	V4
9	D3	26	V3
10	D4	27	V2
11	D5	28	V1
12	D6	29	V0
13	D7	30	VRS
14	Vdd	31	C86
15	Vss	32	P/S
16	Vout	33	HPM
17	CAP5-	34	IRS

Mechanical Data					
Item	Standard Value	Unit			
Module Dimension	80.0 x 54.0	mm			
Viewing Area	70.7 x 38.3	mm			
Dot Size	0.48 x 0.48	mm			
Dot Pitch	0.52 x 0.52	mm			
Absolute Maximum Rating					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Power Supply	Vdd - Vss	-0.3	---	5.0	V
Input Voltage	Vi	-0.3	---	Vdd+0.3V	V

Note: Vss= 0 V, Vdd=3.3 V

Electronical Characteristics						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	Vdd		2.7	3.0	3.3	V
Supply Current	Idd	Vdd=3.0V	---	0.6	1.0	mA
Recommended LC Driving Voltage for normal Temperature Version module	Vo-Vss	-20°C	10.0	10.2	10.4	V
		0°C	---	---	---	
		25°C	9.8	10.0	10.2	
		50°C	---	---	---	
		70°C	9.6	9.8	10.0	

See Specification for Backlight information.

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