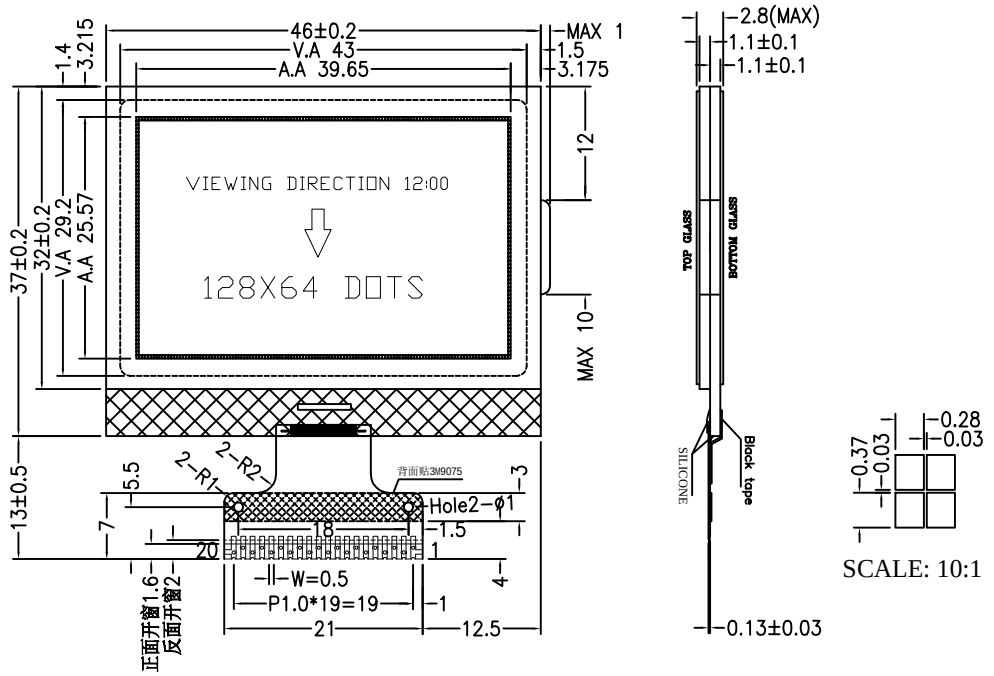
DSM12864-201B

128 X 64 Dots 1/64duty 1/9bias



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD	2.4	3.6	V
Supply Voltage(LCD)	V0-XV0	-0.3	16.0	V
Input Voltage	Vi	-0.3	VDD+0.3	V
Operating Temp.	Topr	-10	60	℃
Storage Temp.	Tstg	-20	70	℃

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	46.0 X 37.0 X 2.8	mm
Viewing Area(W X H)	43.0 X 29.2	mm
Dot Pitch(W X H)	0.31X 0.40	mm
Dot Size(W X H)	0.28X 0.37	mm
View Angle	12 O'Clock	

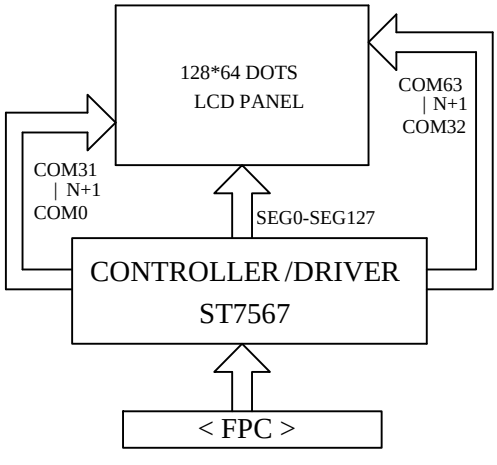
ELECTRICAL CHARACTERISTICS (Vdd=3.0V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	0.8VDD	--	VDD	V
Input Low Voltage	Vil	--	VSS	--	0.2VDD	V
Output High Voltage	Voh	--	0.8VDD	--	VDD	V
Output Low Voltage	Vol	--	VSS	--	0.2VDD	V
Current consumption	Idd	Vdd=3.0V	--	135	205	μA
LCD Driving Voltage	V0	Ta=25℃	--	9.0	--	V

PIN CONNECTIONS

Pin	Symbol	Function
1	CS1B	Chip select pin
2	/RES	Reset signal input
3	A0	"L": Control data "H": Display data
4	/WR	Write Select Signal
5	/RD	Read Enable Signal
6~13	D0-D7	Display Data Signal
14	VDD	Power Supply Voltage(+3.0V)
15	VSS	Ground
16	V0	LCD driving voltage for common
17	XV0	LCD driving voltage for common
18	VG	LCD driving voltage for segment
19	C86	The MPU interface selection pin.
20	P/S	parallel mode or serial mode.

BLOCK DIAGRAM



Display Type

LCD	Blacklight
FSTN/Positive/Reflective	