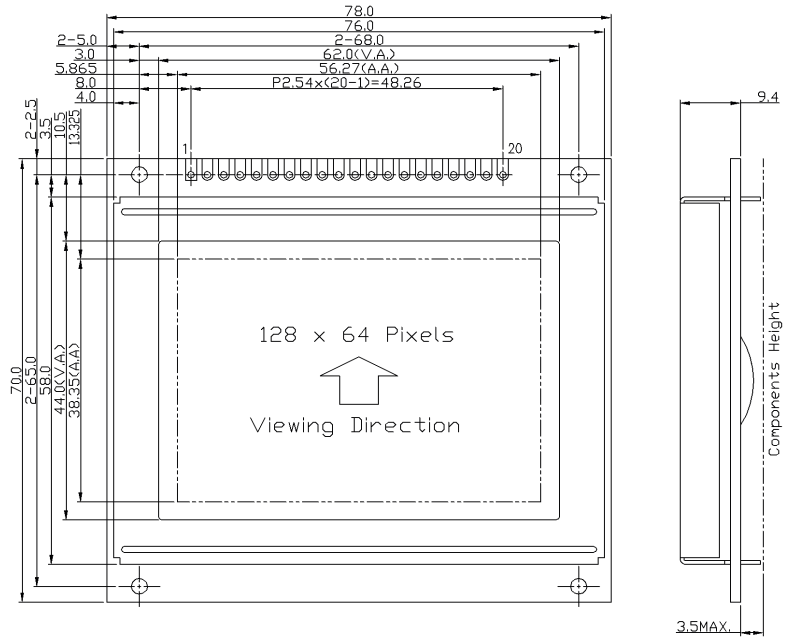


OUTLINE DRAWING



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TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	FG	Frame Ground
2	VSS	0V Power Supply, Ground
3	VDD	Positive Power Supply
4	V0	LCD Contrast Reference Input
5	/WR	Write enable input, active LOW
6	/RD	Read enable input, active LOW
7	/CE	Chip Enable Signal
8	C/D	Address for Data or Command C/D=H, /WR=L, /RD=H: Command Write C/D=H, /WR=H, /RD=L: Status Read C/D=L, /WR=L, /RD=H: Data Write C/D=L, /WR=H, /RD=L: Data Read
9	/RST	Reset Signal /RST = L, Reset the LCD Module /RST = H, Normal Running
10	DB0	8-bit bi-directional data bus
:	:	
17	DB7	
18	FS1	Font Selection Input FS1=H: 6X8 font FS1=L: 8X8 font
19	BLK	LED Backlight Negative Power Supply
20	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode*	STN-YG, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/64 duty, 1/9 bias
Backlight	YG LED backlight

MECHANICAL DATA

Item	Value
Outline (mm)	78.0 x 70.0 x 12.9 MAX.
Viewing Area (mm)	62.0 x 44.0
Active Area (mm)	56.27 x 38.35
Dot Pitch (mm)	0.44 x 0.60
Dot Size (mm)	0.39 x 0.55

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	270	390

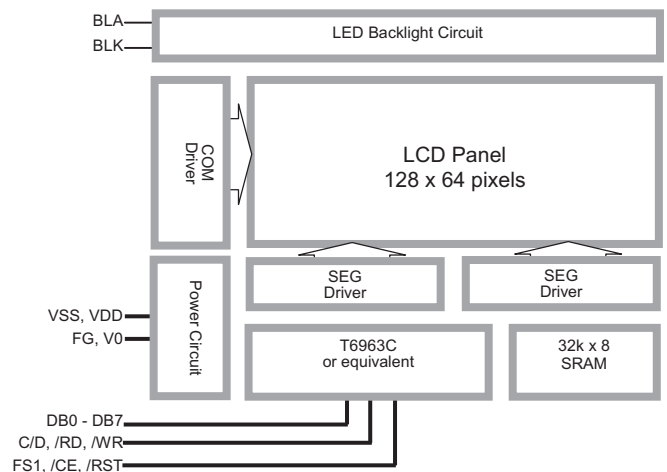
ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V _{DD}	0	6.0
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.5	5.0	5.5
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.5
Operating Current (mA)	I _{DD}	-	5.0	14.0

ELECTRICAL CHARACTERISTICS

BLOCK DIAGRAM



LM12864T series

	Highlight		
	LCD Mode		
LM12864TBC*	STN-YG	Nil	YG
LM12864TBY-1	STN-YG	Built-in	YG
LM12864TFC	STN-Blue	Nil	White
LM12864TFC-1	STN-Blue	Built-in	White

For similar product or (semi) custom made LCD module, please visit our web site or contact us.

*The above product information is based on this model.