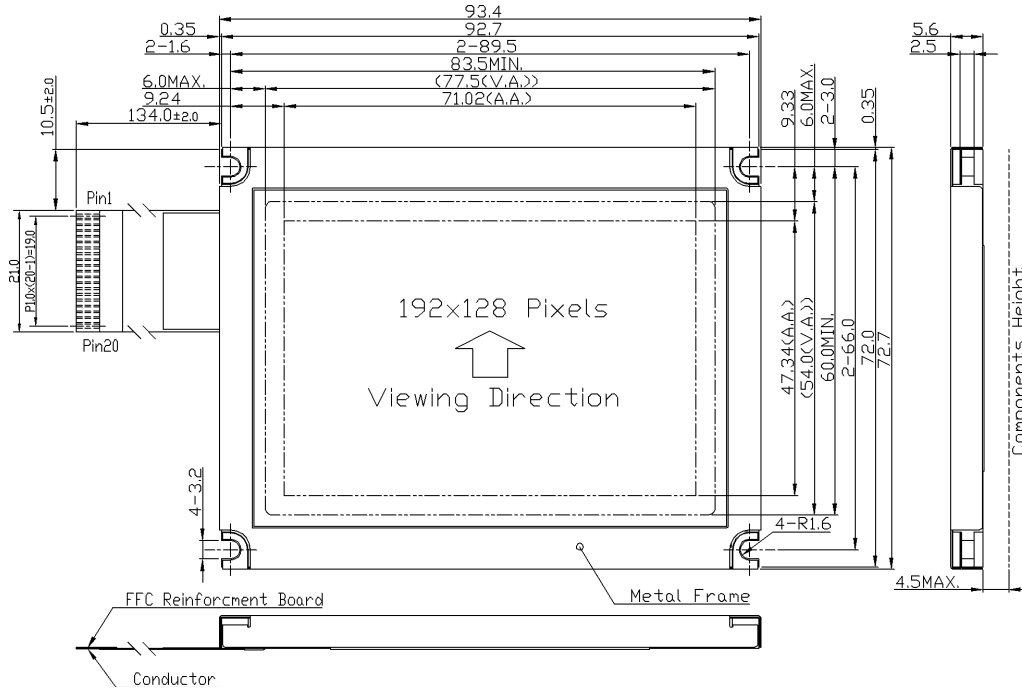


OUTLINE DRAWING



TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VOUT	Power Booster Output for V0
2	V0	LCD Contrast Reference Input
3	VDD	Positive Power Supply
4	VSS	0V Power Supply, Ground
5	/WAIT	Wait Signal
6	NC	No connection (leave open)
7	/CS	Chip Selection
8	A0	Data Type Select A0=HIGH: command write, display data or cursor add read A0=LOW: status flag read, display data or parameter write
9	/WR (R/W)	Write enable input, active LOW
10	/RD(E)	Read enable input, active LOW
11	DB0	8-bit bi-directional data bus
:	:	
18	DB7	
19	/RST	Reset Signal /RES=L, Reset the LCD Module /RES=H, Normal Running
20	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode*	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/128 duty, 1/12 bias
Backlight	White LED backlight

MECHANICAL DATA

Item	Value
Outline (mm)	93.4 x 72.7 x 10.1 MAX.
Viewing Area (mm)	77.5 x 54.0
Active Area (mm)	71.02 x 47.34
Dot Pitch (mm)	0.37 x 0.37
Dot Size (mm)	0.35 x 0.35

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V _{DD}	0	7.0
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

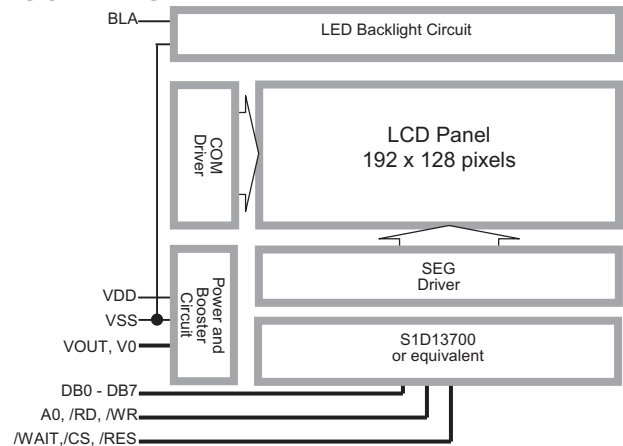
ELECTRICAL CHARACTERISTICS*

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}	SS	-	0.15 V _{DD}
Operating Current (mA)	I _{DD}	-	15.0	43.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	85	110

BLOCK DIAGRAM



LM1095E series

	Highlight	
	LCD Mode	Voltage
LM1095E*	FSTN-Pos	5.0V
LM1095E-1	FSTN-Pos	3.3V
LM1095EFC	STN-Blue	5.0V
LM1095EFW-1	STN-Blue	3.3V

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.