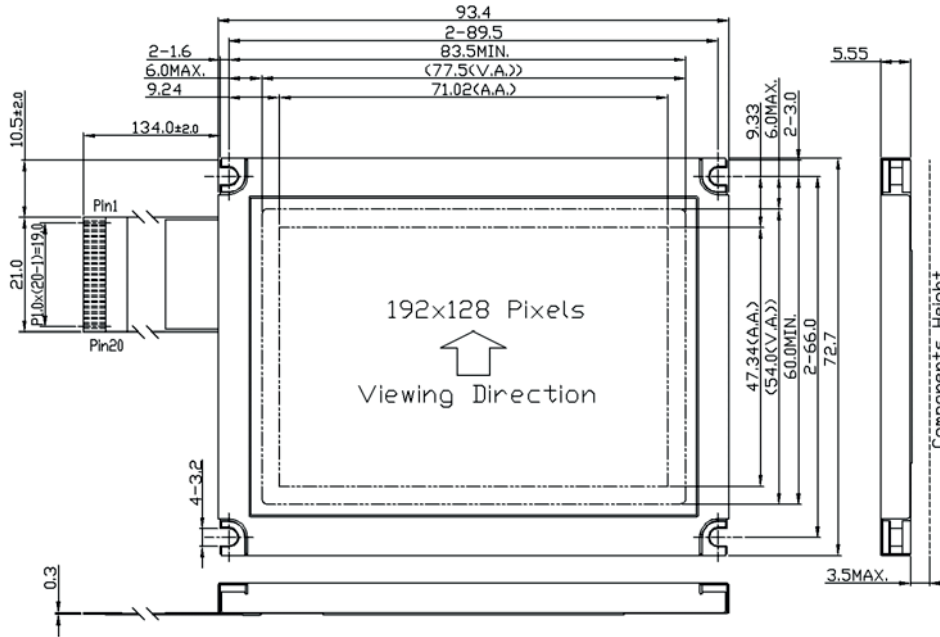


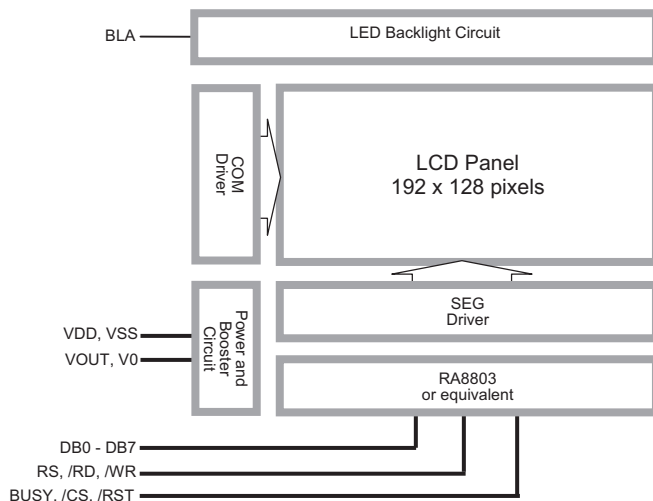
OUTLINE DRAWING



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	BUSY	Controller busy signal
6	NC	No connection (leave open)
7	/CS	Chip Enable Signal
8	RS	Register Select RS=HIGH, Transferring Display Data RS=LOW, Transferring Instruction Data
9	/WR	Write enable input, active LOW
10	/RD	Read enable input, active LOW
11	DB0	8-bit bi-directional data bus
:	:	
18	DB7	
19	/RST	Reset Signal /RST=L, Reset the LCD Module /RST=H, Normal Running
20	BLA	LED Backlight Positive Power Supply

BLOCK DIAGRAM



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 9.05 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	Sym.	Min	Max
Operating Voltage (V)	V _{DD}	0	5.5
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

ELECTRICAL CHARACTERISTICS*

Item	Sym.	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.7	5.0	5.3
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.1V _{DD}
Operating Current (mA)	I _{DD}	-	13.0	35

BACKLIGHT CHARACTERISTICS

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

LM1095R series

	Highlight		
	LCD Mode	*Voltage	Terminal
LM1095R-1	STN-Blue	5.0V	FFC
LM1095R-2 STN-Blue	FFC		
LM1095R-3	FSTN-Pos	5.0V	Socket
LM1095R-4	STN-Blue	5.0V	Socket
LM1095R-6*	FSTN-Pos	5.0V	FFC
LM1095R-A	FSTN-Pos	3.3V	FFC

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

*The above information is based on this model.