

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	Data or Command Write Signal
6	/RD	Data or Status Read Signal
7	/CE	Chip Enable Signal
8	C/D	Address for Data or Command C/D = H: Command Write or Status Read C/D = L: Data Write or Data Read
9	NC	No Connection (leave open)
10	/RST	Reset Signal /RST=L, Reset the LCD Module /RST=H, Normal Running
11	DB0	8-bit data bus
:	:	
18	DB7	
19	FS1	Font Selection Input FS1=H: 6 x 8 font FS1=L: 8 x 8 font
20	VOUT	Power Booster Output for V0
21	BLA	LED Backlight Positive Power Supply
22	BLK	LED Backlight Negative Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode*	STN-Blue, Negative, Transmissive
Viewing Angle*	6:00
Driving Method	1/64 duty, 1/9 bias
Backlight [†]	White LED Backlight

MECHANICAL DATA

Item	Value
Outline (mm)	180.0 x 62.0 x 12.3MAX
Viewing Area (mm)	134.0 x 41.0
Active Area (mm)	127.16 x 33.88
Dot Pitch (mm)	0.53 x 0.53
Dot Size (mm)	0.49 x 0.49

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

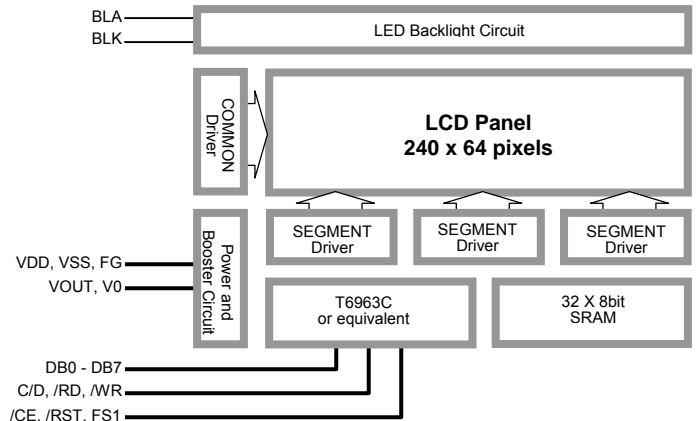
ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.5	5.0	5.5
Input High Voltage (V)	V _{IH}	0.6V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	0	-	0.6
Operating Current (mA)	I _{DD}	-	7.0	20.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	165	200

BLOCK DIAGRAM



LM24064D series

Major Models	Highlight	
	* LCD Mode	[†] Backlight
LM24064DBC	STN-YG	YG LED
LM24064DDC	STN-Gray	White LED
LM24064DFC*	STN-Blue	White LED
LM24064DGC	FSTN-Neg	White LED

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.