

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD	-0.3	4.0	V
Supply Voltage(LCD)	V0-V1V0	-0.3	13.5	V
Input Voltage	V1	-0.3	VDD+0.3	V
Operating Temp.	Temp	-20	70	°C
Storage Temp.	Tstg	-30	80	°C

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	30.0 X 11.5 X 1.8	mm
Viewing Area(W X H)	24.384 X 7.584	mm
Dot Pitch(W X H)	0.175 X 0.175	mm
Dot Size(W X H)	0.159 X 0.159	mm
View Angle	6°Clock	

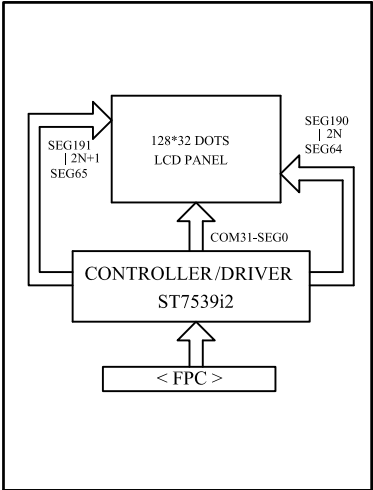
ELECTRICAL CHARACTERISTICS (VDD=3.0V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	0.7VDD	--	VDD	V
Input Low Voltage	Vil	--	VSS	--	0.3VDD	V
Output High Voltage	Voh	--	0.8VDD	--	VDD	V
Output Low Voltage	Vol	--	VSS	--	0.2VDD	V
Current consumption	Idd	Vdd=3.0V	--	150	220	µA
LCD Driving Voltage	V0	Tp=25°C	--	10	--	V

PIN CONNECTIONS

Pin	Symbol	Function
1	VG	LCD driving voltage for segment
2	XV0	LCD driving voltage for common
3	V0	LCD driving voltage for common
4	VSS	Ground
5	VDD	Power Supply Voltage(+3.0V)
6	BM0	Microprocessor interface select pins
7	BM0	Microprocessor interface select pins
8	SDA	Serial data input.
9	SCL	Serial clock input.
10	A0	"1": Control data "1": Display data
11	RST	Reset signal input
12	CS0	Chip select pin
13	A	Supply voltage for backlight +3.0V
14	K	Supply voltage for backlight Ground

BLOCK DIAGRAM



Display Type	Backlight
LCD	Blacklight
VANEGATIVE	WHITE
Transmissive	3.0V , 15mA