

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD	2.4	3.3	V
Supply Voltage(LCD)	V0-XV0	-0.3	16.0	V
Input Voltage	Vi	-0.3	VDD+0.3	V
Operating Temp.	Topr	-20	70	°C
Storage Temp.	Tstg	-30	80	°C

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	49.5 X 25.5 X 3.0	mm
Viewing Area(W X H)	45.3 X 15.59	mm
Dot Pitch(W X H)	0.34 X 0.34	mm
Dot Size(W X H)	0.31 X 0.31	mm
View Angle	6 O'Clock	

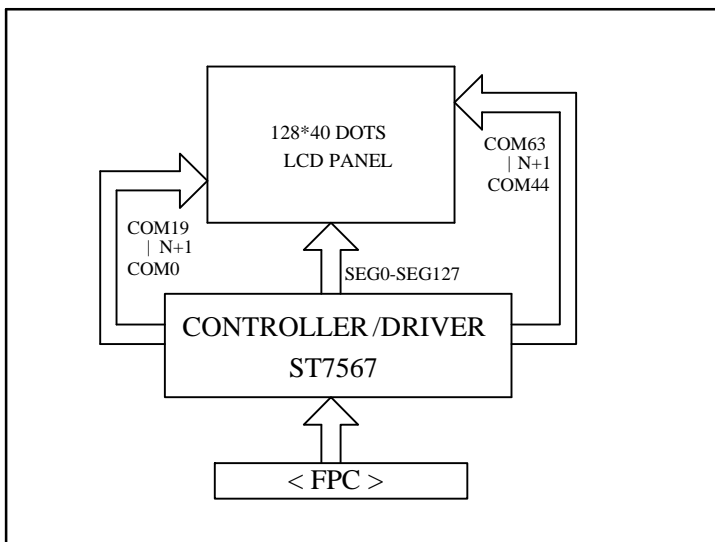
ELECTRICAL CHARACTERISTICS (Vdd=3.0V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	0.8VDD	--	VDD	V
Input Low Voltage	Vil	--	VSS	--	0.2VDD	V
Output High Voltage	Voh	--	0.8VDD	--	VDD	V
Output Low Voltage	Vol	--	VSS	--	0.2VDD	V
Current consumption	Idd	Vdd=3.0V	--	135	205	μA
LCD Driving Voltage	V0	Ta=25 °C	--	8.7	--	V

PIN CONNECTIONS

Pin	Symbol	Function
1	CS	Chip select pin
2	RET	Reset signal input
3	A0	"L": Control data "H": Display data
4	SCL	Serial clock input.
5	SDA	Serial data input.
6	VDD	Power Supply Voltage(+3.0V)
7	VSS	Ground
8	V0	LCD driving voltage for common
9	XV0	LCD driving voltage for common
10	VG	LCD driving voltage for segment
11	A	Supply voltage for backlight +3.3V
12	K	Supply voltage for backlight Ground

BLOCK DIAGRAM



Display Type

LCD	Backlight
FSTN/Positive	White
Transflective	3.0V , 30mA