

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD	3.0	3.6	V
Supply Voltage(LCD)	V0-XV0	-0.3	13.0	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)	50.0 X 40 X 4.1	mm
Viewing Area(W X H)	47 X 30.6	mm
Dot Pitch(W X H)	0.275X 0.292	mm
Dot Size(W X H)	0.255X 0.272	mm
View Angle	6 O'Clock	

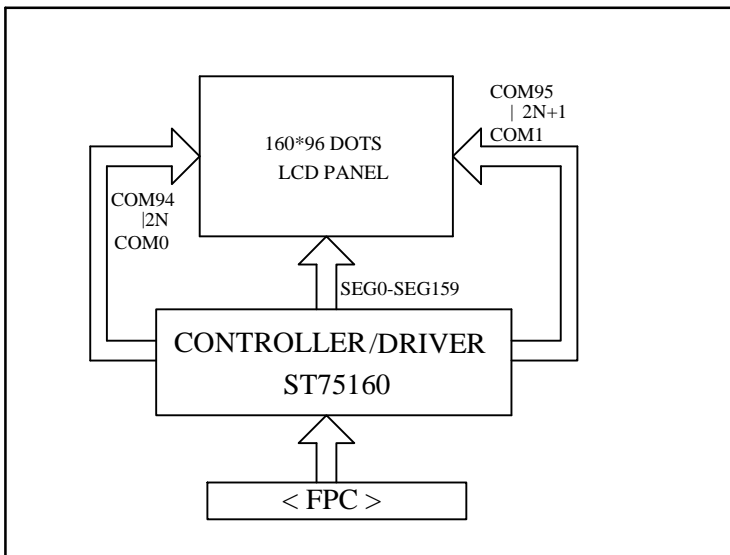
ELECTRICAL CHARACTERISTICS (Vdd=3.0V±0.3V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	Vih	--	0.7VDD	--	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	--	µA
LCD Driving Voltage	V0	Ta=25 °C	--	10.0	--	V

PIN CONNECTIONS

Pin	Symbol	Function
1	VG	LCD driving voltage for segment
2	V0	LCD driving voltage for common
3	XV0	LCD driving voltage for common
4	C1+	DC/DC voltage converter.
5	C1-	DC/DC voltage converter.
6	VDD	Power Supply for Logic(+3.0V)
7	VSS	Ground
8	IF1	select interface operation mode.
9	IF0	select interface operation mode.
10	/CS	Chip select pin
11	A0	"L": Control data "H": Display data
12	ERD	Read Enable Signal
13	RWR	Write Select Signal
14	/RST	Reset signal input
15~22	D0~D7	Display Data Signal

BLOCK DIAGRAM



Display Type

LCD	Blacklight
FSTN/POSITIVE	ORANGE/2.0V/45mA
TRANSFLECTIVE	GREEN/3.0V/45mA