

DG-16080

GRAPHIC LCM 160 X 80 Dots

MECHANICAL DATA

- Module Size : 100.0(W) x 54.0(H) x 11.3(T) (mm)
- Viewing Area : 72.3(W) x 37.8(H) (mm)
- Dot Pixels : 160 x 8 (dots)
- Dot Size : 0.39 x 0.39 (mm)
- Dot Pitch : 0.42 x 0.42 (mm)

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Standard Value			Unit
		Min	Typ.	Max.	
Supply Voltage for Logic	Vdd-Vss	0	--	7.0	V
Supply Voltage for LCD Drive	Vdd-Vee	0	--	19.0	V
Input Voltage	Vi	Vss	--	Vdd	V
Operation Temperature	Topr	0	--	50	°C
Storage Temperature	Tstg	-20	--	70	°C

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Specification	Unit
LCD Supply Voltage	VDD	--	4.75=>5.25	V
	V0	--	-5.0=>-20.0	V
EL Drive Voltage	VEL	fEL=500Hz	90=>110	V
High Level Input Voltage	VIH	VDD= 5+0.25V	(0.7=>1.0)x VDD	V
Low Level Input Voltage	VIL	VDD= 5+0.25V	(0=0.3)x VDD	V
High Level Output Voltage	VOH	VDD= 5+0.25V	2.4=> VDD	V
Low Level Output Volatge	VOL	VDD= 5+0.25V	0=> 0.4	V
Current Consumption	IDD	VDD= 5.0V	15.0 MAX	V
	IEE	VEE=-10V	4.0 MAX	mA
	IEL	VEL= 110V	20.0 (AC) Max	mA
		fEL=500Hz		mA

PIN ASSIGNMENT

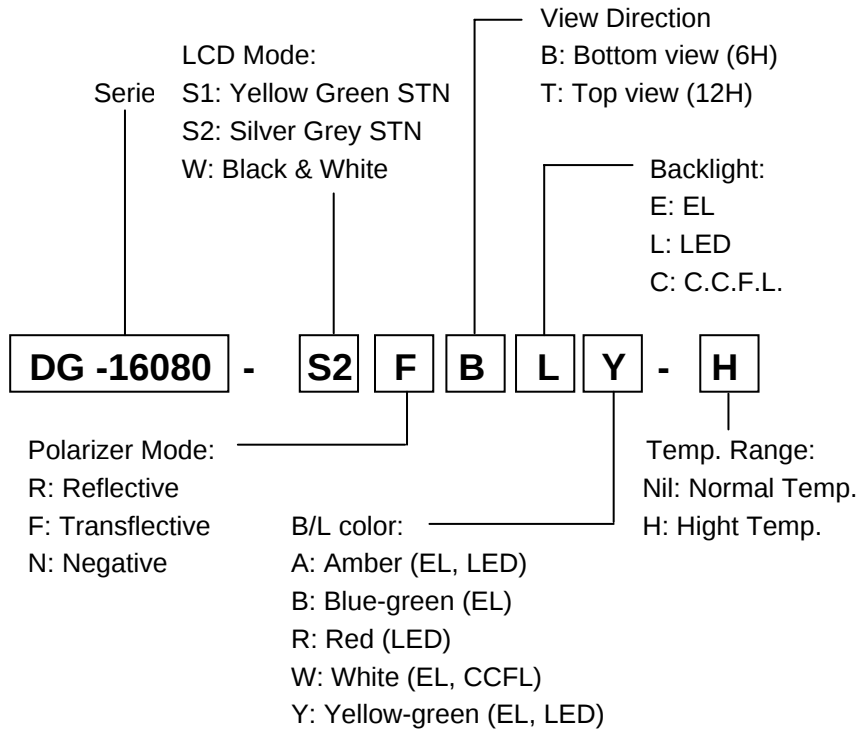
No.	Symbol	Level	Function	No.	Symbol	Level	Function
1	Vss	--	Ground	15	CS	L	Chip Enable Active L
2	VDD	--	Power Supply for Logic Circuit	16	RES	L	Reset Active L
3	V0	--	Power supply for LCD	17	VEE	--	Negative Voltage Output (-10V)
4	RS	H/L	H: Instruction, L: Data	18	N/C	--	--
5	R/W	H/L	H: Data Read L: Data Write				
6	E	H/L	Enable				
7~14	DB0~DB7	H/L	Data bus Line				

OPTION

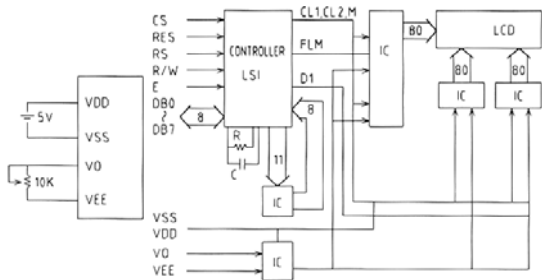
LCD Type								Backlight Type				Built-in Control LSI
S1	S2	W	N	R	F	M	H	EL	LED	CCFL	Touch Panel	
●	●	●	●	●	●	●	●	●	●		●	LC7981

Note: CCFL - Cold Cathode Fluorescent Lamp

■ ORDERING INFORMATION



■ BLOCK DIAGRAM



■ EXTERNAL DIMENSIONS

