

Interface Pin Connections

NO	SYM	LEVEL	FUNCTION	NO	SYM	LEVEL	FUNCTION
1	VSS	-	GND	10	DB1	H/L	DATA BIT 1
2	VDD	-	5V	11	DB2	H/L	DATA BIT 2
3	VO	-	CONTRAST ADJUSTMENT	12	DB3	H/L	DATA BIT 3
4	RST	H/L	RESET SIGNAL	13	DB4	H/L	DATA BIT 4
5	E1	-	CHIP ENABLE SIGNAL	14	DB5	H/L	DATA BIT 5
6	E2	-	CHIP ENABLE SIGNAL	15	DB6	H/L	DATA BIT 6
7	R/W	H/L	READ/WRITE	16	DB7	H/L	DATA BIT 7
8	A0	H/L	H:DATA L:INSTRUCTION CODE	17	A(+)	4.2V	BACKLIGHT
9	DB0	H/L	DATA BIT 0	18	K(-)	GND	BACKLIGHT

Absolute Maximum Rating

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
POWER SUPPLY	VDD-VSS	-0.3	---	5.5	V
INPUT VOLTAGE	VI	-0.3	---	VDD	

Electrical Characteristics

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT VOLTAGE	VDD	+ 5V	4.7	5.0	5.5	V
SUPPLY CURRENT	IDD	VDD = 5V	---	2.5	---	mA
RECOMMENDED LCD DRIVING VOLTAGE FOR NORMAL TEMPERATURE VERSION MODULE	VDD-VO	-20 C	----	---	---	V
		0 C	4.7	5.0	5.5	
		25 C	4.3	4.5	4.7	
		50 C	4.1	4.3	4.5	
		70 C	---	---	--	
LED FORWARD VOLTAGE	VF	25 C	----	4.2	4.5	V
LED FORWARD CURRENT	IF	25 C	---	120	---	mA
EL POWER SUPPLY CURRENT	IEL	VEL = 110V AC 400Hz	---	---	---	mA

Mechanical Data

ITEM	STANDARD	UNIT
MODULE DIMENSION	84.0 X 44.0	mm
VIEWING AREA	64.0 X 17.9	mm
DOT SIZE	0.40 X 0.45	mm
CHARACTER SIZE	0.44 X 0.49	mm