

Interface Pin Connections

NO	SYM	LEVE	FUNCTION	NO	SYM	LEV	FUNCTION
1	V _{DD}	-	5V	11	DB7	H/L	DATA BIT 7
2	V _{SS}	-	GND	12	CS1	-	CHIP SELECT IC1
3	V _O	-	CONTRAST	13	CS2	-	CHIP SELECT IC2
4	DB0	H/L	DATA BIT 0	14	RST	-	RESET SIGNAL
5	DB1	H/L	DATA BIT 1	15	R/W	H/L	READ/WRITE
6	DB2	H/L	DATA BIT 2	16	D/I	H/L	H:DATA, I; INSTRUCTION
7	DB3	H/L	DATA BIT 3	17	E	H/L	ENABLE SIGNAL
8	DB4	H/L	DATA BIT 4	18	VEE	-	(-) VOLTAGE OUTPUT
9	DB5	H/L	DATA BIT 5	19	A(+)	4.2V	BACKLIGHT
10	DB6	H/L	DATA BIT 6	20	K(-)	GND	BACKLIGHT

Absolute Maximum Rating

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
POWER SUPPLY	V _{DD} -V _{SS}	-0.3	---	5.5	V
INPUT VOLTAGE	V _I	-0.3	---	V _{DD}	

Electrical Characteristics

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
INPUT VOLTAGE	V _{DD}	+ 5V	4.7	5.0	5.5	V
SUPPLY CURRENT	I _{DD}	V _{DD} = 5V	---	8	---	mA
RECOMMENDED LCD DRIVING VOLTAGE FOR NORMAL TEMPERATURE VERSION MODULE	V _{DD} -V _O	-20 C	---	---	---	V
		0 C	---	9.8	---	
		25 C	---	9.5	---	
		50 C	---	9.3	---	
		70 C	---	---	---	
LED FORWARD	V _F	25 C	---	4.2	4.5	V
LED FORWARD	I _F	25 C	---	240	---	mA
EL POWER SUPPLY CURRENT	I _{EL}	V _{EL} = 110V AC 400Hz	---	---	---	mA

Mechanical Data

ITEM	STANDARD	UNIT
MODULE DIMENSION	75.0 X 52.7	mm
VIEWING AREA	60.0 X 32.5	mm
DOT SIZE	0.39 X 0.39	mm
CHARACTER SIZE	0.43 X 0.43	mm