



Interface

Pin no	Symbol	Function
1	VSS	Power supply (GND)
2	VDD	Power supply(+)
3	NC	NC
4	RS	H/L Register select signal
5	R/W	H/L Read /write signal
6	E	H→L Enable signal
7	DB0	H/L Date bus line
8	DB1	H/L Date bus line
9	DB2	H/L Date bus line
10	DB3	H/L Date bus line
11	DB4	H/L Date bus line
12	DB5	H/L Date bus line
13	DB6	H/L Date bus line
14	DB7	H/L Date bus line
15	LEDA	Power supply for LED B/L (+)
16	LEDK	Power supply for LED B/L (-)

Feature

Controller	ST7920-0A	Module	80 x 36
Duty	1/33 duty	Viewing Area	65 x 16
Bias	1/6 bias	Mounting hole	75 x 31
B/L	Y/G	Character Size	0.39 x 0.39

Absolute Maximum Rating

Item	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vss	25°C	-0.3	13	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°C	4.5	-	5.5	V
LCD operation voltage	Vop	25°C	-	5.8	-	V
LED Forward Voltage	VF	25°C	-	4.2	-	V
LED Forward Current	IF	25°C	-	20	-	mA