



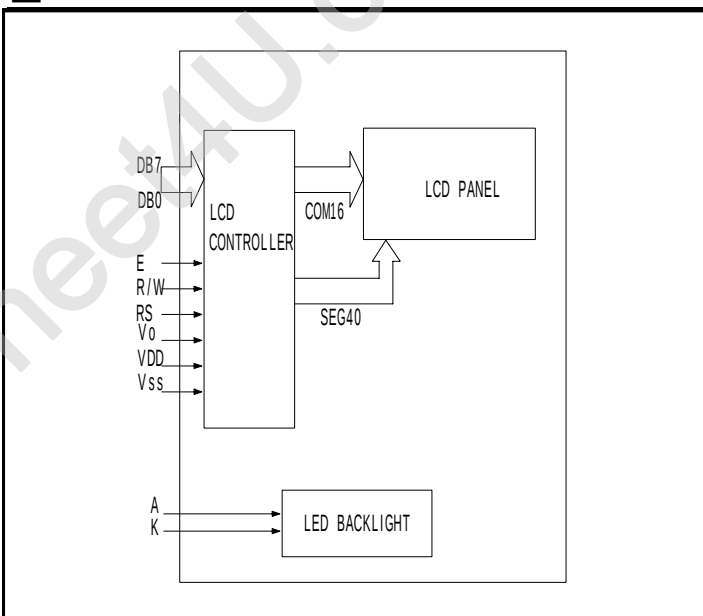
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ELECTRICAL CHARACTERISTICS

- | M | | SYMBOL | CONDITION | MIN. | TYP. | MAX. | UNIT |
|-----------------------|---------------------------------|----------------------------------|-----------|------|------|-----------------|------|
| LCD Operating Voltage | V _{DD} -V _O | T=0°C | - | 4.8 | - | V | |
| | | T=25°C | - | 4.5 | - | V | |
| | | T=50°C | - | 4.2 | - | V | |
| Supply Voltage | | V _{DD} -V _{SS} | - | 4.7 | 5 | 5.3 | V |
| Supply Current | | I _{DD} | - | - | 1.2 | 2.5 | mA |
| Input | "HIGH" Level | V _{IH} | - | 2.2 | - | V _{DD} | V |
| Voltage | "LOW" Level | V _{IL} | - | 0 | - | 0.6 | V |
| Output | "HIGH" Level | V _{OH} | - | 2.4 | - | - | V |
| Voltage | "LOW" Level | V _{OL} | - | - | - | 0.4 | V |

■ BLOCK DIAGRAM

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	58.0 x 32.0 x 8.4 (12.8 LED)	mm
Viewing Area (W x H)	38.0 x 16.0	mm
Character Size (W x H)	2.96 x 5.56	mm
Character Pitch (W x H)	3.55 x 5.94	mm
Dot Size (W x H)	0.56 x 0.66	mm
Dot Pitch (W x H)	0.60 x 0.70	mm



NO.	SYMBOL	FUNCTION	NO.	SYMBOL	FUNCTION
1	V _{SS}	Supply Ground	9	DB2	Data Bit 2
2	V _{DD}	Supply Voltage	10	DB3	Data Bit 3
3	V _O	Contrast Adj.	11	DB4	Data Bit 4
4	RS	Register Select	12	DB5	Data Bit 5
5	R/W	Read/Write	13	DB6	Data Bit 6
6	E	Enable Signal	14	DB7	Data Bit 7
7	DB0	Data Bit 0			
8	DB1	Data Bit 1			

EXTERNAL DIMENSIONS

