

Introducing LEDM-Series

LED Lighting Connector Board to Board

Features & Benefits

- Optional 2,4 and 6 positions available
- Hermaphroditic, “mates-to-itself” design simplifies connector selection
- An easy mating interface with blade contact
- A fully articulated joint to support two PCB's connections through 90~180o rotation
- Tape and reel package for automated assembly
- Low profile and space-saving configuration enhance installation flexibility
- High-temperature materials can withstand IR reflow soldering
- RoHS compliant

Description

The board-to-board connector in SMT version with hermaphroditic design that is having plug and receptacle configuration.

Applications

LED Lighting Modules
Brilliant Lighting Devices
LED Channel Letter Signs

Electrical Data

Operating Current: 3 AMPS
Dielectric Withstanding Voltage: 600VAC/min
Insulation Resistance: 1000MΩ/min

Mechanical Data

Operating Temperature: -40 oC to +105 oC

Materials

Insulator: UL94V-0, Hi-Temp. Thermoplastic
Contacts: Phosphor Bronze

Product Selection

Please refer to the data sheet of LEDM-Series to choose the best option from the list of possible combinations.

SPECIFICATIONS

Current Rating: 3A AC,DC
Temperature Range: -40°C ~ +105°C
Contact Resistance: 20mΩ Max
Insulation Resistance: 1000MΩ Min
Withstanding Voltage: 600V AC/minute

Material

Insulator: Polyester, Nylon 6T, UL94V-0
Contact: Phosphor Bronze

ORDER INFORMATION

LED M - XX X W X - U

No. of contacts
(02,04,06)

T: Tin Plated

G: Gold Plated

S: Selective Plated

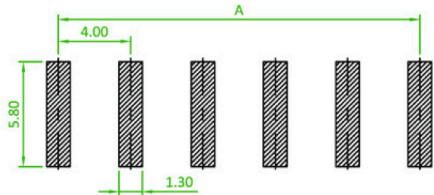
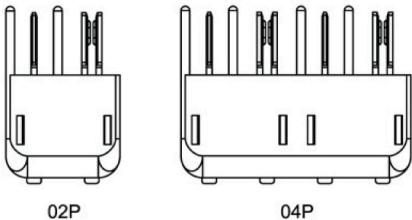
W: White insulator

T: Tube

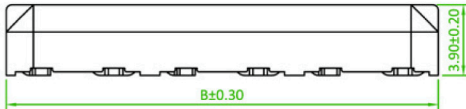
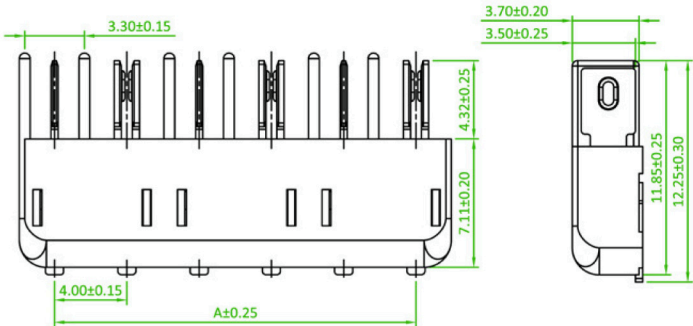
R: Tape & Reel

U: RoHS + NY 6T

©: Standard Recommend



Recommended P.C. Board Layout
(Tolerance: ±0.05)



No. of Contacts	Dimensions	
	A	B
02	4.00	7.90
04	12.00	15.90
06	20.00	23.90

AREA	REV.	DESCRIPTION	DATE

TITLE	LED Connector			
	PART NO.	LED M-XX-U		DATE
	DRAWING NO.	LED M-XX-U	REV.	A
	CUSTOMER P/N		SCALE	FREE
	TOLERANCE	X ±0.25 XX ±0.20	UNIT	mm