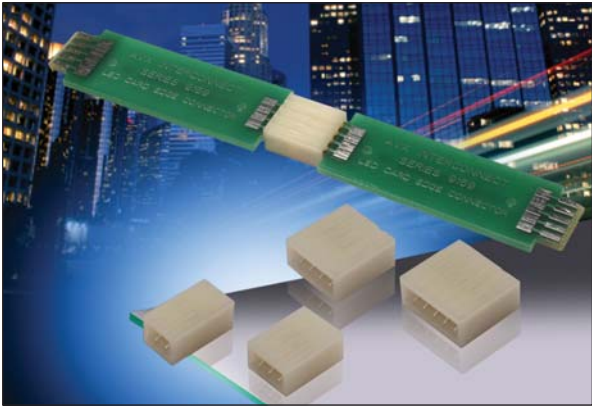


Standard Card Edge: BTB

00-9159



The 9159 series of Board-to-Board interconnect system allows two PCB's to be mated end-to-end creating strips of LED lighting. Designed specifically for the unique Solid State Lighting (SSL) market requiring coplanar (horizontal-to-horizontal) PCB mating. The 1-Piece Card Edge connector was developed to provide a reliable, low cost and simple means of connecting multiple PCB's together. The single stamped contact has dual contact beams to guarantee a high contact force on standard 1.6mm PCB's. These connectors are available in 2 through 5 positions and are on 2.0mm pitch centers to provide a 3 amp continuous rating.

APPLICATIONS

- Coplanar PCB mating in SSL products
- LED linear lighting strips

FEATURES AND BENEFITS

- Dual contacts provide positive contact force for enhanced reliability
- Mates with standard 1.6 ± 0.15mm PCB on 2.0mm pad pitch
- 3 amp current rating for high current applications
- Available in white: supports SSL market preferences

ELECTRICAL

- Current Rating: 3 Amps / Contact
- Voltage Rating: 300 VAC

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

MECHANICAL

- Insulator Material: Nylon 46: UL94HB
- Contact Material: Phosphor Bronze
- Plating: Tin over Nickel
- Durability: 5 Cycles

HOW TO ORDER

00

Prefix

9159

Series

00X

Number of Ways

Code	No of Ways	Details
002	2	Page 2
003	3	Page 3
004	4	Page 4
005	5	Page 5

0

Single Part PCB Strip Connector

01

PCB Thickness
01 = 1.60 ± 0.15

9

Color Options
9 = UL

1

Packaging Options
1 = Bag (std)

X

Plating Option
6 = Pure Tin all over
1 = Gold Flash

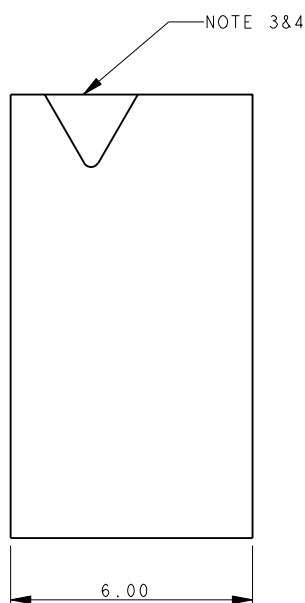
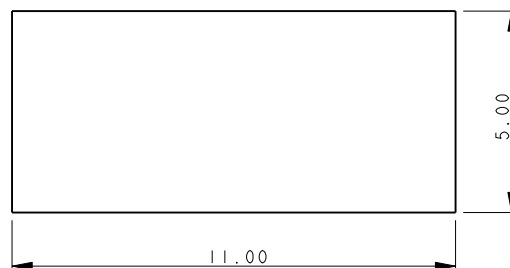
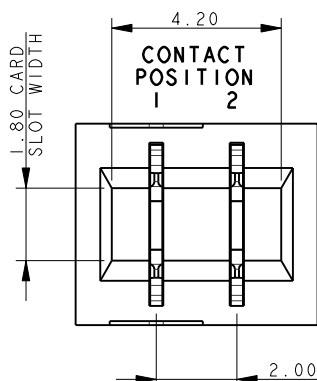


Certification: UL File #E90723

Standard Card Edge: BTB

00-9159

2 WAY SINGLE PART PCB STRIP CONNECTOR

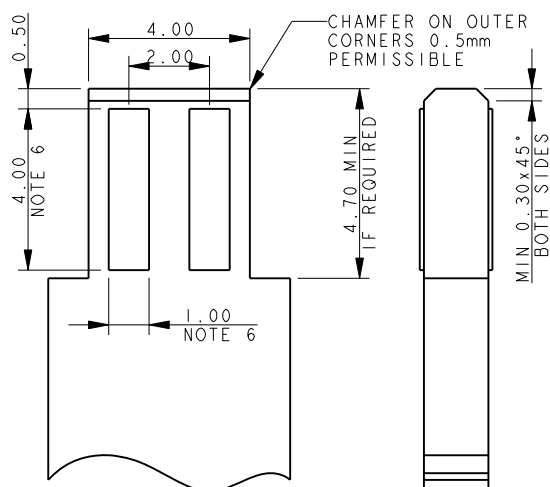


NOTES:

1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

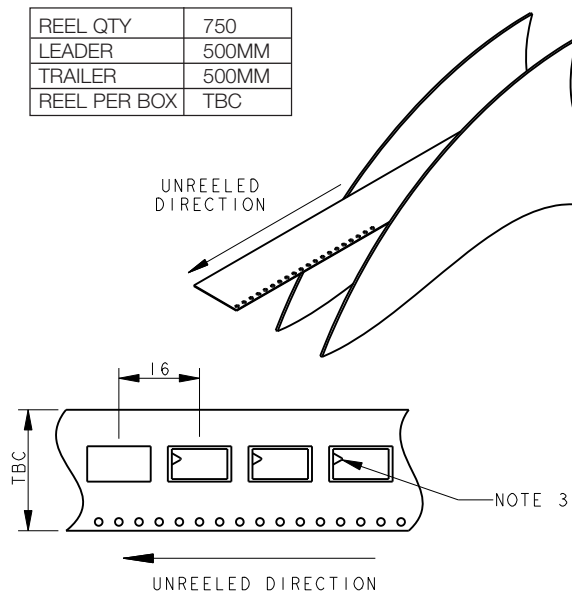
2 WAY PCB BOARD LAYOUT

THICKNESS 1.60 ± 0.15



PACKING DETAILS

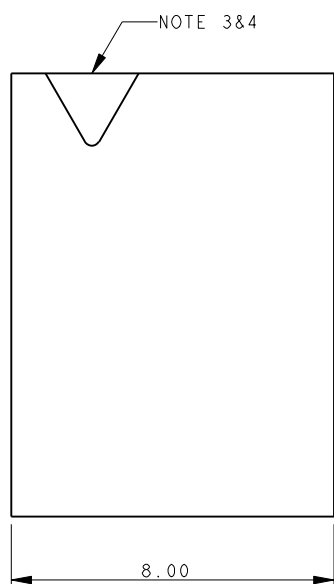
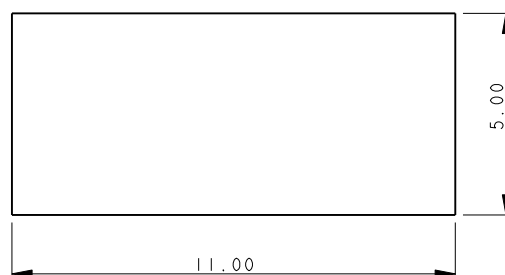
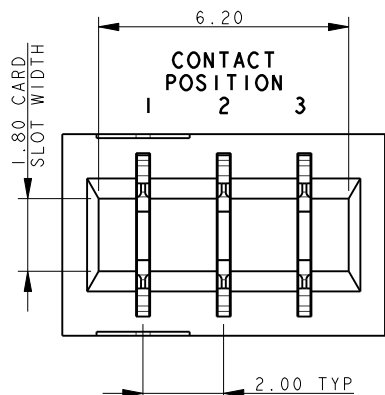
REEL QTY	750
LEADER	500MM
TRAILER	500MM
REEL PER BOX	TBC



Standard Card Edge: BTB

00-9159

3 WAY SINGLE PART PCB STRIP CONNECTOR

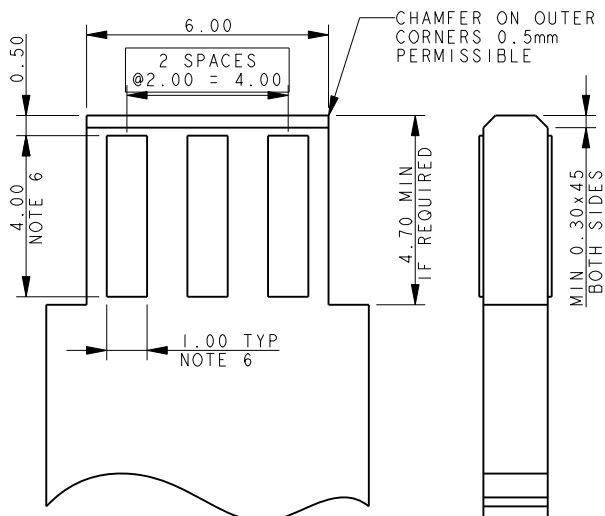


NOTES:

1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

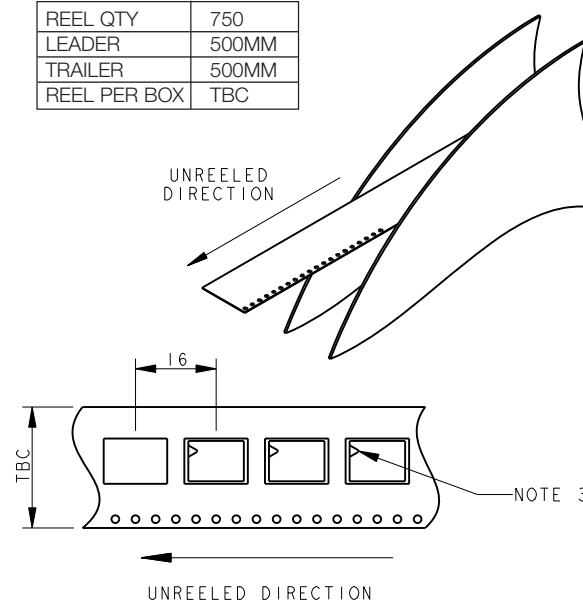
3 WAY PCB BOARD LAYOUT

THICKNESS 1.60 ± 0.15



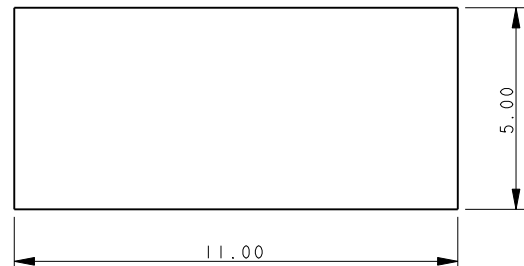
PACKING DETAILS

REEL QTY	750
LEADER	500MM
TRAILER	500MM
REEL PER BOX	TBC

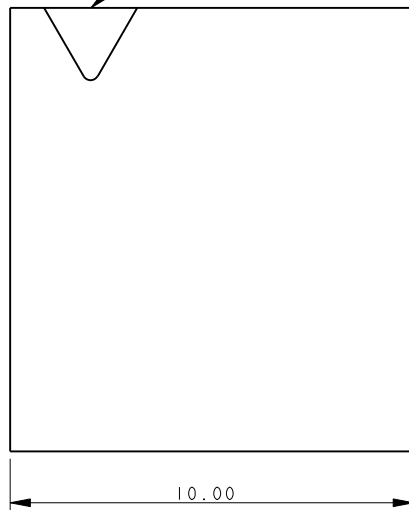


00-9159

Diagram illustrating the dimensions and contact positions for a 4-pin connector. The overall width is 10.00. The slot width is 1.80. The contact positions are labeled 1, 2, 3, and 4. The distance between the centers of the contacts is 2.00 TYP.

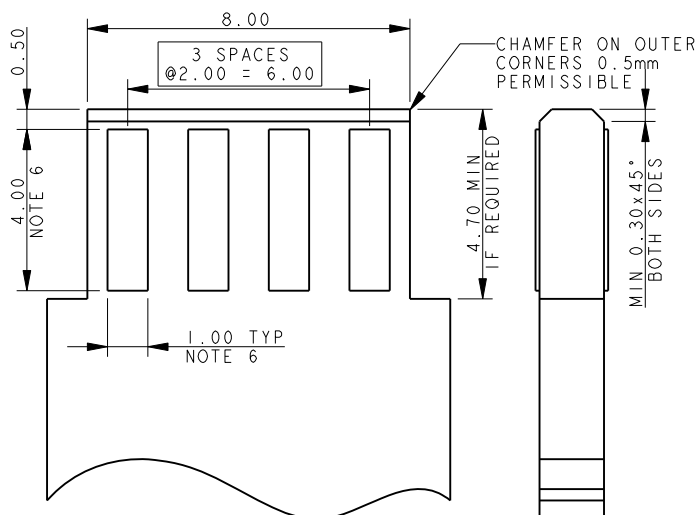


—NOTE 3&4

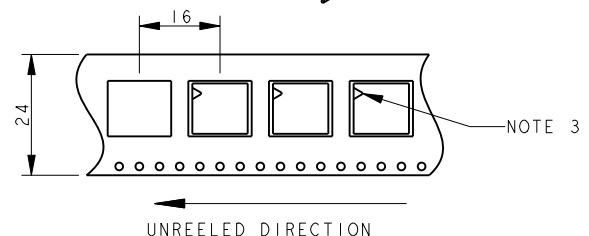
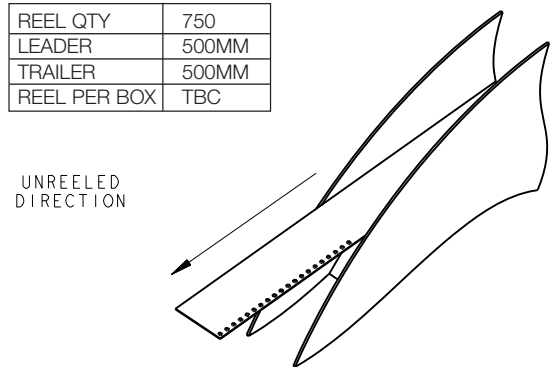


1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

THICKNESS 1.60 ± 0.15



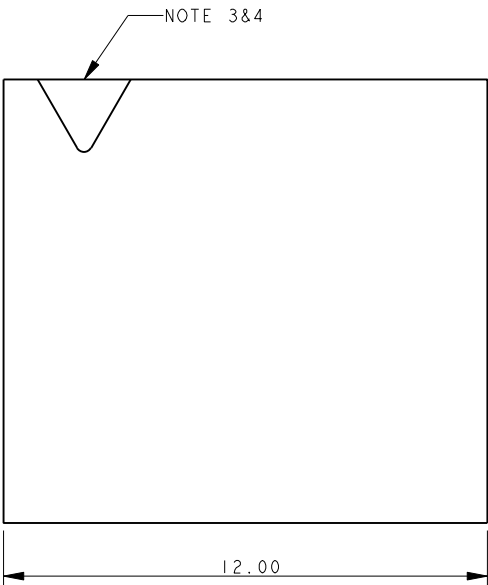
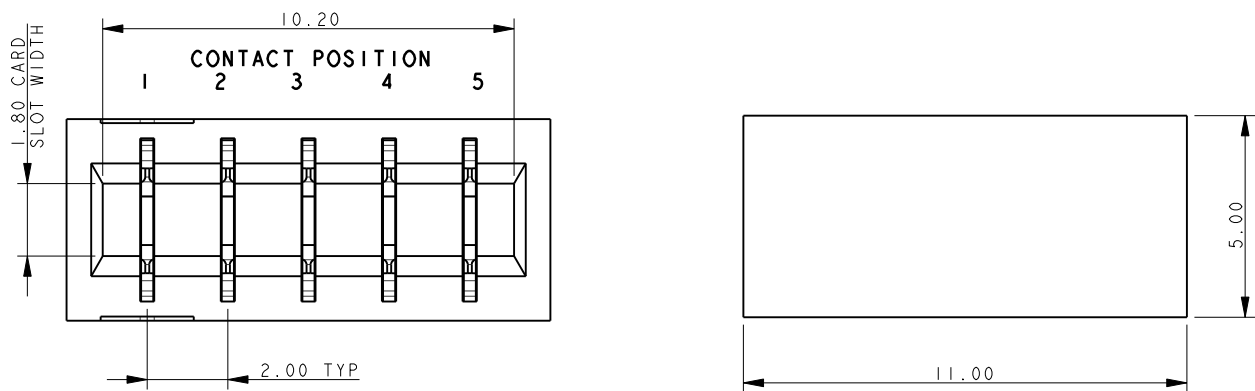
REEL QTY	750
LEADER	500MM
TRAILER	500MM
REEL PER BOX	TBC



Standard Card Edge: BTB

00-9159

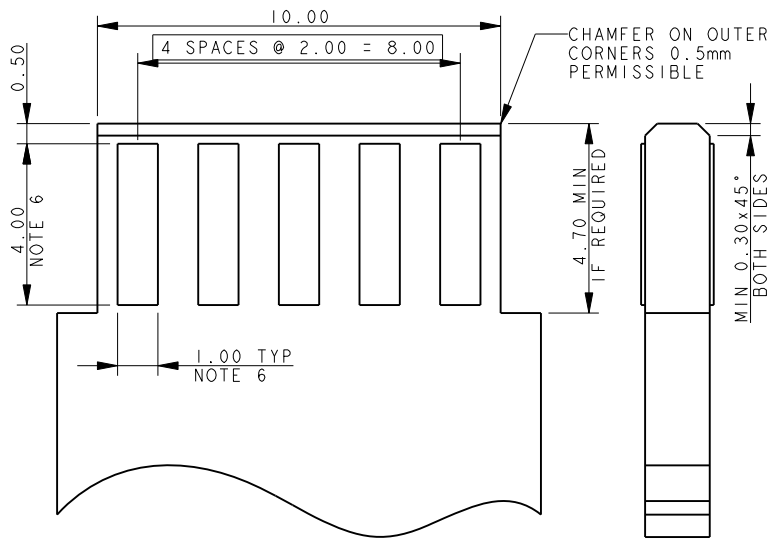
5 WAY SINGLE PART PCB STRIP CONNECTOR



- NOTES:
- FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
 - DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
 - ARROW TO INDICATE CONTACT POSITION 1.
 - INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
 - CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
 - PCB PAD, TIN PLATED.

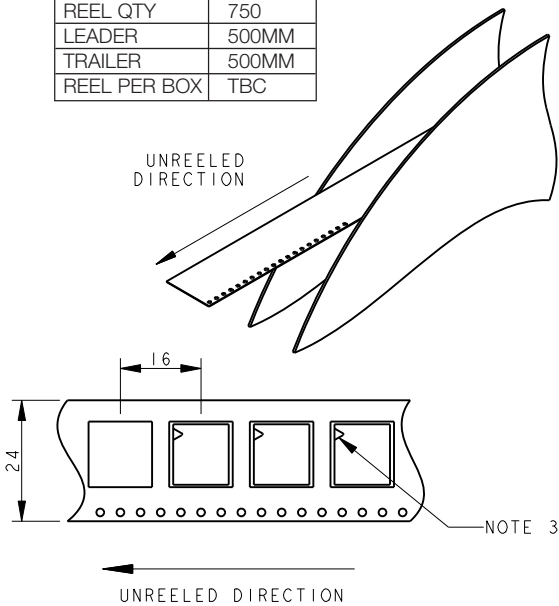
5 WAY PCB BOARD LAYOUT

THICKNESS 1.60 ± 0.15



PACKING DETAILS

REEL QTY	750
LEADER	500MM
TRAILER	500MM
REEL PER BOX	TBC



Mouser Electronics

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[009159002001911](#)