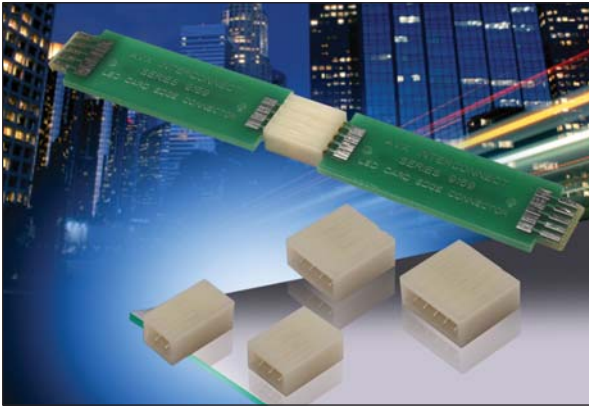


# One Piece Card Edge

## Series 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  $1.6 \pm 0.15$ mm 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: 250 VAC


### ENVIRONMENTAL

- Operating Temperature:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

### MECHANICAL

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

### HOW TO ORDER

<b>00</b>	<b>9159</b>	<b>XXX</b>	<b>0</b>	<b>01</b>	<b>9</b>	<b>1</b>	<b>6</b>																
Prefix	Series	Number of Ways	Single Part PCB Strip Connector	PCB Thickness	Color Options	Packaging Options	Plating Option																
		<table border="1" style="font-size: small;"> <thead> <tr> <th>Code</th> <th>No of Ways</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>002</td> <td>2</td> <td>Page 2</td> </tr> <tr> <td>003</td> <td>3</td> <td>Page 3</td> </tr> <tr> <td>004</td> <td>4</td> <td>Page 4</td> </tr> <tr> <td>005</td> <td>5</td> <td>Page 5</td> </tr> </tbody> </table>	Code	No of Ways	Details	002	2		Page 2	003	3	Page 3	004	4	Page 4	005	5	Page 5		01 = $1.60 \pm 0.15$	9 = UL 1 = White	1 = bag 0 = Tape & Reel	06 = Pure Tin all over
Code	No of Ways	Details																					
002	2	Page 2																					
003	3	Page 3																					
004	4	Page 4																					
005	5	Page 5																					

Certification: UL File #E90723

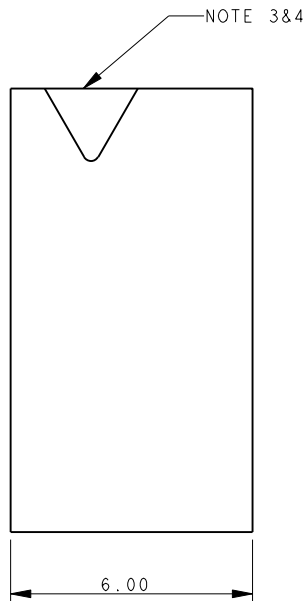
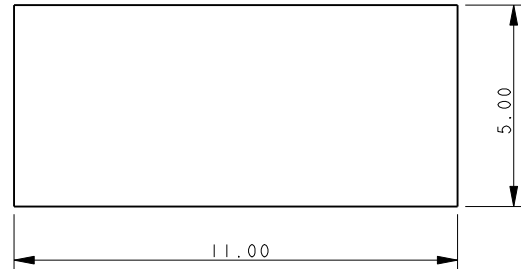
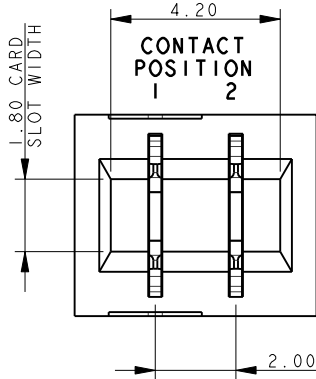


# One Piece Card Edge

Series 00-9159



## 2 WAY SINGLE PART PCB STRIP CONNECTOR

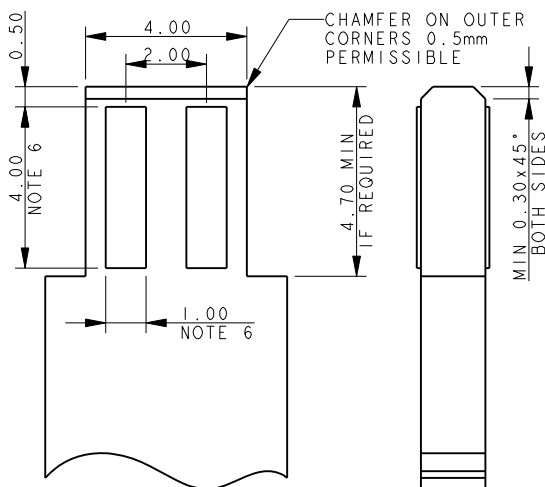


**NOTES:**

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.
6. PCB PAD, TIN PLATED.

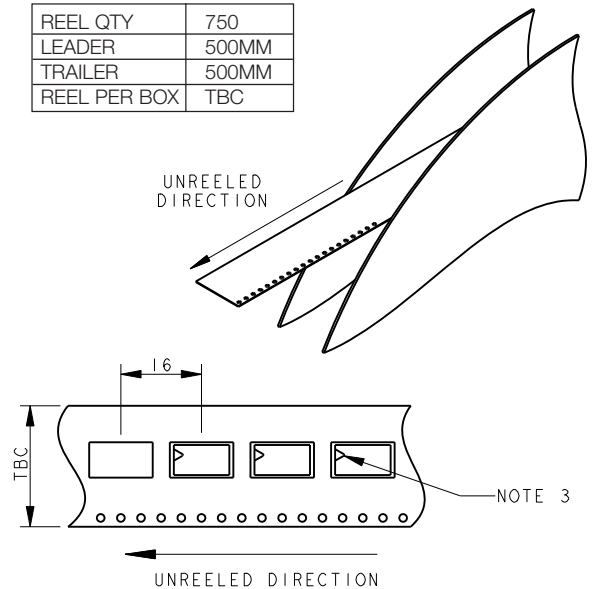
## 2 WAY PCB BOARD LAYOUT

THICKNESS 1.60 ± 0.15



## PACKING DETAILS

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

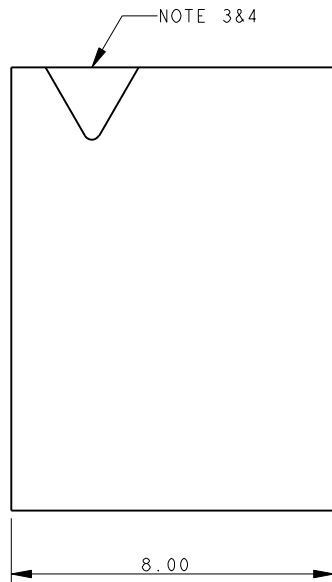
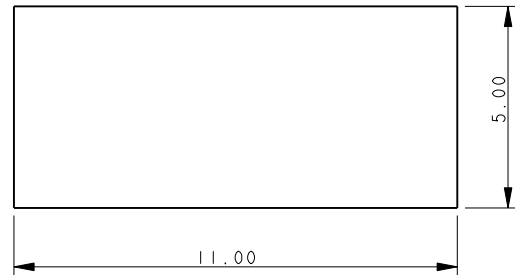
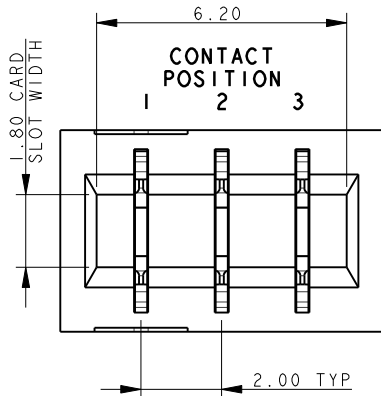


# One Piece Card Edge

Series 00-9159



## 3 WAY SINGLE PART PCB STRIP CONNECTOR

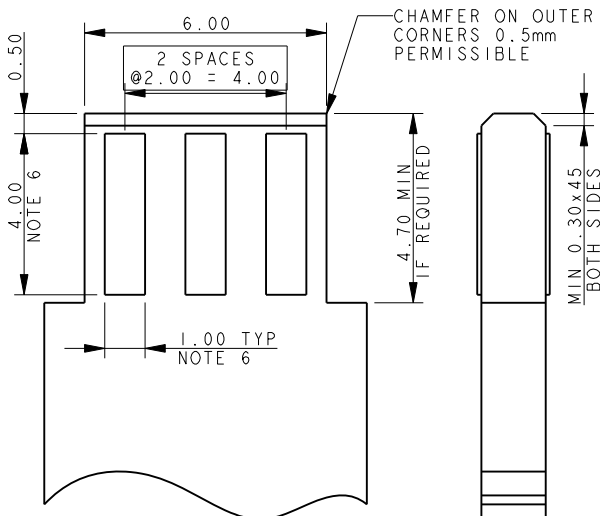


**NOTES:**

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.
6. PCB PAD, TIN PLATED.

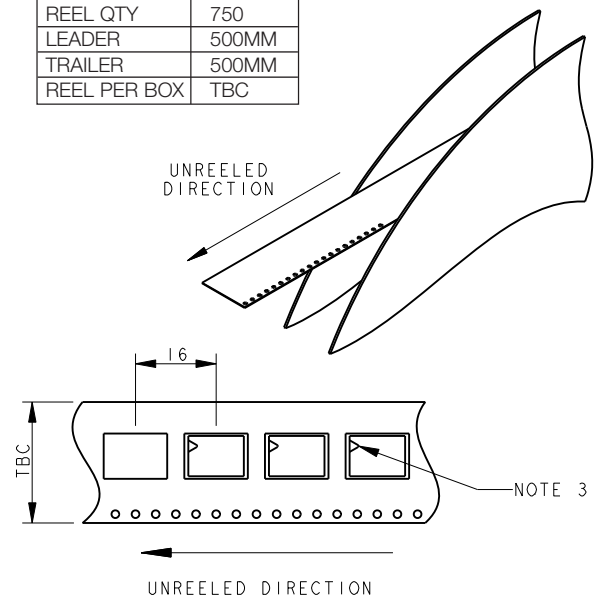
## 3 WAY PCB BOARD LAYOUT

THICKNESS  $1.60 \pm 0.15$



## PACKING DETAILS

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

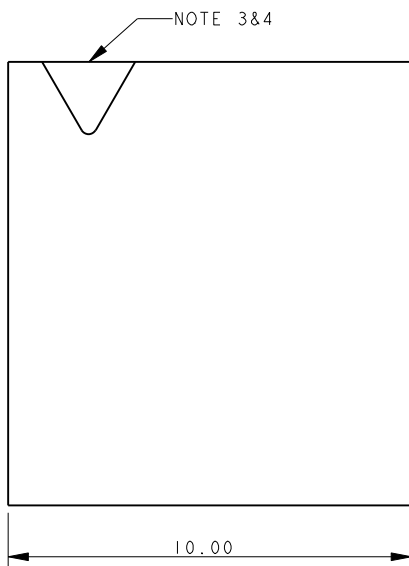
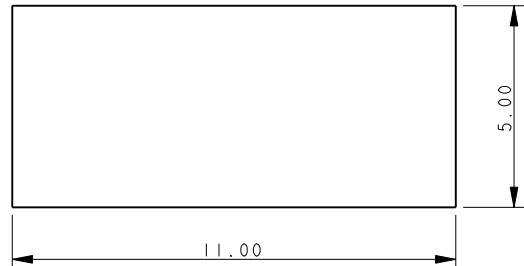
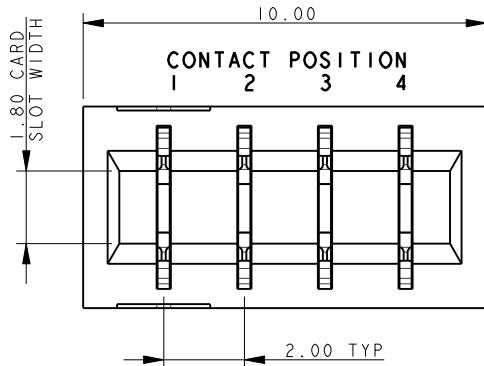


# One Piece Card Edge

Series 00-9159



## 4 WAY SINGLE PART PCB STRIP CONNECTOR

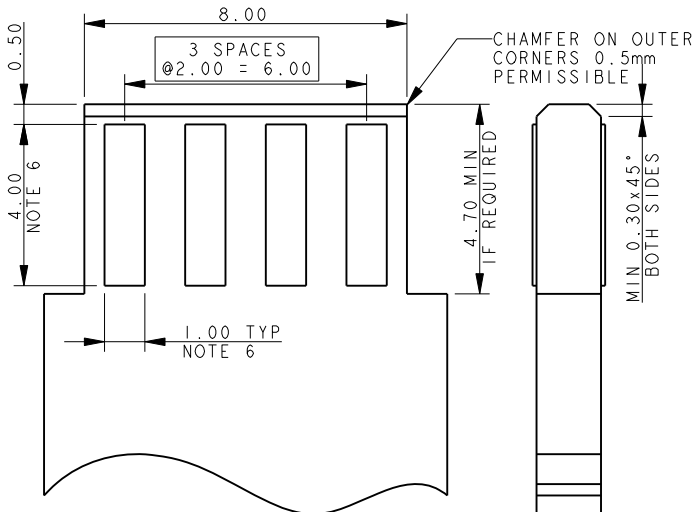


### NOTES:

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.
6. PCB PAD, TIN PLATED.

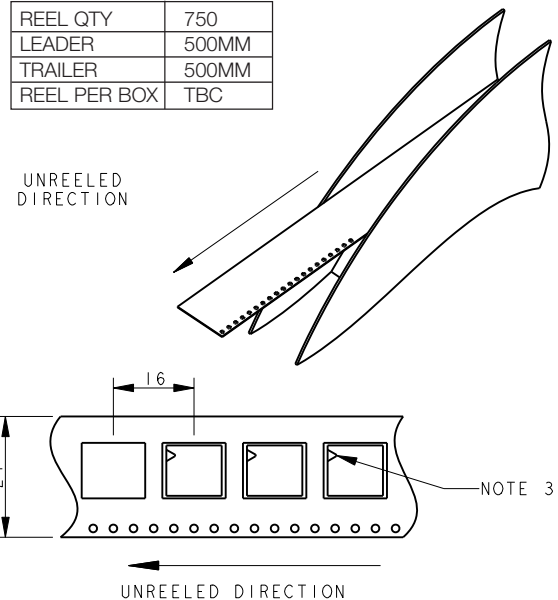
## 4 WAY PCB BOARD LAYOUT

THICKNESS  $1.60 \pm 0.15$



## PACKING DETAILS

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

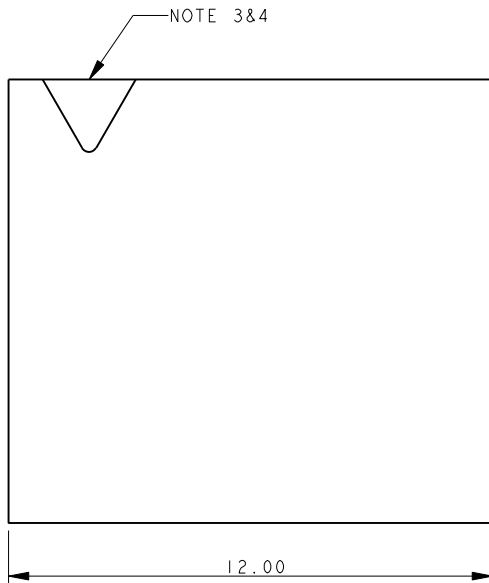
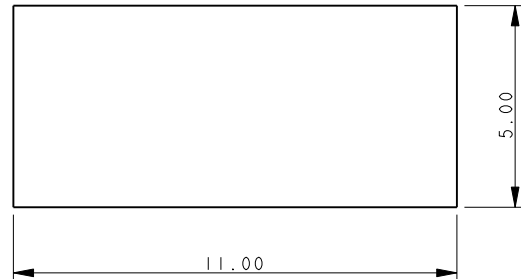
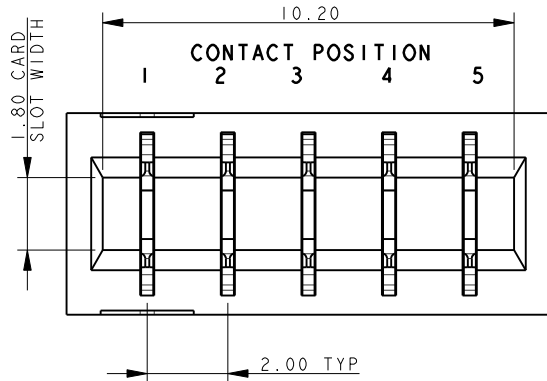


# One Piece Card Edge



Series 00-9159

## 5 WAY SINGLE PART PCB STRIP CONNECTOR

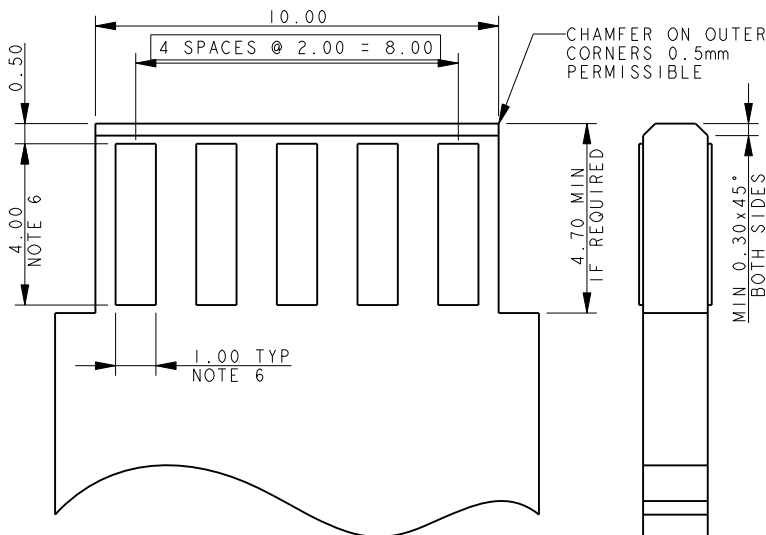


**NOTES:**

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.
6. 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

