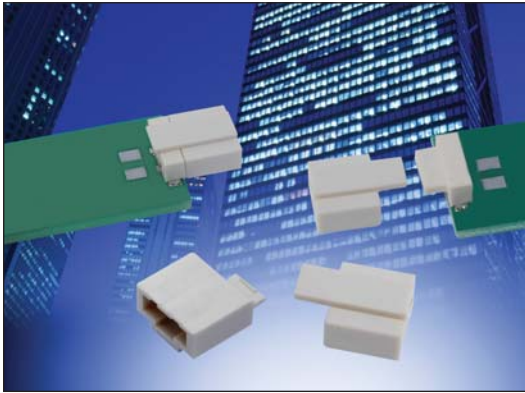# SSL – Shorting Socket

Series 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 with a 5 Amp current rating in the smallest package available. The 2 position shorting socket was designed to plug onto the last PCB in the lighting strip to short the two contacts together, closing the electrical loop. Just as the cabled plug brings power and signals onto the light strip, the shorting socket completes the circuit while maintaining a single board design.

Additional components in the 9159 product family include:
- SSL - Horizontal Plug; Standard 2-Piece solution (10-9159)
- SSL - Cabled Plug; Supports wire-to-board applications (11-9159)
- SSL - Horizontal Socket; Standard 2-Piece solution (20-9159)
- SSL - Top Load Socket; ZIF style for field reparability (22-9159)
- SSL - Retaining Clip; Latches BTB connectors together (80-9159)

APPLICATIONS

- Coplanar PCB mating in SSL products
- LED linear lighting strips
- Application Notes; refer to 201-01-123

FEATURES AND BENEFITS

- Mates to the standard plug connector; does not require a new connector
- Integral latching mechanism; Provides positive attachment to the plug
- Gold plated BeCu spring contacts; reliability for harsh environments
- Available in white; supports SSL market preferences

ELECTRICAL

- Current Rating: 5 Amps / Contact
- Voltage Rating: 125 VAC

ENVIRONMENTAL

- Operating Temperature: -40ºC to +125ºC

MECHANICAL

- Insulator Material: Nylon: VL94VO
- Contact Material: BeCu / Phos Bronze
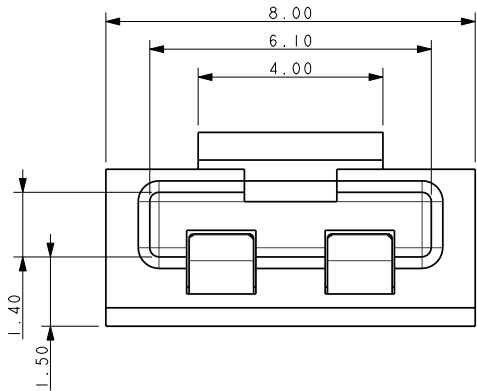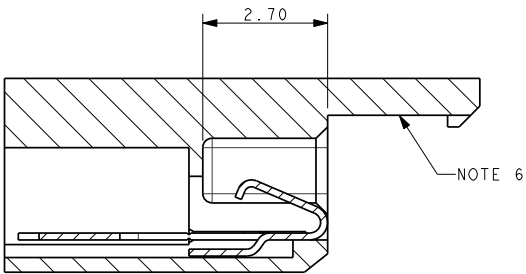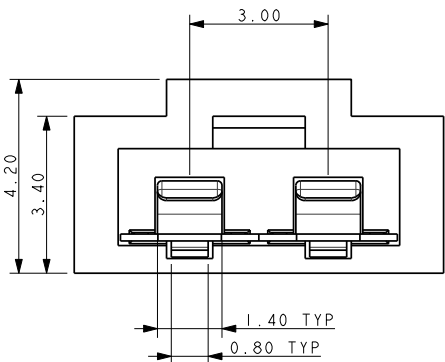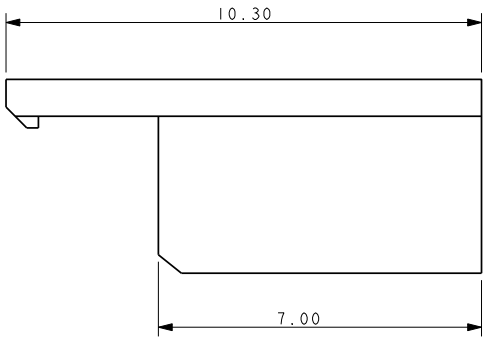- Plating: Gold / Tin over Nickel
- Durability: 10 Cycles

HOW TO ORDER

58 9159 002 000 006

10.30

7.00

3.00

4.20

3.40

1.40 TYP

0.80 TYP

2.70

NOTE 6

8.00

6.10

4.00

1.40

1.50

PACKING DETAILS

UNREEL DIRECTION

16.00

24.00

UNREEL DIRECTION