



# 8500 Series Ribbon Connectors Plug and Receptacle Right Angle

## Specifications

Insulator Material: Glass filled polyester, Thermoplastic, 94-VO, UL Recognized.  
 Contact Material: Phosphor Bronze Alloy CA510  
 Contact Plating: Gold over 50µ" Nickel, and tin-lead (See part numbering for thicknesses).  
 Contact Resistance: 20m ohms max. at 1 AMP DC.  
 Insulation Resistance: 1000M ohms at 500 V DC.  
 Dielectric Withstand Voltage: 1000 V AC/rms 60Hz for 1 min.  
 Current Rating: 3 AMP.  
 Voltage Rating: 250 V AC/rms at 60Hz.  
 Shell Plating: Steel, 100µ" Tin over 50µ" min. Nickel.

## Features

- Available in selective gold plate at contact point
- Many other custom options available, consult factory



Recognized under the recognized component Program of Underwriters Laboratories, Inc.

## PART NUMBERING



### SERIES CODE

.085 X .160 Centers

### NO. CONTACT PAIRS

07, 12, 18, 25

### CONNECTOR STYLE

P = Plug  
R = Receptacle

### TAIL STYLE

5 = Right Angle

### MOUNTING STYLE

- CONNECTOR - BOARD  
 1 = #4-40 Screw - #4-40 UNC  
 2 = Bail Latch - Board Lock  
 3 = #4-40 Screw - Board Lock  
 4 = #4-40 UNC - Board Lock

Consult Factory for other Mounting Styles

### ORIENTATION

- 1 = Reverse  
BLANK = Standard

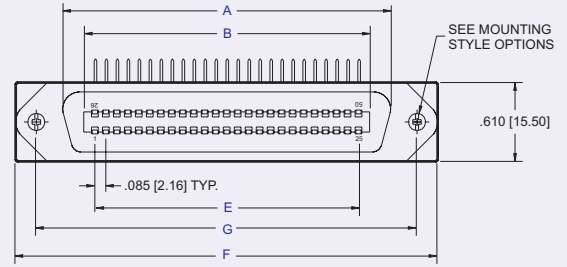
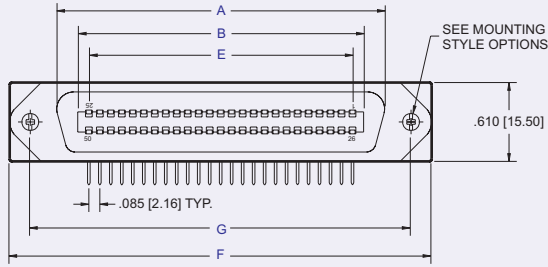
### PLATING

50µ" Nickel Underplate

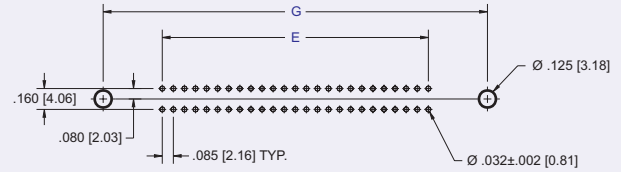
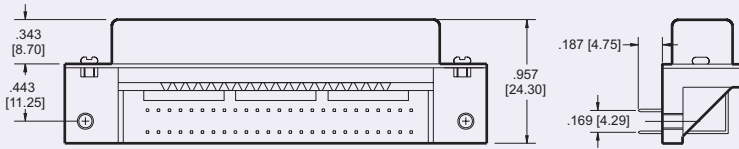
| Mating Area    | Tail           |
|----------------|----------------|
| 05 = Flash Au  | 100µ" Tin Lead |
| 20 = 15µ" Gold | 100µ" Tin Lead |
| 30 = 30µ" Gold | 100µ" Tin Lead |

| CONTACTS | A             | B             | C             | D             | E             | F             | G             |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 14       | 1.004 [25.50] | 0.679 [17.24] | 0.988 [25.10] | 0.697 [17.70] | 0.510 [12.96] | 1.732 [44.00] | 1.417 [36.00] |
| 24       | 1.421 [36.10] | 1.102 [27.98] | 1.409 [35.80] | 1.131 [28.74] | 0.935 [23.76] | 2.156 [54.76] | 1.843 [46.80] |
| 36       | 1.936 [49.18] | 1.609 [40.88] | 1.925 [48.90] | 1.638 [41.60] | 1.446 [36.72] | 2.670 [67.82] | 2.350 [59.70] |
| 50       | 2.537 [64.45] | 2.209 [56.10] | 2.522 [64.06] | 2.232 [56.70] | 2.041 [51.84] | 3.265 [82.92] | 2.949 [74.90] |

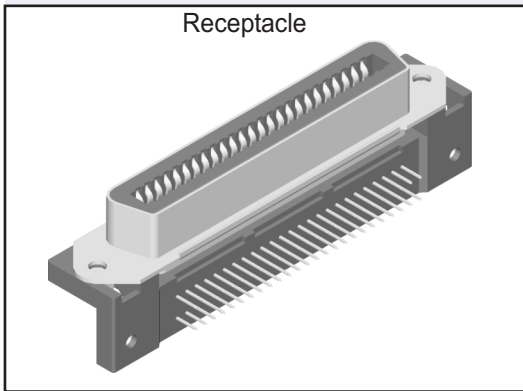
DIMENSIONS ARE IN INCHES & [MM]



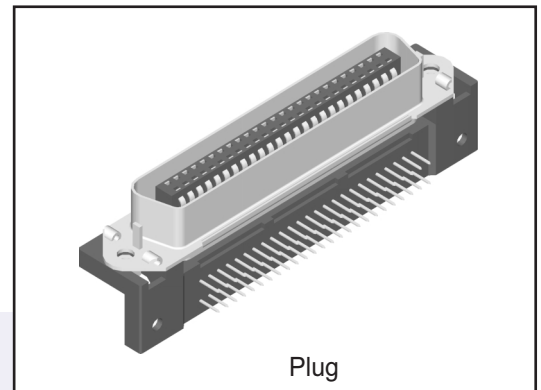
REVERSE ORIENTATION



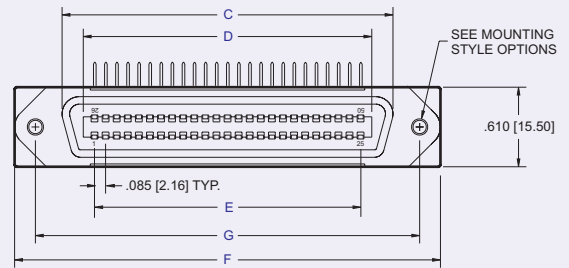
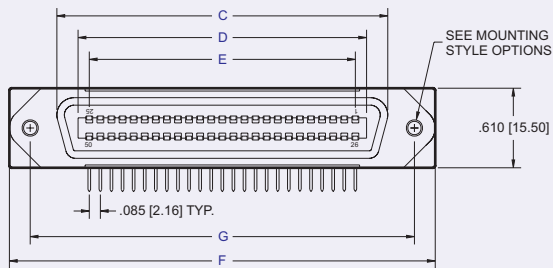
PCB LAYOUT



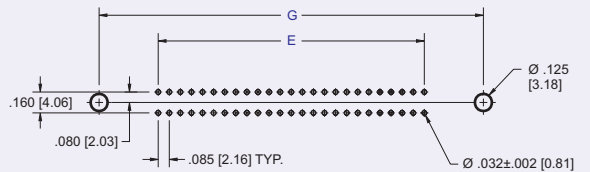
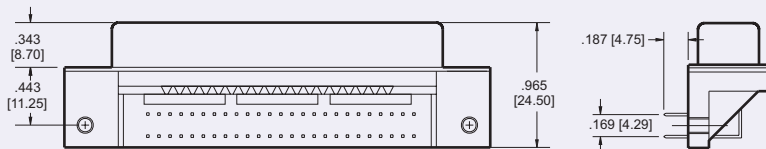
Receptacle



Plug



REVERSE ORIENTATION



PCB LAYOUT

Dimensions are in inches [mm]