



# 4300 Series Card Edge Connector

## .150" X .200" Contact Spacing, Press Fit

### Specifications

Insulator Material: Glass filled polyester, type PBT, 94 V-O, UL Rated.

Contact Material: Phosphor Bronze Alloy

Contact Plating: Gold and/or Tin over .000050" Nickel, (See Contact Plating Options).

Current Rating: 5 amp at 30°C

Contact Resistance:

- Contact to Daughter Card: 10 m Ω max.
- Compliant section to P.T.H.: 2 m Ω max.

Insulation Resistance: 5000 M Ω min.

Dielectric Withstand Voltage: 1800 V AC

Daughter Board Insertion Force: 16 oz max. per contact pair when tested with a .071" thick gage.

Daughter Board Withdrawal Force: 1 oz min. per contact pair when tested with a .054" thick gage.

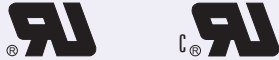
Compliant Section Insertion Force: 40 lbs max per contact

Compliant Section Withdrawal Force: 10 lbs min. per contact

Recommended Board Thickness: .093"+

Recommended PCB Layout Page A-33

Operating Temperature: -54°C to +125°C

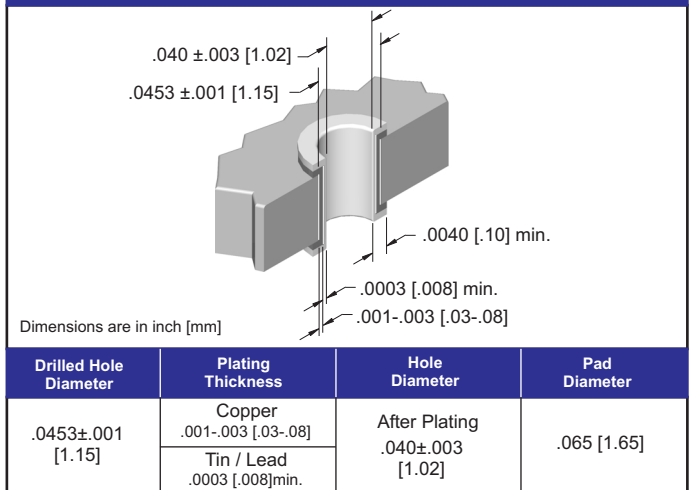


Recognized under the recognized component Program of Underwriters Laboratories, Inc.  
File Numbers: E146967 and E176234

### Features

- Flat Plate Installation eliminates the need for secondary operation tooling which can damage the connector.
- Extra large chamfered entry
- Conforms to Bell-core spec TR-TSY-00078
- Extended card scoops available
- Replaceable contacts
- Molded in polarization available between contact, or on contact position.
- De-population of contacts per customer specification.
- Available in selective gold plate at contact point
- Many other custom options available, including, but not limited to:
  - Single or Both Ends Open
  - Shorting Contacts

### Recommended Hole Size

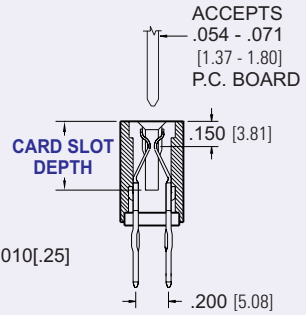
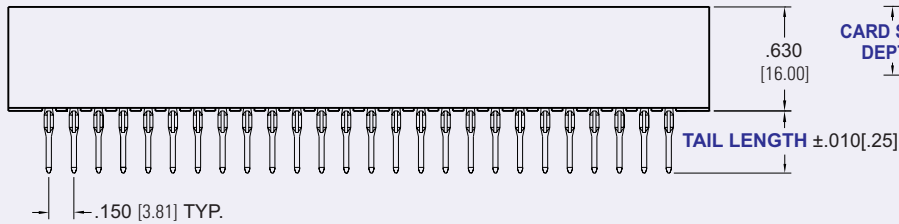
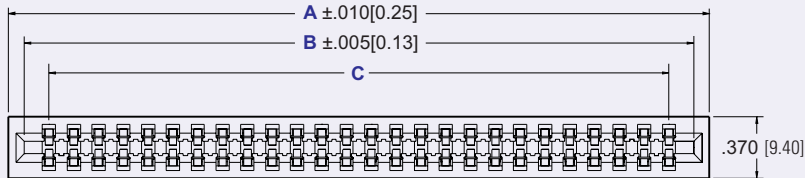
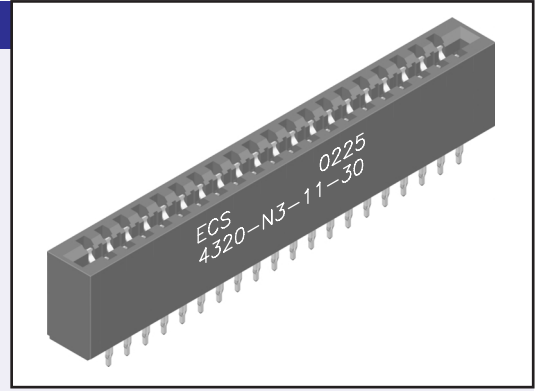


| NO. OF POS./CONTACTS | A              | B              | C              |
|----------------------|----------------|----------------|----------------|
| 06/12                | 1.186 [30.12]  | 1.050 [26.67]  | 0.750 [19.05]  |
| 10/20                | 1.786 [45.36]  | 1.650 [41.91]  | 1.350 [46.29]  |
| 12/24                | 2.086 [52.98]  | 1.950 [49.53]  | 1.650 [41.91]  |
| 15/30                | 2.536 [64.41]  | 2.300 [58.42]  | 2.100 [53.34]  |
| 18/36                | 2.986 [75.84]  | 2.850 [72.39]  | 2.550 [64.77]  |
| 20/40                | 3.286 [83.41]  | 3.150 [80.01]  | 2.850 [72.39]  |
| 22/44                | 3.586 [91.08]  | 3.450 [86.63]  | 3.150 [80.01]  |
| 25/50                | 4.036 [102.51] | 3.900 [99.06]  | 3.600 [91.44]  |
| 28/56                | 4.486 [113.94] | 4.350 [110.49] | 4.050 [102.87] |
| 30/60                | 4.786 [121.56] | 4.650 [118.11] | 4.350 [110.49] |
| 31/62                | 4.936 [125.37] | 4.800 [121.92] | 4.500 [114.30] |
| 35/70                | 5.536 [140.61] | 5.400 [137.16] | 5.100 [129.54] |
| 36/72                | 5.686 [144.42] | 5.550 [140.97] | 5.250 [133.35] |
| 40/80                | 6.286 [159.66] | 6.150 [156.21] | 5.850 [148.59] |
| 43/86                | 6.736 [171.09] | 6.600 [167.64] | 6.300 [160.02] |

For reference only, can go 1 through 43 positions.

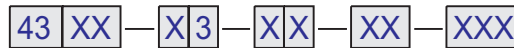
Dimensions are in inch [mm]

**.150 x .200" Contact Spacing, Press Fit**



Dimensions are in inch [mm]

**PART NUMBERING**



**SERIES CODE**  
 .150" X .200" Contact Spacing

**NO. CONTACT PAIRS**  
 01 - 43

**SCOOPS**  
 S = With  
 N = Without

**CUSTOM VARIATION**  
 CONSULT FACTORY

**TAIL LENGTH**

|                  |                  |
|------------------|------------------|
| .025 [.064] SQ.  | .031 [.079] SQ.  |
| 1 = .190 [4.83]  | A = .190 [4.83]  |
| 2 = .295 [7.49]  | B = .295 [7.49]  |
| 3 = .385 [9.78]  | C = .385 [9.78]  |
| 4 = .545 [13.84] | D = .545 [13.84] |
| 5 = .595 [15.11] | E = .595 [15.11] |

**CARD SLOT DEPTH**

|                  |
|------------------|
| 1 = .415 [10.54] |
| 2 = .350 [8.89]  |
| 3 = .300 [7.62]  |

**PLATING**  
 50 $\mu$ " Nickel Underplate

|                    |                |
|--------------------|----------------|
| <b>CONTACT</b>     | <b>TAIL</b>    |
| 10 = 10 $\mu$ " Au | 100 $\mu$ " Sn |
| 20 = 15 $\mu$ " Au | 100 $\mu$ " Sn |
| 30 = 30 $\mu$ " Au | 100 $\mu$ " Sn |
| 40 = 10 $\mu$ " Au | 5 $\mu$ " Au   |
| 50 = 15 $\mu$ " Au | 5 $\mu$ " Au   |
| 60 = 30 $\mu$ " Au | 5 $\mu$ " Au   |

CONSULT FACTORY FOR CONNECTORS BUILT TO YOUR SPECIFICATION