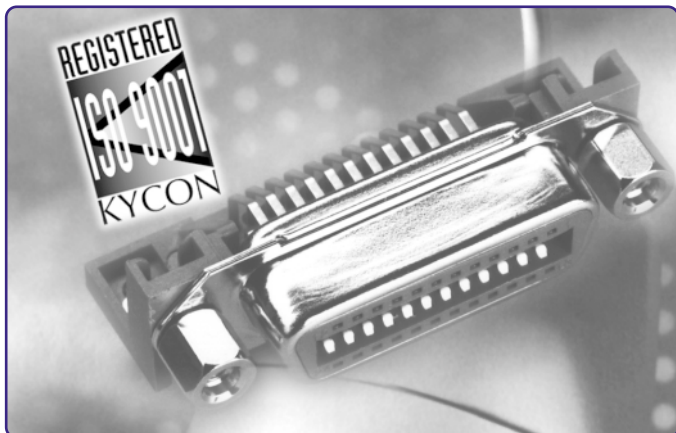




## 37 Series Miniature Ribbon Connectors

### Features



- Applications Include Computer Peripherals, Data Processing, Telecommunications and Industrial Controls
- UL Recognized Material 
- Design Meets the Requirements of IEEE-488 and SCSI Applications
- Plug and Socket Available in 14, 24, 36, and 50 Positions
- Bright Nickel Plated Shells for EMI/RFI Shielding
- D Shaped Connector Mating and Polarization
- CSA/NRTL Certified File No. LR78160

### Performance Specifications

#### Materials and Finish

##### Shell

Steel Material, Nickel Finish

##### Insert

PBT Thermoplastic, Blue, 30% Glass Filled, Self-Extinguishing, 94V-0 Rated

##### Contact Material

Phosphor Bronze

##### Contact Finish

Gold Flash Over 0.0001 (0.00254) Nickel

## MINIATURE RIBBON CONNECTORS

### 37 Series

### Mechanical Characteristics

#### Insertion and Withdrawal Force

| Number of Contacts | Insertion Force (kg) | Withdrawal Force (kg) |
|--------------------|----------------------|-----------------------|
| 14                 | 1.4                  | 1.0                   |
| 24                 | 2.7                  | 1.9                   |
| 36                 | 3.7                  | 2.0                   |
| 50                 | 4.6                  | 4.3                   |

#### Durability

Subjected to 500 Cycles of Insertions and Withdrawals, After Test, Connectors Meet the Maximum Contact Resistance Specifications

### Electrical Characteristics

#### Contact Current Rating

5 Amps

#### Contact Resistance

Voltage Drop, at DC 5 Amps Current, Shall be 8.5 Millivolts Max

#### Dielectric Withstanding Voltage

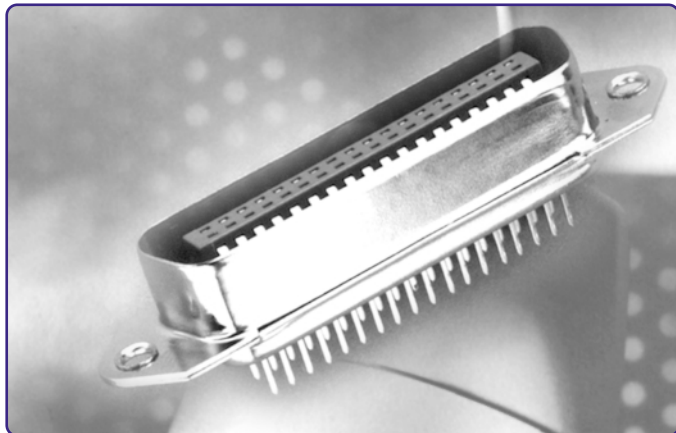
1200 V AC Min

#### Insulation Resistance

1000 Megohms Min

#### Temperature Rating

-55°C to + 105°C



## Vertical PCB Mount Miniature Ribbon Connectors

### Ordering Information

| Receptacles Without Spring Latch |             |
|----------------------------------|-------------|
| Contacts                         | Part Number |
| 14                               | 37-20140-11 |
| 24                               | 37-20240-23 |
| 36                               | 37-20360-19 |
| 50                               | 37-20500-85 |

| Receptacles With Spring Latch (Installed Separately) |             |
|------------------------------------------------------|-------------|
| Contacts                                             | Part Number |
| 14                                                   | 37-40140-13 |
| 24                                                   | 37-40240-14 |
| 36                                                   | 37-40360-24 |
| 50                                                   | 37-40500-24 |

| Plugs    |             |
|----------|-------------|
| Contacts | Part Number |
| 14       | 37-10140-10 |
| 24       | 37-10240-12 |
| 36       | 37-10360-25 |
| 50       | 37-10500-73 |

### Mounting Options

| Designator* | Description                                                           |
|-------------|-----------------------------------------------------------------------|
| - K         | 4-40 Threaded Bushings                                                |
| - KJM       | 4-40 Threaded Bushings and IEEE Standard Metric Jack Screws Installed |

### Color Option\*

|                                              |
|----------------------------------------------|
| Standard: Blue Color                         |
| BLK: Black Color (minimum order requirement) |

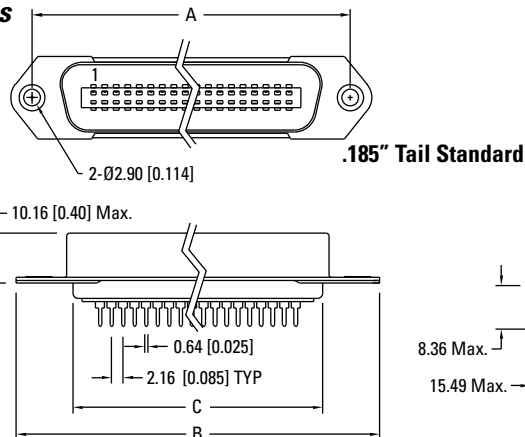
## MINIATURE RIBBON CONNECTORS

### 37 Series

### Dimensions

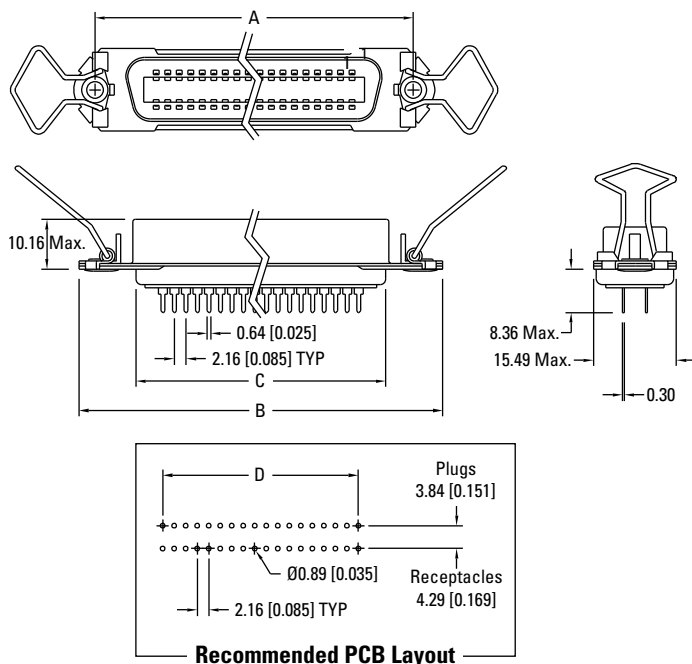
Dimensions in mm [In]

#### Plugs



#### Receptacles

Pictured with Spring Latch



|          | 14 Contacts |        | 24 Contacts |        |
|----------|-------------|--------|-------------|--------|
|          | In          | mm     | In          | mm     |
| <b>A</b> | 1.417       | 35.991 | 1.842       | 46.787 |
| <b>B</b> | 1.750       | 44.450 | 2.175       | 55.245 |
| <b>C</b> | .910        | 23.114 | 1.335       | 33.909 |

|          | 36 Contacts |        | 50 Contacts |        |
|----------|-------------|--------|-------------|--------|
|          | In          | mm     | In          | mm     |
| <b>A</b> | 2.352       | 59.741 | 2.947       | 74.854 |
| <b>B</b> | 2.685       | 68.199 | 3.280       | 83.312 |
| <b>C</b> | 1.845       | 46.863 | 2.440       | 61.976 |

\* Add to end of part number

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kycon:](#)

[37-92240-24-XJM](#) [37-91240-12-XJM](#) [37-92360-12](#) [37-91360-24](#) [37-92360-24](#) [37-92240-12-XJM](#) [37-91240-24-XJM](#)  
[37-92360-24-XJ](#) [37-91240-24-XJ](#) [37-92500-12-XJ](#) [37-91240-24-X](#) [37-92240-24](#) [37-91240-24](#) [37-92500-12-X](#) [37-](#)  
[92360-12-X](#) [37-92240-12-X](#) [37-91500-12-XJ](#) [37-92360-24-X](#) [37-92500-24-X](#) [37-92240-12](#) [37-91240-12](#) [37-92360-](#)  
[12-XJ](#) [37-91360-24-XJ](#) [37-91500-24](#) [37-92500-24](#) [37-91500-12](#) [37-92500-12](#) [37-92240-12-XJ](#) [37-92500-24-XJ](#)