


## 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

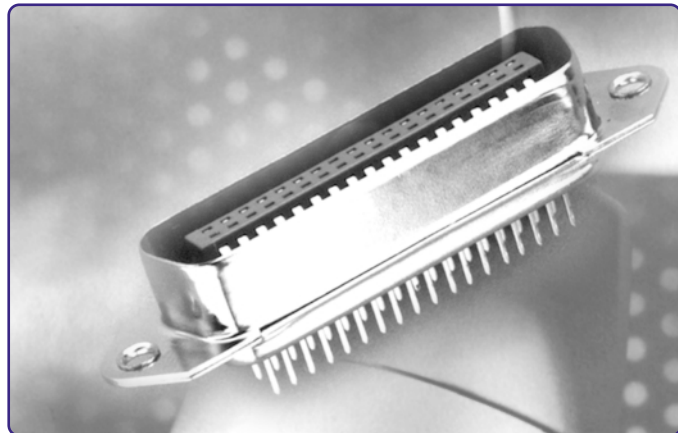
1200 V AC Min

##### 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)

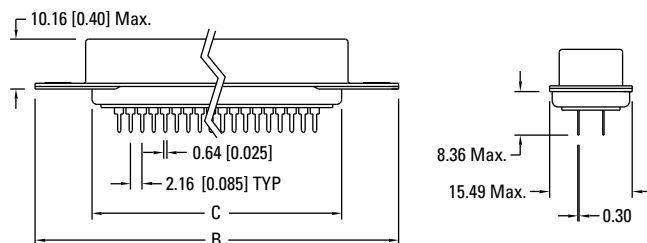
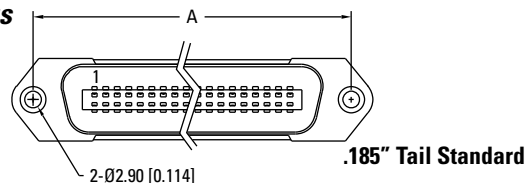
# MINIATURE RIBBON CONNECTORS

## 37 Series

### Dimensions

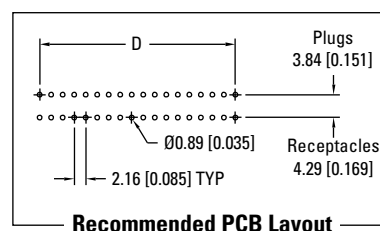
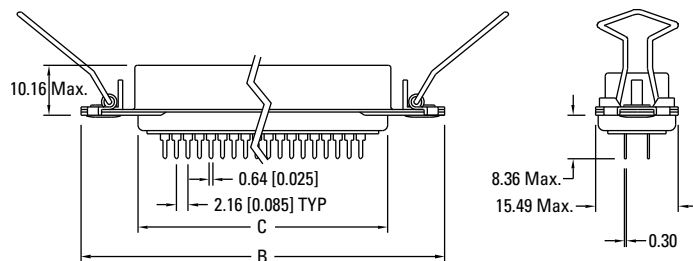
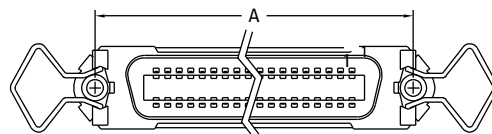
Dimensions in mm [In]

#### 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

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