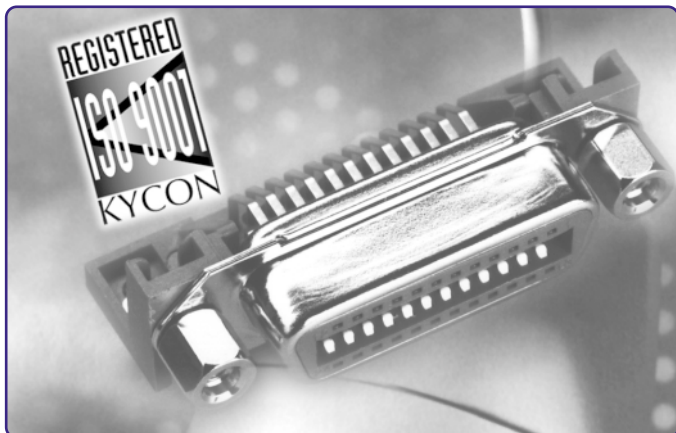




37 Series Miniature Ribbon Connectors

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

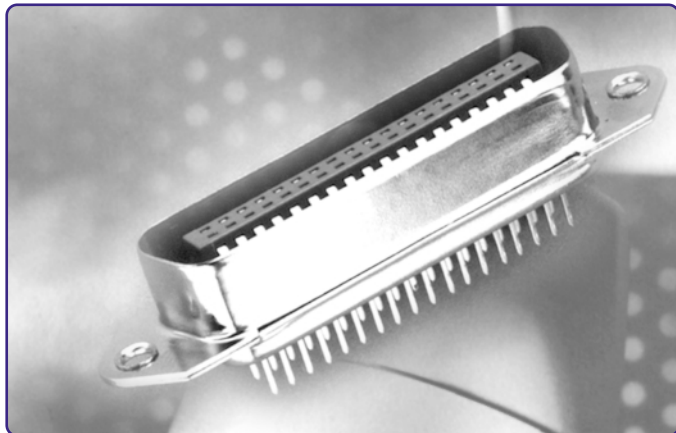
1200 V AC Min

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)

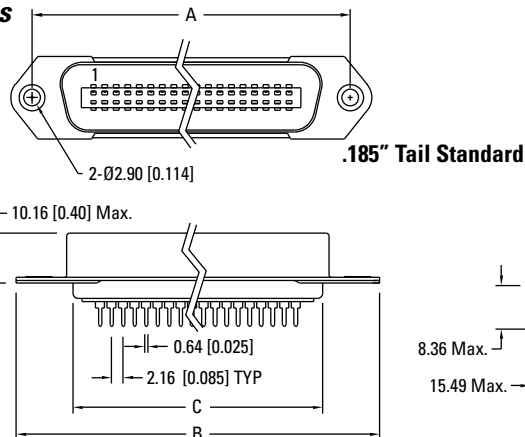
MINIATURE RIBBON CONNECTORS

37 Series

Dimensions

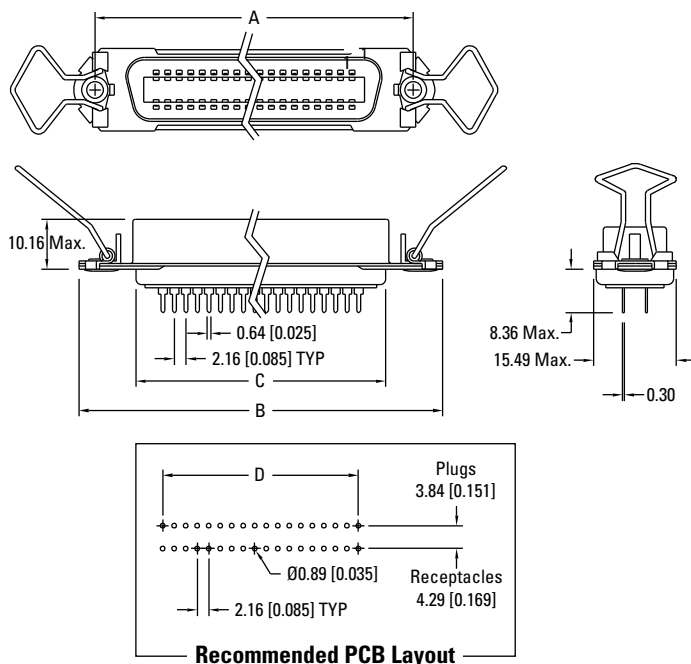
Dimensions in mm [In]

Plugs



Receptacles

Pictured with Spring Latch



	14 Contacts		24 Contacts	
	In	mm	In	mm
A	1.417	35.991	1.842	46.787
B	1.750	44.450	2.175	55.245
C	.910	23.114	1.335	33.909

	36 Contacts		50 Contacts	
	In	mm	In	mm
A	2.352	59.741	2.947	74.854
B	2.685	68.199	3.280	83.312
C	1.845	46.863	2.440	61.976

* Add to end of part number

Mouser Electronics

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[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](#)