


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

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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

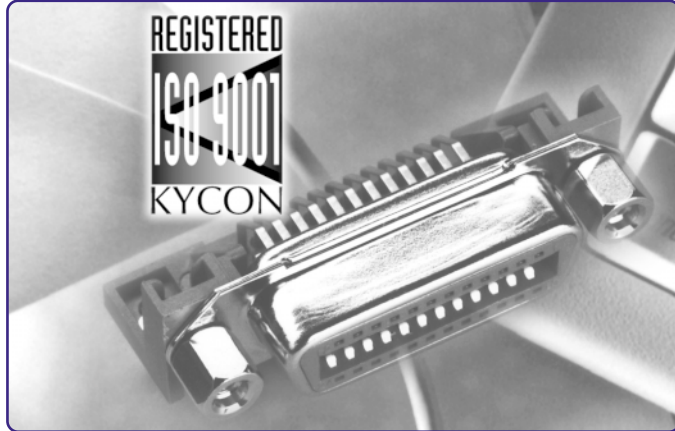
1200 V AC Min

Insulation Resistance

1000 Megohms Min

Temperature Rating

-55°C to + 105°C



Right Angle PCB Mount Miniature Ribbon Connectors

Ordering Information

37	-	92	500	-	24	-	XK	BLK
Series		Contact Type	No of Contacts		Mounting Option (PCB)		Mounting Option (Panel)	Color

Series

37 - Right Angle PCB Mount Miniature Ribbon Connector

Contact Type

91 - Pin Contact (Plug)
92 - Socket Contact (Receptacle)

Number of Contacts

240 - 24 Contacts
360 - 36 Contacts
500 - 50 Contacts

Mounting Option (PCB)

12 - 4-40 Riveted Threaded Mounting Holes
24 - Grounding Brackets

Mounting Option (Panel)

Blank - With Spring Latches* **Spring Latches installed separately**
K - With 4-40 Riveted Threaded Inserts and Spring Latches*
X - With Pan Head Screws installed and without Spring Latches
XK - With 4-40 Riveted Threaded Inserts and without Spring Latches
XJ - Without Spring Latches and with Jack Screws Installed**
XJM - Without Spring Latches and with IEEE Standard Metric Jack Screws Installed**

Color

Blank - Blue (Standard)
BLK - Black

* Spring Latch Option Only Available for Receptacle

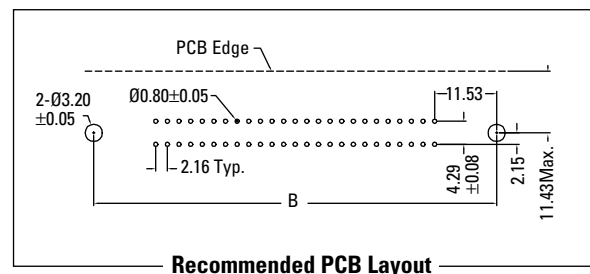
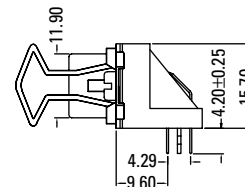
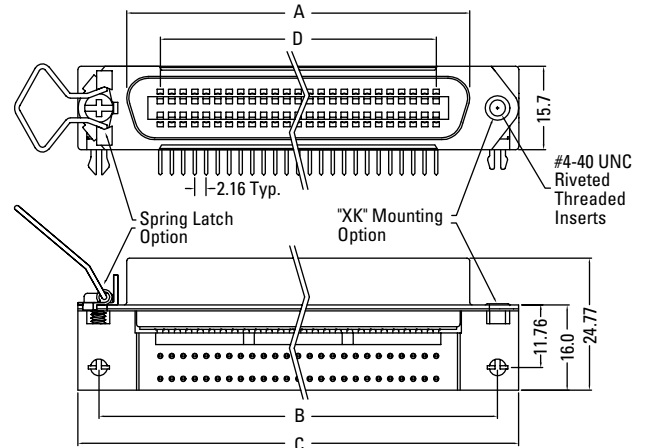
** Removal of Jack Screws Will Cause Disassembly of XJ Option

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Dimensions

Dimensions in mm



Recommended PCB Layout

Number of Contacts (Shell Size)	Dimensions (Inch/mm)			
	A	B	C	D
24	1.427	1.843	2.150	.935
	36.30	46.80	54.70	23.76
36	1.941	2.350	2.638	1.446
	49.30	59.70	67.70	36.72
50	2.545	2.949	3.264	2.041
	64.45	74.90	82.80	51.84

Mouser Electronics

Authorized Distributor

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[37-40360-24](#) [37-40140-13](#) [37-40240-14](#) [37-40500-24](#)