

MR SERIES

Adam Tech MR Series Miniature Ribbon connectors come in a variety of terminations including Solder Terminals, Straight PCB Tails, Right Angle PCB mount, Flat Cable IDC and Straddle Mount Card Edge. These connectors with their high pressure, flat wiping contacts are a very popular widely used interface especially in telecommunication applications. Offered in 14, 24, 36 and 50 positions they are a good choice for high reliability positive latching connector applications. They combine an extremely reliable contact design with the popular, polarized D face. Adam Tech connectors are manufactured with precision stamped contacts and offer a wide selection of mating and mounting options.

FEATURES:

Available in many termination styles
High pressure blade contacts
Industry standard compatibility
Durable metal shell design
Variety of Mating and mounting options

MATING CONNECTORS:

Adam Tech Miniature Ribbon connectors and all industry standard miniature ribbon connectors.

SPECIFICATIONS:

Material:

Insulator: PBT, Glass filled, rated UL94V-0
Insulator Color: Blue (Black optional)
Contacts: Phosphor Bronze
Shell: Steel, nickel plated

Contact Plating:

Gold Flash over nickel underplate on mating area, Tin over Copper underplate on tails

Electrical:

Operating Voltage: 250V AC
Current Rating: 1 Amps max.
Contact Resistance: 35 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstanding Voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 12 oz max.
Withdrawal force: 4.8 oz min.

Temperature Rating:

Operating Temperature: -55°C ~ +105°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053
CSA Certified File No. LR1578596



MINIATURE RIBBON

STRAIGHT PCB TAIL

IDC FLAT CABLE

SOLDER TERMINALS

RIGHT ANGLE PCB MOUNT

MR SERIES

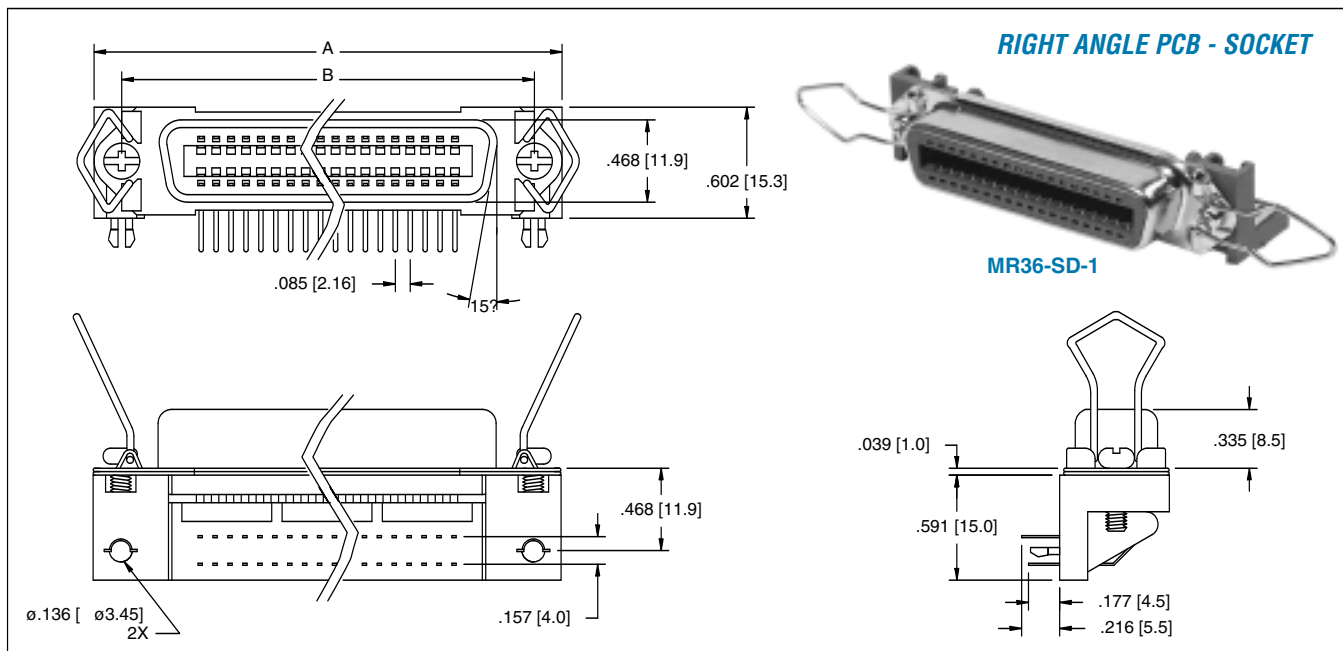
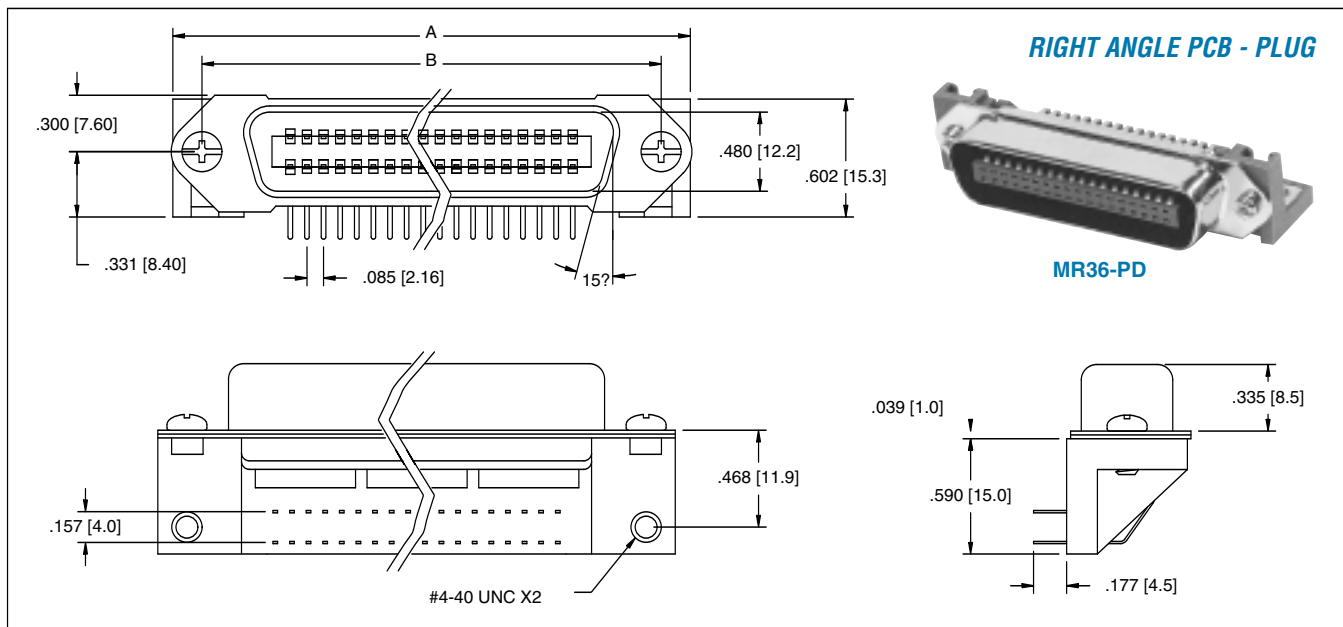


ORDERING INFORMATION

MR50	S	F	14
SHELL SIZE AND POSITIONS MR14 = 14 Contacts MR24 = 24 Contacts MR36 = 36 Contacts MR50 = 50 Contacts	CONTACT TYPE P = Plug S = Socket	TERMINATION TYPE A = Solder Terminals C = Straight PCB Tail D = Right Angle PCB Mount E = IDC, All plastic shell F = IDC, Metal Shell G = Straddle Mount Tails	MOUNTING 1 = Spring latches with .120" diameter mounting holes (socket only) 14 = Spring latches with #4-40 clinch nuts in mounting holes (socket only) 2 = Notch Ears (plug only) 3 = .120" diameter mounting holes only 34 = #4-40 threaded clinch nuts in mounting holes w/o spring latches

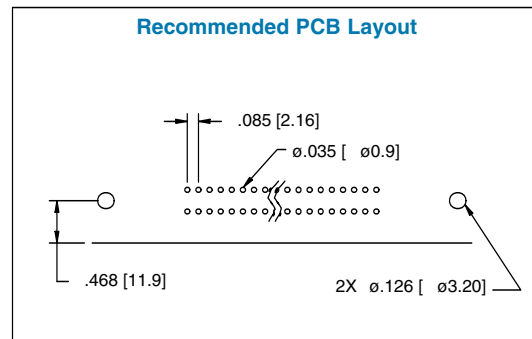
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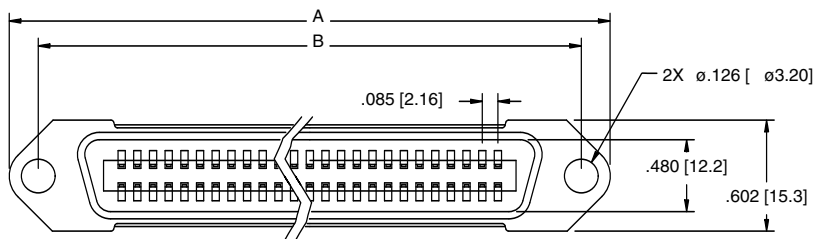
Add designator(s) to end of part number
30 = 30 μin gold plating in contact area
BK = Black color insulator
F = Forked boardlocks
RC = RoHS compliant lead-free product with Hi-Temp insulator



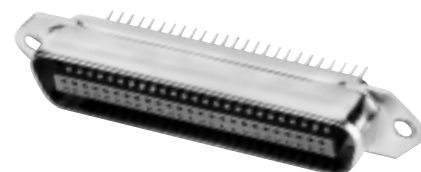
Unit: Inch / mm

PART NO. & POSITIONS	Dimensions	
	A	B
MR14-SD MR14-PD	1.750 (44.45)	1.417 (35.99)
MR24-SD MR24-PD	2.175 (55.25)	1.842 (46.79)
MR36-SD MR36-PD	2.685 (68.20)	2.352 (59.74)
MR50-SD MR50-PD	3.280 (83.31)	2.947 (74.85)

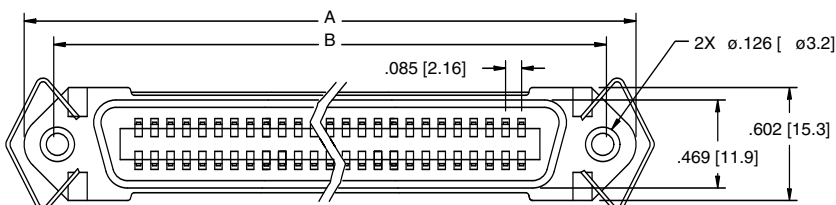
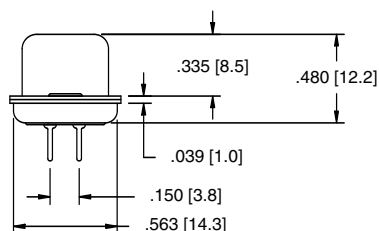
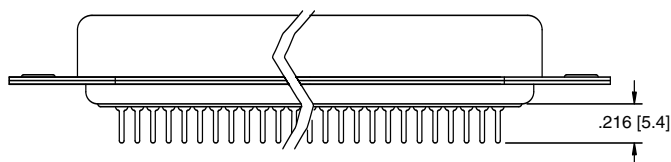




STRAIGHT PCB TAIL PLUG



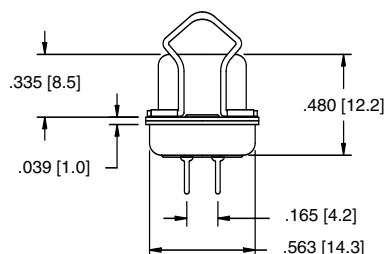
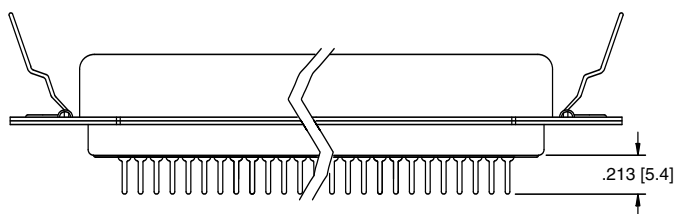
MR50-PC-3



STRAIGHT PCB TAIL SOCKET



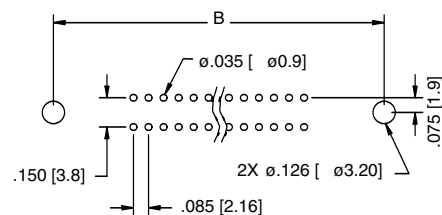
MR50-SC-3



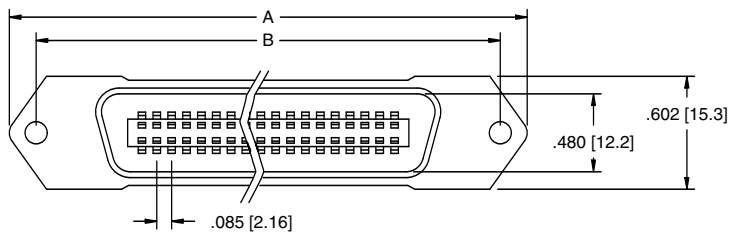
Unit: Inch / mm

PART NO. & POSITIONS	Dimensions	
	A	B
MR14-SC MR14-PC	1.750 (44.45)	1.417 (35.99)
MR24-SC MR24-PC	2.175 (55.25)	1.842 (46.79)
MR36-SC MR36-PC	2.685 (68.20)	2.352 (59.74)
MR50-SC MR50-PC	3.280 (83.31)	2.947 (74.85)

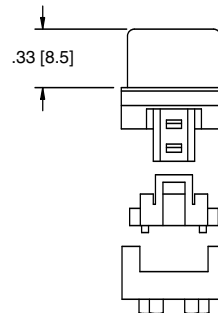
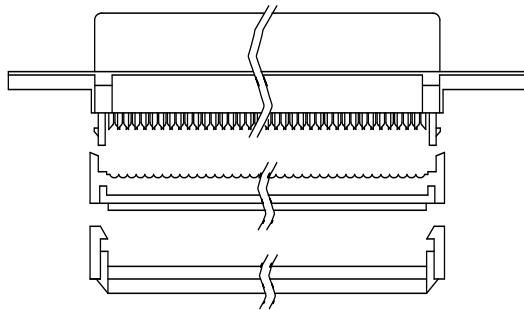
Recommended PCB Layout



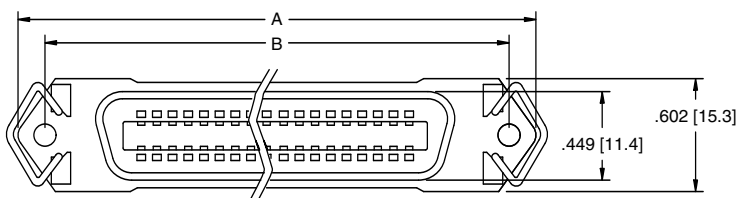
IDC FLAT CABLE - PLUG



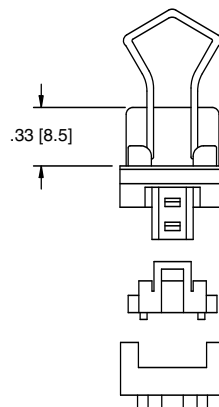
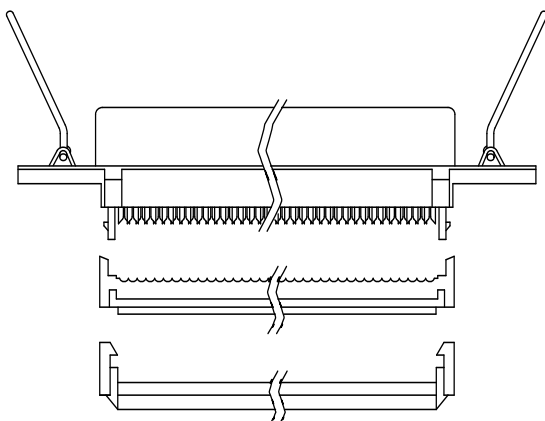
MR36-PF-2



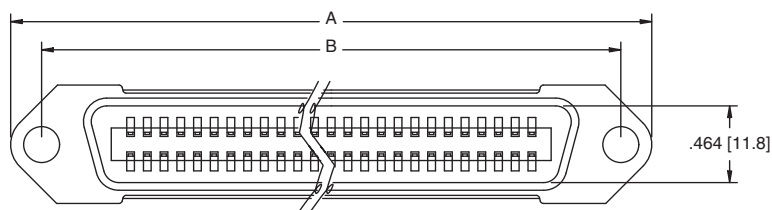
IDC FLAT CABLE - SOCKET



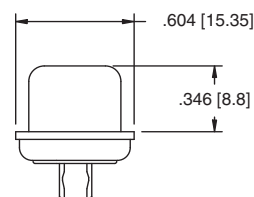
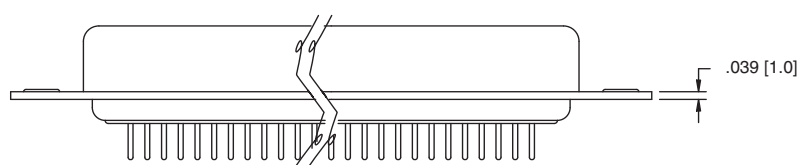
MR36-SF-3



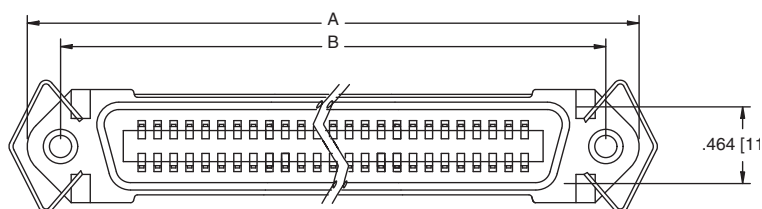
SOLDER TERMINALS - PLUG



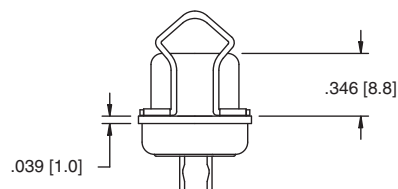
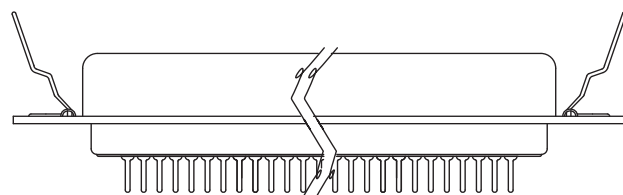
MR36-PA-2



SOLDER TERMINALS - SOCKET



MR36-SA-1



Unit: Inch / mm

PART NO. & POSITIONS	Dimensions	
	A	B
MR14-SA MR14-PA	1.750 (44.45)	1.417 (35.99)
MR24-SA MR24-PA	2.175 (55.25)	1.842 (46.79)
MR36-SA MR36-PA	2.685 (68.20)	2.352 (59.74)
MR50-SA MR50-PA	3.280 (83.31)	2.947 (74.85)

Mouser Electronics

Authorized Distributor

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

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[MR36-SD-14-F](#) [MR36-SD-1-F](#) [MR50-SD-14-.177](#) [MR24-PC-3-A](#) [MR50-PD-34-F](#) [MR14-SA-1-TT-LI-A](#) [MR36-SD-14-F-LI](#) [MR24-SD-1-F-TT](#) [MR36-PC-34](#) [MR50-SD-1](#) [MR50-SD-14](#) [MR50-SD-34-F-3.2](#) [MR24-SD-3](#) [MR50-SD-34-BK](#) [MR36-PC-34-BL](#) [MR14-PC-3-A](#) [MR24-SD-44](#) [MR24-SA-1-TT-LI-A](#) [MR36-SC-14](#) [MR24-PD-34](#) [MR36-PD-3](#) [MR50-SC-34](#) [MR36-SD-14](#) [MR36-PG-2-BK](#) [MR36-SH-1-LI-SG](#)