

INTRODUCTION

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
 Spring latches provided separately installation optional.

MATING CONNECTORS:

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

SPECIFICATIONS:

Material:

Standard insulator: PBT, Glass filled, rated UL94V-0
 Optional Hi-Temp insulator: Nylon 6T, 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 Amp 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 to +105°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

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



MINIATURE RIBBON

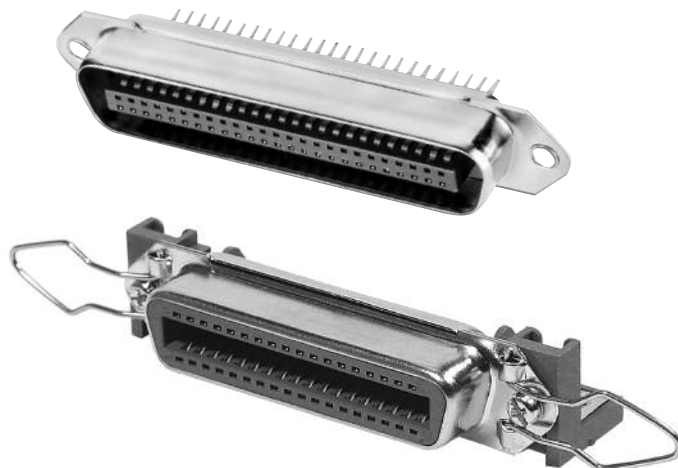
STRAIGHT PCB TAIL

IDC FLAT CABLE

SOLDER TERMINALS

RIGHT ANGLE PCB MOUNT

MR SERIES



ORDERING INFORMATION



SHELL SIZE AND POSITIONS

MR14 = 14 Contacts
 MR24 = 24 Contacts
 MR36 = 36 Contacts
 MR50 = 50 Contacts

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

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

OPTIONS:

Add designator(s) to end of part number
 30 = 30 μin gold plating in contact area
 BK = Black color insulator
 F = Forked boardlocks
 HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
 LI = Spring Latches Installed