

INTRODUCTION:

Adam Tech's Mini-Flex series of connectors include cable to board, wire to board and board to board choices. This series is designed with a dual contact point mating system and an array of locating posts and PCB pegs for positive alignment and friction lock mating. Rigid, staggered solder tails provide excellent stability for rugged use and feature kinked tails for PCB retention.

FEATURES:

Fine .050" Pitch for Hi-Density connection
 Flat heavy gauge contact blades for positive connectivity
 Equipped with Polarizing posts and locating pegs
 Positive Friction Locking mating
 Kinked solder tails for PCB retention

SPECIFICATIONS:

MATERIAL:

Insulator: Polyester, glass filled, rated UL94V-0
 Insulator Color: Red
 Contacts: Phosphor Bronze or Brass

PLATING:

Tin over Copper underplate overall

ELECTRICAL:

Operating Voltage: 250V AC
 Current Rating: 1.2 Amps Max.
 Contact Resistance: 10 mΩ Max.
 Insulation Resistance: 1000 MΩ Min.
 Dielectric Withstanding Voltage: 750V AC for 1 Minute

TEMPERATURE RATING:

Operation Temperature: -25°C ~ +105°C

PACKAGING:

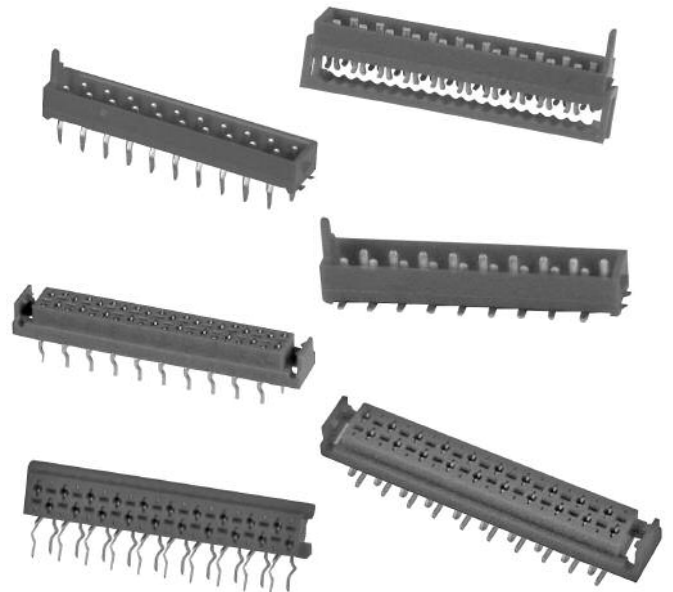
Anti ESD plastic trays or Tubes

SAFETY AGENCY APPROVALS:

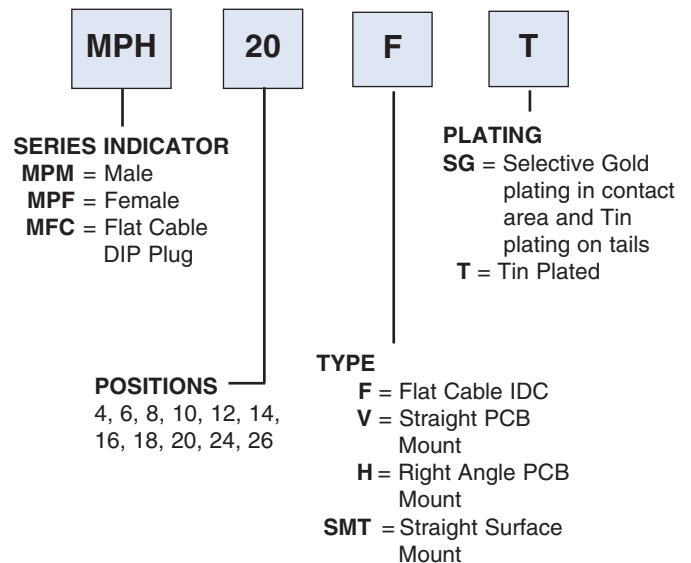
UL Recognized
 CSA Certified

APPROVALS AND CERTIFICATIONS:

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



ORDERING INFORMATION



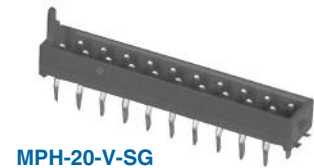
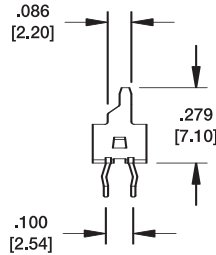
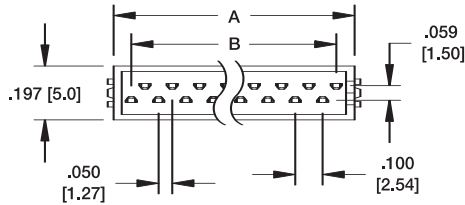
OPTIONS

15 = 15u" Gold on contact area
 30 = 30u" Gold on contact area
 L = Locking Flange

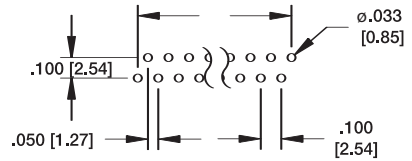


MPH

PCB MALE HEADER



MPH-20-V-SG

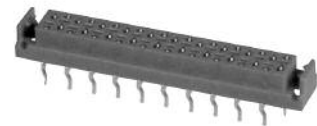
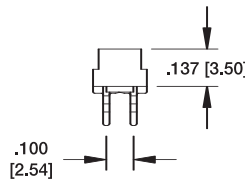
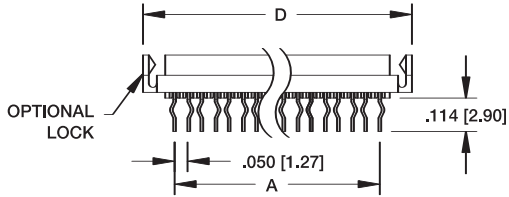
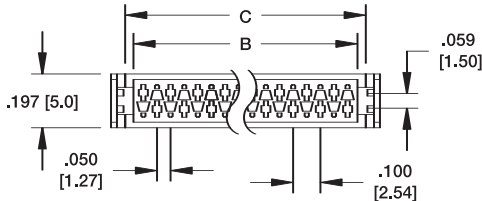


Recommended PCB Layout

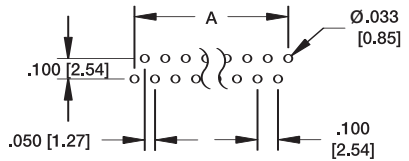
A = $.050 [1.27] \times \text{\# of positions} + .120 [3.05]$
 B = $.050 [1.27] \times \text{\# of spaces}$

MPF

PCB FEMALE HEADER



MPF-20-V-SG-L

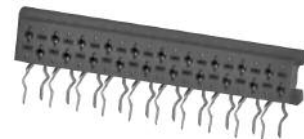
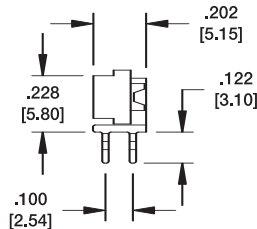
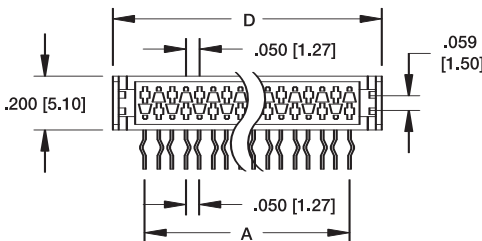
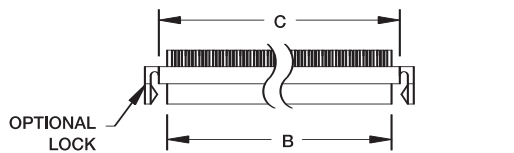


Recommended PCB Layout

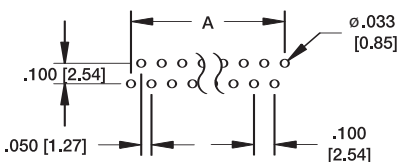
A = $.050 [1.27] \times \text{\# of spaces}$
 B = $.050 [1.27] \times \text{\# of positions} + .020 [0.52]$
 C = $.050 [1.27] \times \text{\# of positions} + .078 [2.00]$
 D = $.050 [1.27] \times \text{\# of positions} + .181 [4.60]$

MPF

PCB FEMALE HEADER RIGHT ANGLE



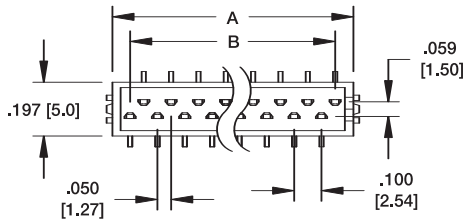
MPF-20-H-SG



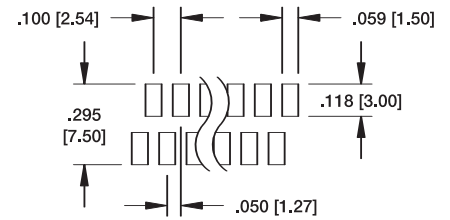
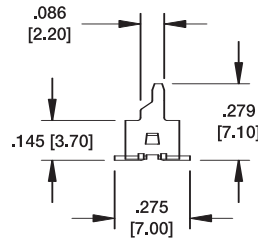
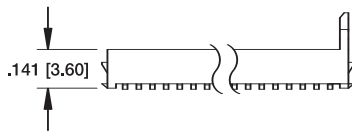
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MPH
PCB MALE HEADER SMT



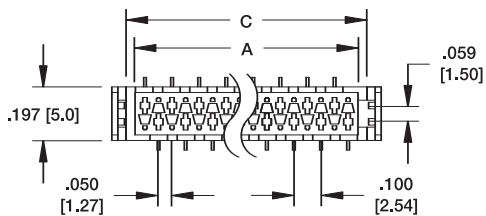
MPH-20-SMT-SG



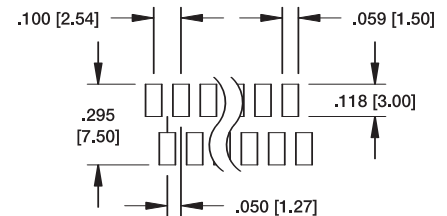
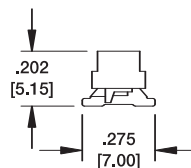
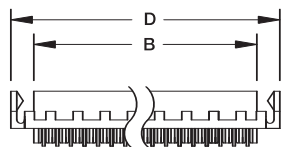
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MPF
PCB FEMALE HEADER SMT



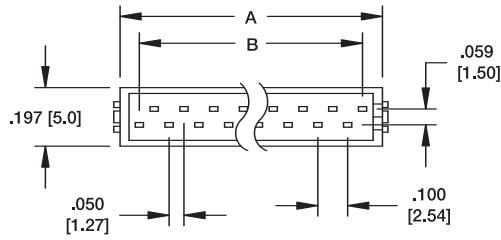
MPF-20-SMT-SG



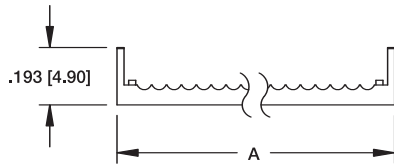
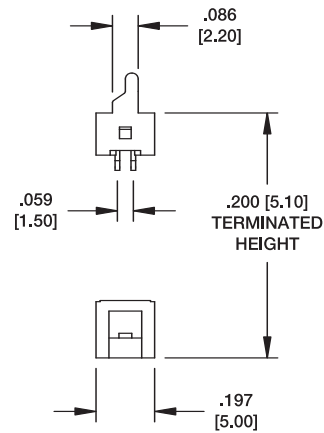
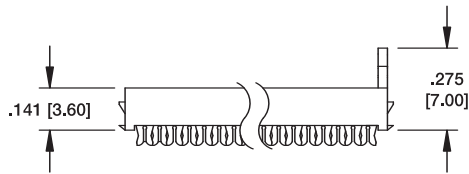
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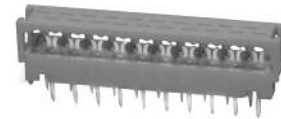
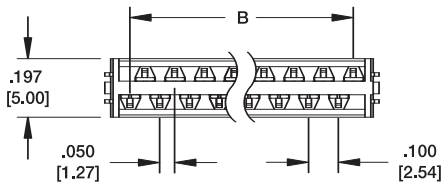
MPH IDC MALE PLUG



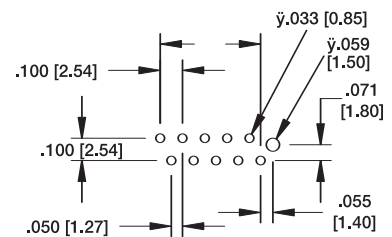
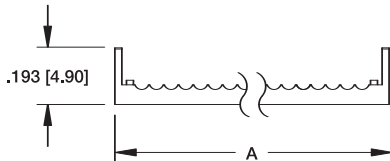
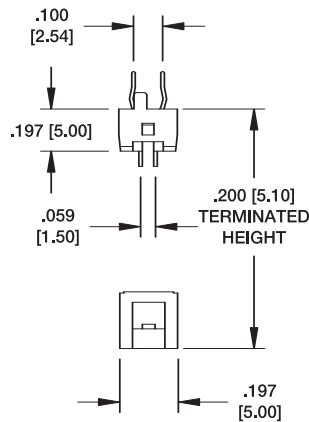
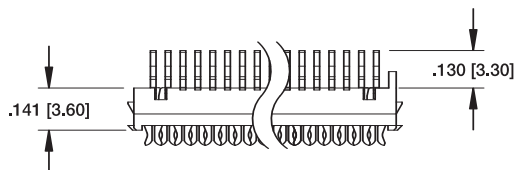
MPH-20-F-SG



MFC FLAT CABLE TO PCB PLUG



MFC-20-F-SG



Recommended PCB Layout

A = $.050 [1.27] \times \text{\# of positions} + .120 [3.05]$
 B = $.050 [1.27] \times \text{\# of spaces}$