

INTRODUCTION:

Adam Tech DMH & DMF Series Power Connectors consist of a receptacle and plug set in a variety of single and multiple row configurations with .165" centerlines. They are manufactured of Nylon 6/6 with a flammability rating of UL94V-2 or UL94V-0. This series is designed as a mated set with a PCB mounted header and a wire mounted socket which securely latches to header when mated. Our specially designed bodies provide polarization to eliminate mismatching and our latching system resists heavy vibration. PCB mounted headers have molded pegs which align and brace the PCB tails for trouble free assembly and use.

FEATURES:

- High current rating
- Polarized and Positive locking
- Vibration resistant
- Compatible with Wide Range of wires
- Industry standard compatible

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2
 Insulator Color: Natural or Black
 Contacts: Brass, tin plated

Electrical:

Operating voltage: 300V AC / DC max.
 Current Rating: 5 Amps max
 Insulation resistance: 1000 MΩ min.
 Dielectric withstanding voltage: 1500V AC for 1 minute

Temperature Rating:

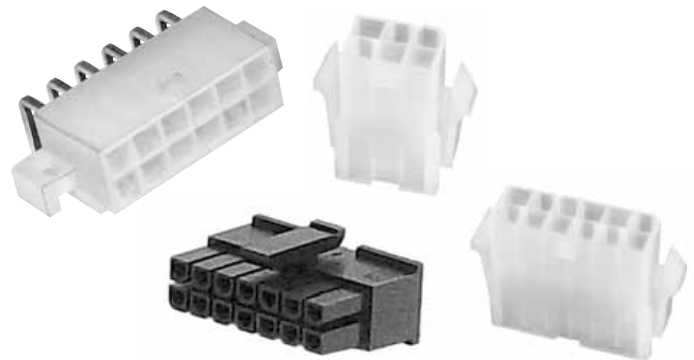
Operating temperature: -25°C to +85°C

PACKAGING:

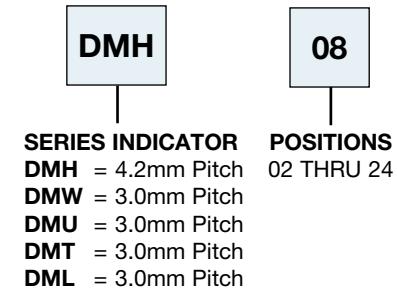
Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

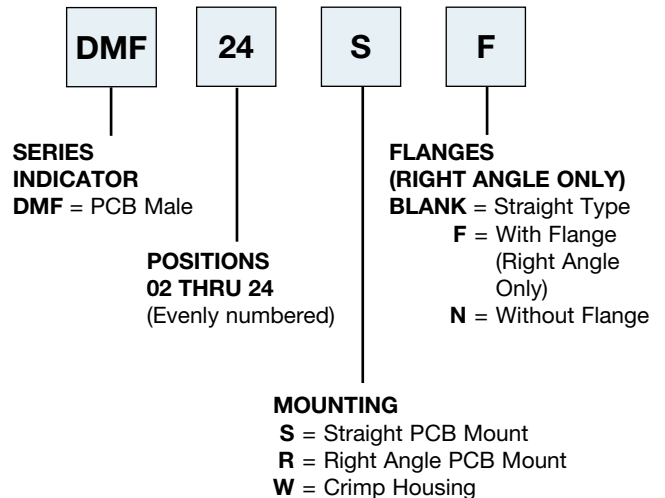
UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION FEMALE WIRE HOUSING



ORDERING INFORMATION MALE PCB HOUSING

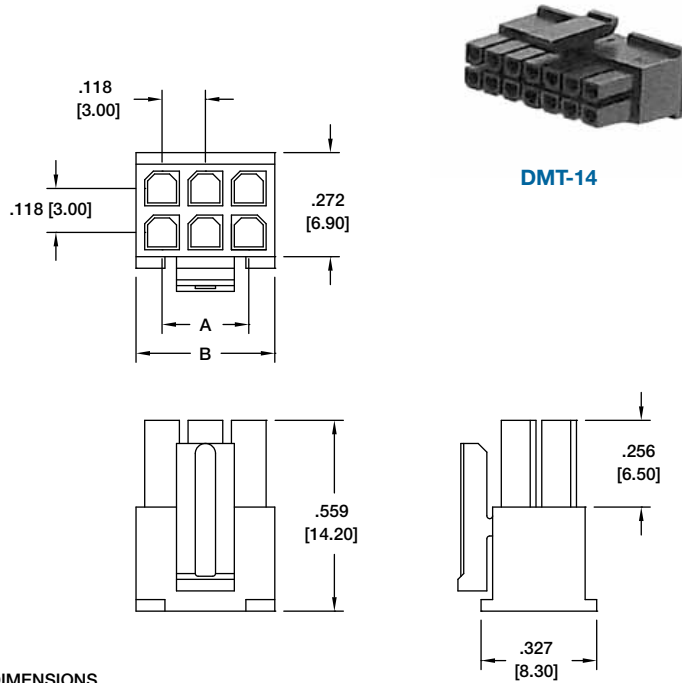


OPTIONS:

Add designator(s) to end of part number
 P = PCB Peg



DMT CRIMP HOUSING

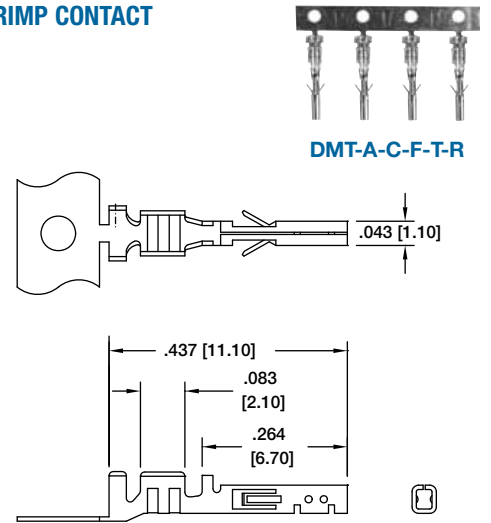


DIMENSIONS

A = .118 [3.00] X No. of Positions / 2 - 1

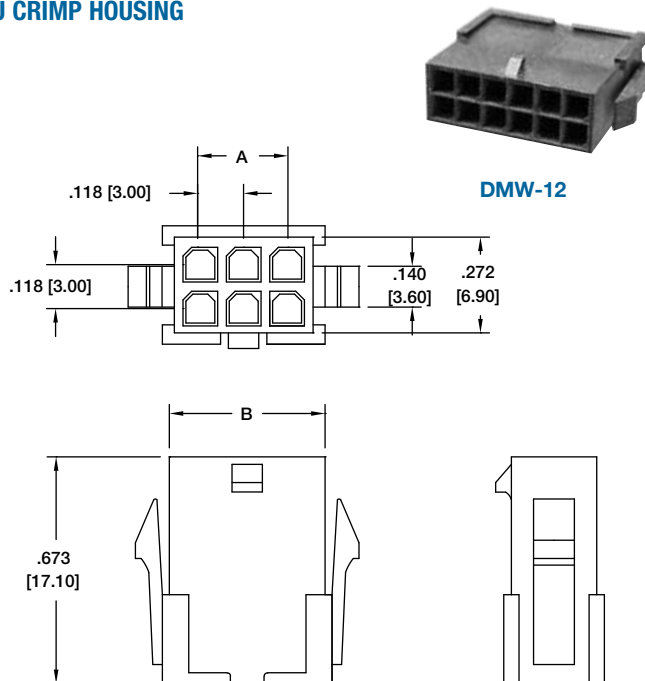
B = .118 [3.00] X No. of Positions / 2 + .151 [3.85]

DMT CRIMP CONTACT



PART #	WIRE AWG
DMT-A-C-F-T-R	26 - 30
DMT-B-C-F-T-R	20 - 24

DMU CRIMP HOUSING

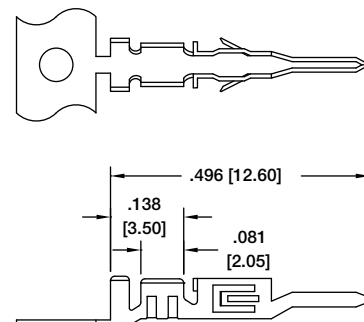


DIMENSIONS

A = .118 [3.00] X No. of Positions / 2 - 1

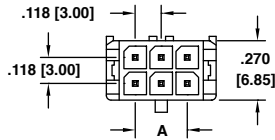
B = .118 [3.00] X No. of Positions / 2 + .151 [3.85]

DMU CRIMP CONTACT

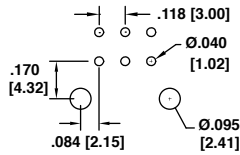


PART #	WIRE AWG
DMT-A-C-M-T-R	26 - 30
DMT-B-C-M-T-R	20 - 24

DML-XX-V-T VERTICAL THRU HOLE MOUNT



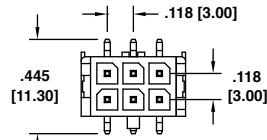
DML-10-V-T



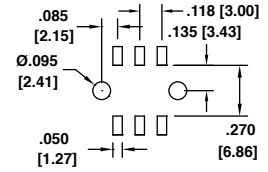
Recommended PCB Layout

Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DML-XX-V-T-SMT-BL VERTICAL SMT W/BOARDLOCKS



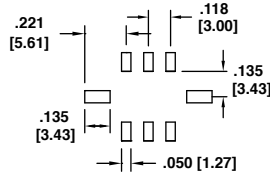
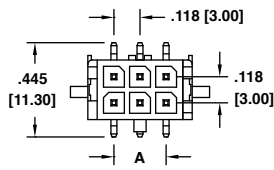
DML-10-V-T-SMT-BL



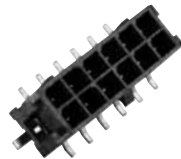
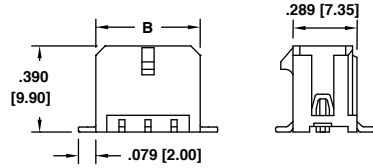
Recommended PCB Layout

Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DML-XX-V-T-TSMT VERTICAL TRUE SMT



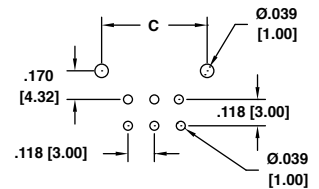
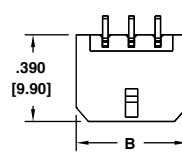
Recommended PCB Layout



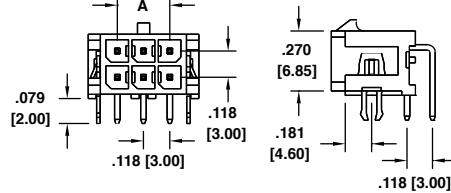
DML-12-V-T-TSMT

Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DML-XX-H-T-BL RIGHT ANGLE THRU HOLE



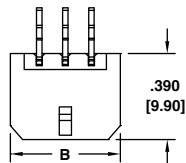
Recommended PCB Layout



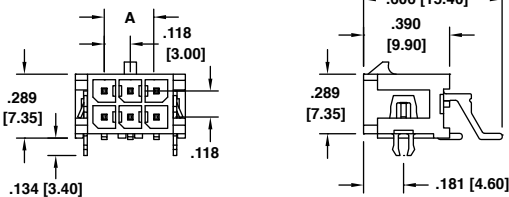
DML-12-H-T-BL

Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DML-XX-H-T-SMT-BL RIGHT ANGLE SMT W/BOARDLOCKS

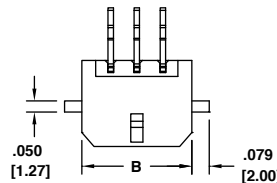


DML-10-H-T-SMT-BL

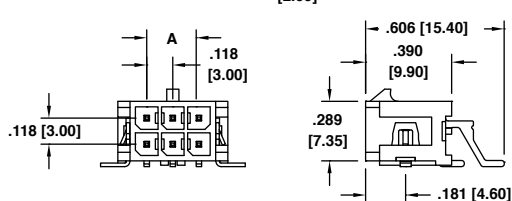


Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DML-XX-H-T-TSMT RIGHT ANGLE TRUE SMT

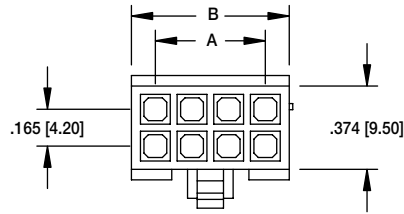


DML-08-H-T-TSMT

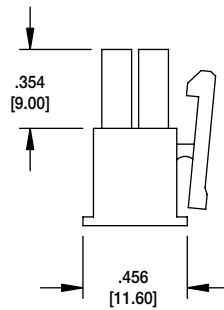
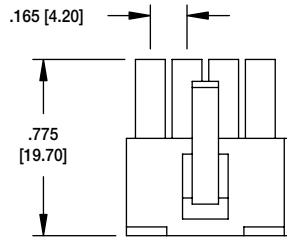


Replace (XX) with no. of positions
 A = .118 [3.00] X No. of Positions / 2 - 1
 B = .118 [3.00] X No. of Positions / 2 + .145 [3.70]

DMH CRIMP HOUSING



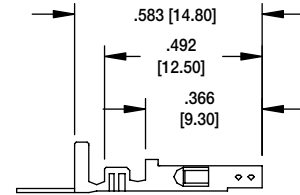
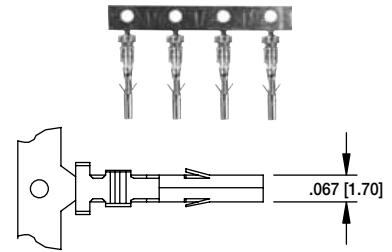
DMH-12



DIMENSIONS:

A = .165 [4.20] X No. of Position / 2 - 1

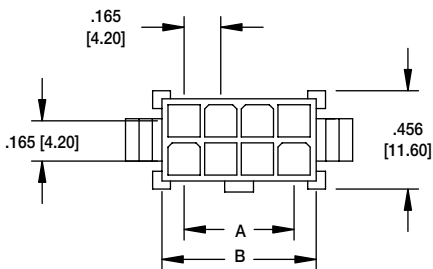
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



DMH CRIMP CONTACT

PART #	WIRE AWG
DMH-A-C-F-R	22 ~ 24
DMH-B-C-F-R	18 ~ 22
DMH-C-C-F-R	16 ~ 18

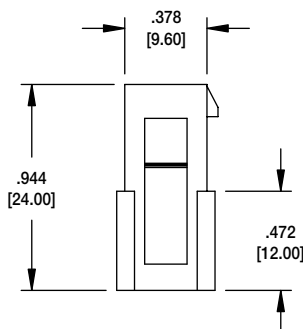
DMF CRIMP HOUSING



DMF-06-W



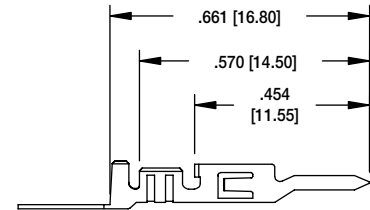
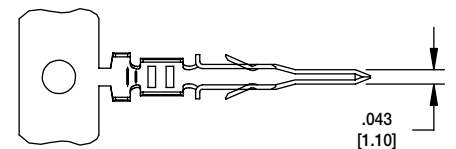
DMF-12-W



DIMENSIONS:

A = .165 [4.20] X No. of Position / 2 - 1

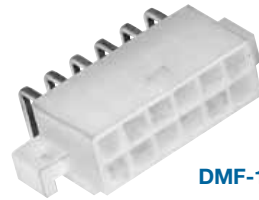
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



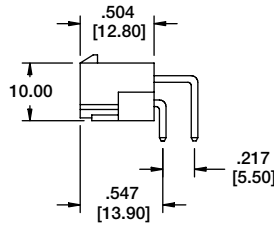
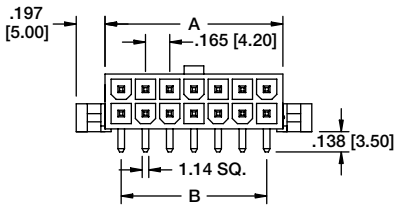
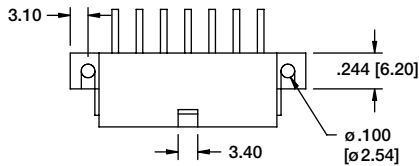
DMF CRIMP CONTACT

PART #	WIRE AWG
DMF-A-C-M-R	22 ~ 24
DMF-B-C-M-R	18 ~ 22

DMF RIGHT ANGLE WITH FLANGE

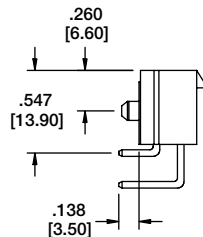
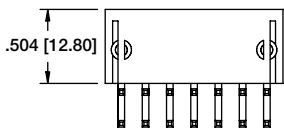
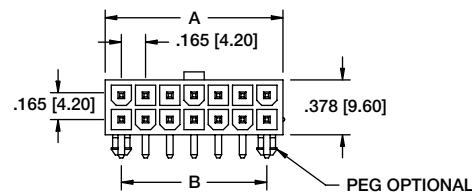
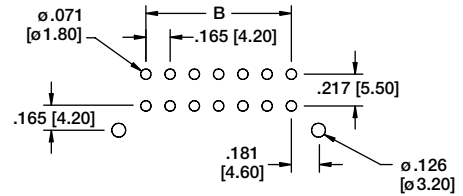


DMF-12-R-F



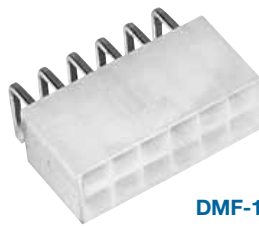
$A = .165 [4.20] \times \text{No. of Positions} + .213 [5.40]$
 $B = .165 [4.20] \times \text{No. of Spaces}$

Recommended PCB Layout



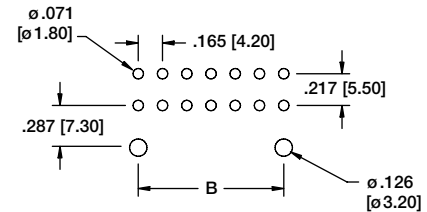
$A = .165 [4.20] \times \text{No. of Positions} + .213 [5.40]$
 $B = .165 [4.20] \times \text{No. of Spaces}$

DMF RIGHT ANGLE WITHOUT FLANGE

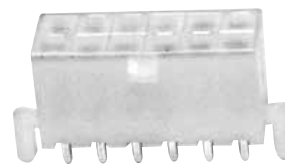


DMF-12-R-N

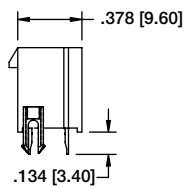
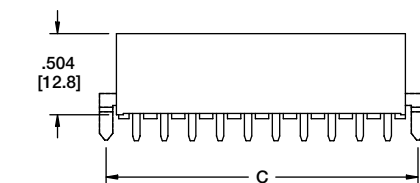
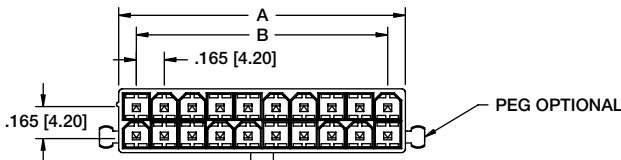
Recommended PCB Layout



DMF STRAIGHT MOUNT WITH PEG



DMF-12-S-P



$A = .165 [4.20] \times \text{No. of Positions} + .213 [5.40]$
 $B = .165 [4.20] \times \text{No. of Spaces}$

Recommended PCB Layout

