

### 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:

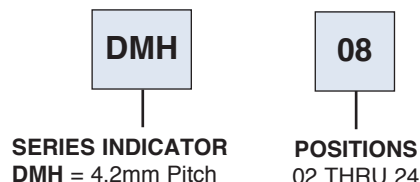
Anti-ESD plastic bags

### SAFETY AGENCY APPROVALS:

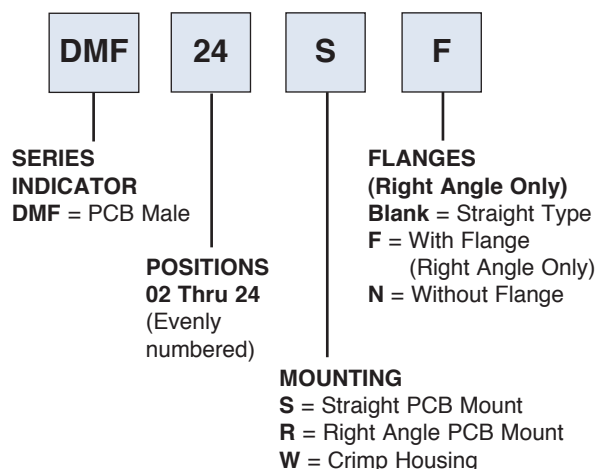
UL Recognized & CSA Certified, File no. E224053



### ORDERING INFORMATION FEMALE WIRE HOUSING



### ORDERING INFORMATION MALE PCB HOUSING

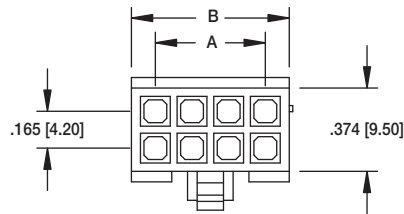


### OPTIONS:

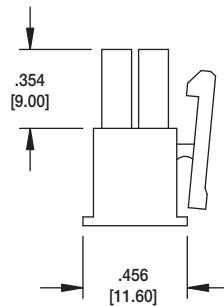
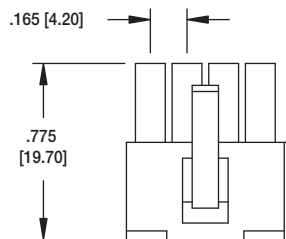
Add designator(s) to end of part number  
P = PCB Peg

## DMH

### CRIMP HOUSING



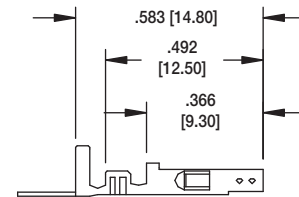
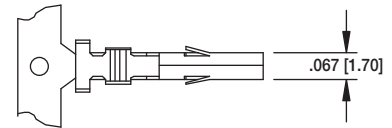
DMH-12



#### DIMENSIONS:

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

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

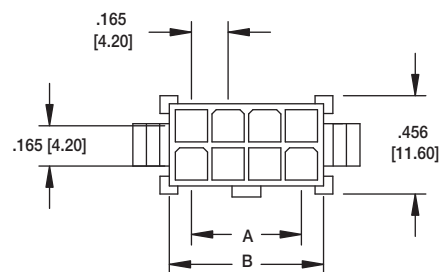


### DMH CRIMP CONTACT

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

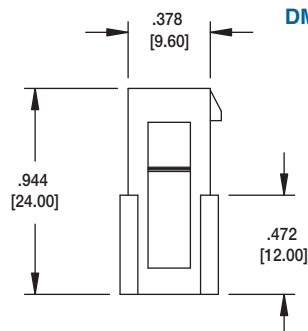
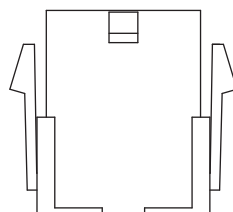
### CRIMP HOUSING



DMF-06-W



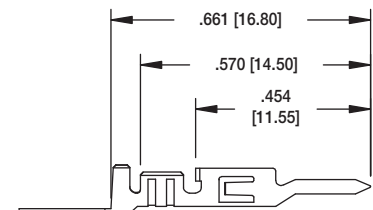
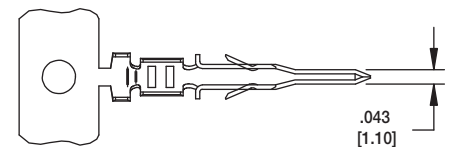
DMF-12-W



#### DIMENSIONS:

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

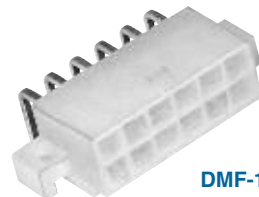
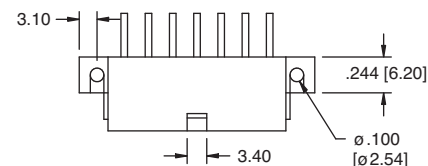
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



### DMF CRIMP CONTACT

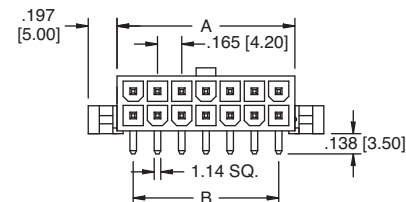
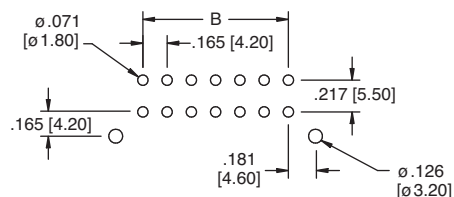
PART #	WIRE AWG
DMF-A-C-M-R	22 ~ 24
DMF-B-C-M-R	18 ~ 22

**DMF  
RIGHT ANGLE  
WITH FLANGE**



**DMF-12-R-F**

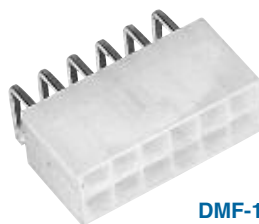
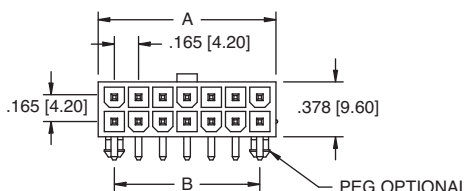
**Recommended PCB Layout**



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

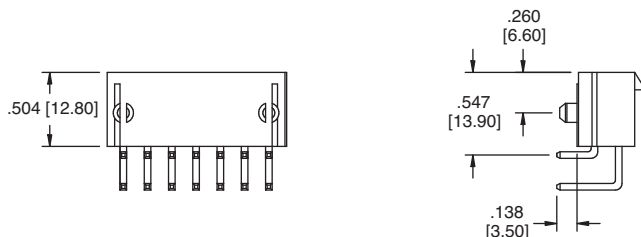
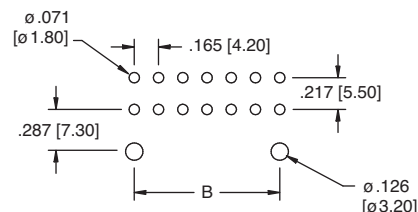
$$B = .165 [4.20] \times \text{No. of Spaces}$$

**DMF  
RIGHT ANGLE  
WITHOUT FLANGE**



**DMF-12-R-N**

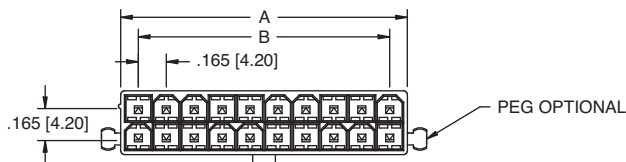
**Recommended PCB Layout**



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

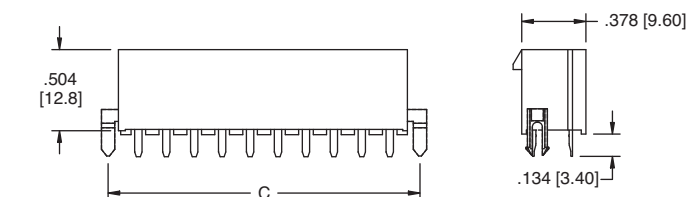
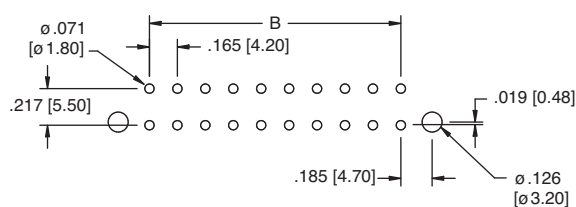
$$B = .165 [4.20] \times \text{No. of Spaces}$$

**DMF  
STRAIGHT MOUNT  
WITH PEG**



**DMF-12-S-P**

**Recommended PCB Layout**



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

$$B = .165 [4.20] \times \text{No. of Spaces}$$