

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Positive housing locks to mate with Mini-Fit, Jr. receptacles
- Fully isolated terminals to protect contacts from damage
- Mini-Fit, BMI connectors have the capability of being selectively loaded with longer pins for grounding
- 43759 is a first-mate/last-break header

### Reference Information

Product Specification: PS-5556-0002  
 Packaging: Tray and bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R75142  
 Mates With: 42385, 42474, 44475 and 5557  
 dual row receptacles  
 Use With: Standard Mini-Fit terminals  
 Designed In: Millimeters

### Electrical

Voltage: 600V  
 Current: (Used with 16 AWG)

Circuits	2-3	4-6	7-10	12-24
Amperes-BMI	9	8	7	6
Amperes-BMI with HCS	12	11	10	9

Contact Resistance: 10mΩ max.  
 Dielectric Withstanding Voltage: 1500V  
 Insulation Resistance: 1000 MΩ min.

### Mechanical

Insertion Force to PCB: 5.0kg max.  
 Mating Force: 0.7kg (1.54 lb) max.  
 Unmating Force: 0.35kg (0.7 lb) min.  
 Normal Force: 200g min.  
 Durability: 30 cycles

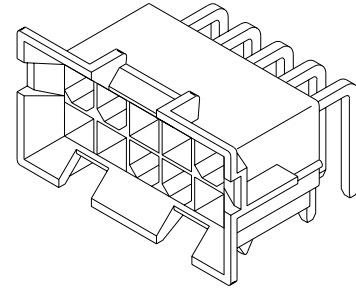
### Physical

Housing: 6/6 nylon, UL 94V-2 or 94V-0  
 Contact: Brass  
 Plating: Tin, select Gold or overall Gold  
 Operating Temperature: -40 to +105°C

# molex® 4.20mm (.165") Pitch Mini-Fit, BMI™ Header

## 42404/43759

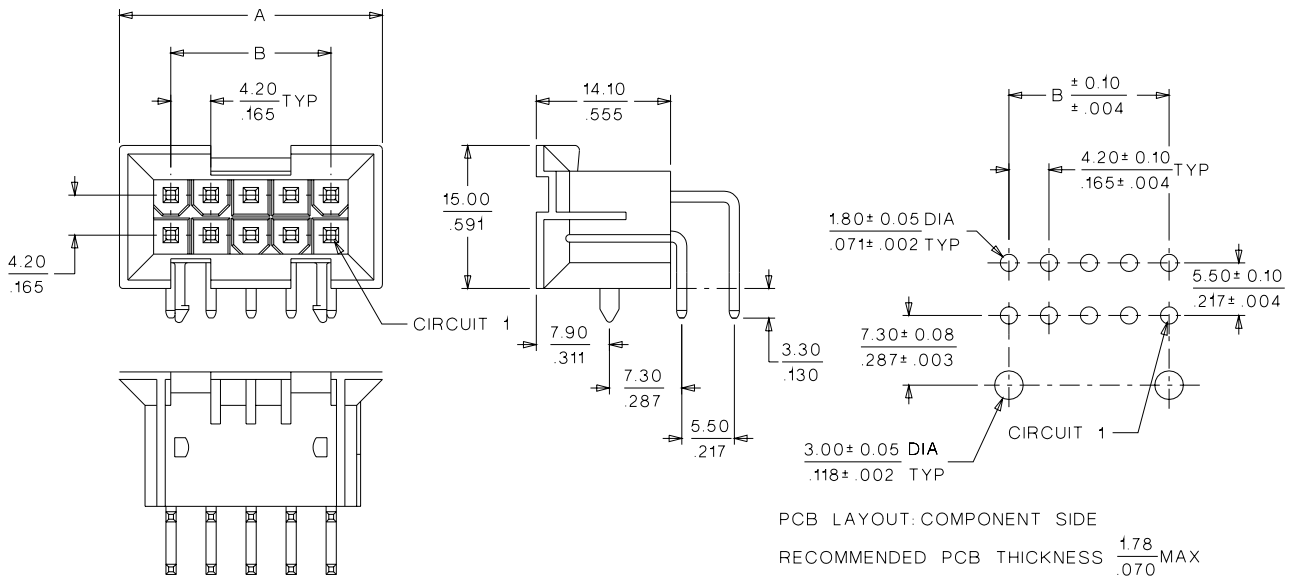
## Right Angle Dual Row



Power Connectors

F

## CATALOG DRAWING (FOR REFERENCE ONLY)



## ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.				Dimension	
	Tin Plated		Gold Plated		A	B
	94V-2	94V-0	94V-2	94V-0		
4	• 15-24-6040	• 15-24-9044	• 15-24-9043	• 15-24-9045	15.00 (.590)	4.20 (.165)
6	• 15-24-6060	• 15-24-9064	• 15-24-9063	• 15-24-9065	19.20 (.760)	8.40 (.331)
10	• 15-24-6100	• 15-24-9104	• 15-24-9103	• 15-24-9105	27.60 (1.090)	16.80 (.661)
14	• 15-24-6140	• 15-24-9144	• 15-24-9143	• 15-24-9145	36.00 (1.420)	25.20 (.992)
16		• 15-24-9164		• 15-24-9165	40.20 (1.580)	29.40 (1.157)
18	• 15-24-6180	• 15-24-9184	• 15-24-9183	• 15-24-9185	44.40 (1.750)	33.60 (1.323)
24	• 15-24-6240	• 15-24-9244	• 15-24-9243	• 15-24-9245	57.00 (2.240)	46.20 (1.819)
36	• 43759-0001				82.20 (3.240)	71.40 (2.811)

• US Standard Product, available through Molex franchised distributors