

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Positive housing locks to mate with Mini-Fit, Jr. single row receptacles 5557
- Fully isolated terminals to protect contacts from damage
- Peg-mounted vertical headers for increased board retention
- Drain hole option available in vertical headers

### Reference Information

Product Specification: PS-5556-0001  
 Packaging: Tray or bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R75142  
 Mates With: [5557](#) single row receptacle  
 Designed In: Millimeters

### Electrical

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

Circuits	2-3	4-6	7-10	12-24
Amperes-Jr.	9	8	7	6

### Electrical (cont'd)

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

### Mechanical

Contact Insertion Force: 1.5kg max.  
 Contact Retention to Housing: 3.0kg min.  
 Wire Pull-Out Force: 9.0kg min.  
 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

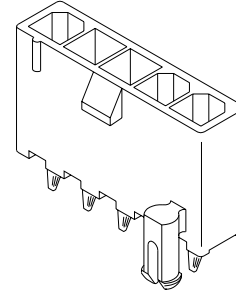
### Physical

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

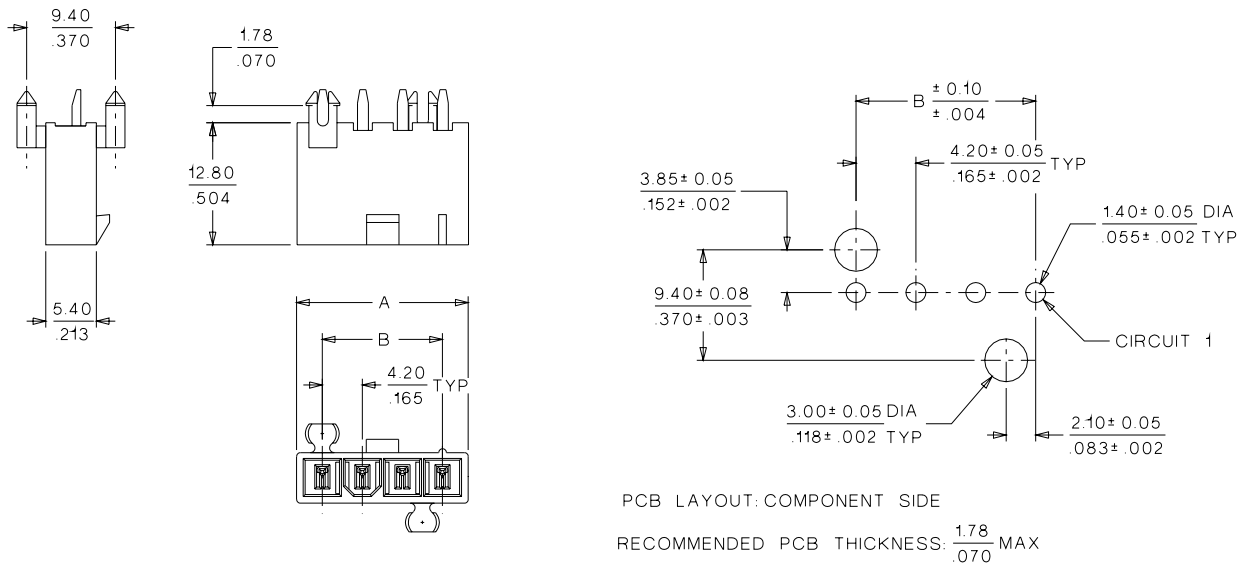
# molex® 4.20mm (.165") Pitch Mini-Fit, Jr.™ Header

## 5566

## Vertical, Single Row With Pegs



## CATALOG DRAWING (FOR REFERENCE ONLY)



## ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.				Drain Holes	Dimension	
	Tin Plated		Gold Plated (30μ")			A	B
	94V-2	94V-0	94V-2	94V-0			
3	• 39-30-1039	• 39-30-2030	• 39-30-2031	• 39-30-2032	No	13.80 (.543)	8.40 (.331)
	• 39-30-2035	• 39-30-2036	• 39-30-2037	• 39-30-2038	Yes		
4	• 39-30-2045		• 39-30-2047		No	18.00 (.709)	12.60 (.496)
					Yes		
5		• 39-30-2050 • 39-30-2056		• 39-30-2052 • 39-30-2058	No	22.20 (.874)	16.80 (.661)
					Yes		

• US Standard Product, available through Molex franchised distributors