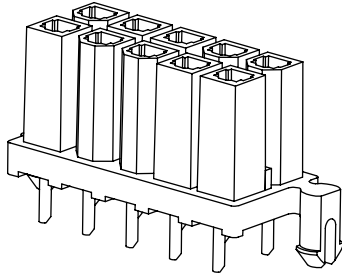


# 4.20mm (.165") Pitch Mini-Fit BMI™ PCB Receptacle Header

**42385**  
Vertical  
Dual Row



### Features and Benefits

- Board-mounted receptacle header for board-to-board applications
- Fully isolated terminals to protect contacts from damage
- The 42385 series is not inherently blindmating. Guidance to align the connectors during mating and float to provide stress-free positioning after mating must be provided

### Reference Information

Packaging: Tray  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: Pending  
 Mates With: 42475 plug, 42404, 42440, 43810, 43879 and 44068 headers  
 PCB Thickness: 1.60mm (.062")  
 Process: Wave Solder  
 Designed In: Millimeters

### Electrical

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

Series	Circuits			
	2-3	4-6	7-10	12-24
46134*	9.0A	8.0A	7.0A	6.0A

\*Brass

Contact Resistance: 10 milliohms max.  
 Dielectric Withstanding Voltage: 1500V  
 Insulation Resistance: 1000 Megohms min.

### Mechanical

Insertion Force to PCB: 9.0kg max.

### Physical

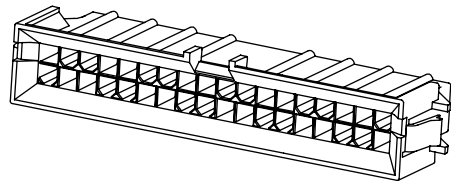
Housing: 6/6 nylon, UL 94V-2 or 94V-0  
 Contact: Brass  
 Plating: Post-plated Tin or Select Gold  
 Underplating: Nickel  
 Operating Temperature: -40 to +105°C

Circuits	Order No.				Lead-free
	Tin		Select Gold		
	94V-2	94V-0	94V-2	94V-0	
4	<a href="#">15-24-7040</a>	<a href="#">15-24-7041</a>	<a href="#">15-24-7042</a>	<a href="#">15-24-7043</a>	Yes
6	<a href="#">15-24-7060</a>	<a href="#">15-24-7061</a>	<a href="#">15-24-7062</a>	<a href="#">15-24-7063</a>	
10	<a href="#">15-24-7100</a>	<a href="#">15-24-7101</a>	<a href="#">15-24-7102</a>	<a href="#">15-24-7103</a>	
14	<a href="#">15-24-7140</a>	<a href="#">15-24-7141</a>	<a href="#">15-24-7142</a>	<a href="#">15-24-7143</a>	
16	<a href="#">15-24-7160</a>	<a href="#">15-24-7161</a>	<a href="#">15-24-7162</a>	<a href="#">15-24-7163</a>	
18	<a href="#">15-24-7180</a>	<a href="#">15-24-7181</a>	<a href="#">15-24-7182</a>	<a href="#">15-24-7183</a>	
24	<a href="#">15-24-7240</a>	<a href="#">15-24-7241</a>	<a href="#">15-24-7242</a>	<a href="#">15-24-7243</a>	

Note: 42385 headers do not mate with Mini-Fit Jr.™ products

# 4.20mm (.165") Pitch Mini-Fit BMI™ Plug

**43770**  
Dual Row  
With Panel Mount Ears



### Features and Benefits

- Blind mating panel mounted plug
- Fully isolated terminals to protect contacts from damage
- Designed so terminals in top row of housing seat further into the body and engage first when mated to reduce overall insertion force

### Reference Information

Packaging: Bag  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R75142  
 Mates With: 44516 housing  
 Use With: 5558, 46134, 46012 or 46098 terminals  
 Panel Thickness: 1.60mm (.063") max.  
 Designed In: Millimeters

### Physical

Housing: 6/6 nylon, UL 94V-2  
 Operating Temperature: -40 to +105°C

Circuits	Order No.
36	<a href="#">43770-0001</a>