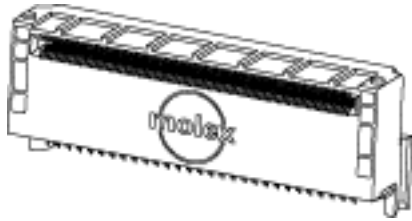


AMC B+ Connector.....	L-2
Low Profile VRM Connector—iCool™.....	L-2 to L-3
PCI Express* Connectors.....	L-4 to L-5
KK®	
Edge Connector Terminals.....	L-6
Edge Connector Housing.....	L-7

\*PCI Express is a trademark of PCI-SIG

## 0.75mm (.030") Pitch AMC B+ Connector

**75800/75908/75791**  
170-Circuit  
Press-Fit PC Tails



### Features and Benefits

- Press-fit termination to PCB
- Design capable of transmission speeds of 10 Gbps
- With or without PCB alignment pegs
- Meets PICMG AMC.0 Rev. 1 specification
- Extended-height version available: 23.0mm

### Reference Information

Product Specification: PS-75800-999  
Packaging: Tray  
Designed in: Millimeters

### Electrical

Voltage: 30V  
Current: 0.5A max  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 300V AC  
Insulation Resistance: 100 Megohms min.

### Mechanical

Mating Force: 40N max  
Unmating Force: 11.5N max  
Durability: 200 cycles

### Physical

Housing: Thermoplastic  
Contact: Copper Alloy  
Plating: Contact Area—Gold  
Tail Area—See Table  
PCB Thickness: 2.40mm (.093")  
Operating Temperature: -40 to +85°C

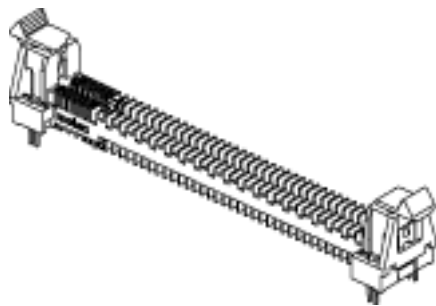
Order No.	PCB Peg	Tail Plating	Height	Lead-free
<a href="#">75800-0001</a>	Yes	Tin	21.85mm (.860")	Yes
<a href="#">75800-0002</a>		Tin/Lead		No
<a href="#">75908-0001</a>	No	Tin	21.85mm (.860")	Yes
<a href="#">75908-0002</a>		Tin/Lead		No
<a href="#">75791-0001</a>	Yes	Tin	23.0mm (.906")	Yes
<a href="#">75791-0002</a>		Tin/Lead		No

[www.molex.com/product/amc0.html](http://www.molex.com/product/amc0.html)

## L

## 1.00mm (.039") Pitch iCool™ Low Profile VRM Connector

**87786/87787**  
Vertical, with Latches



### Features and Benefits

- High-temperature thermoplastic housing withstands lead-free solder processing
- Open housing design allows air flow to cool the contacts
- Four forklocks secure connectors to PCB against shock and vibration
- Low loop inductance design is ideal for high slew rate characteristics
- Use of VRMs saves valuable PCB real estate compared to Voltage Regulator Down (VRD)
- Plastic locating peg ensures proper insertion and polarization on the PCB
- Unique reverse angle latch notch feature retains the VRM module securely during shock and vibration

### Reference Information

Product Specification: PS-87786-008  
Packaging: Tray  
Mates With: Voltage regulator module  
Designed In: Millimeters

### Electrical

Voltage: Power—48V  
Signal—48V  
Current: Power—4.0A per contact pair  
Signal—1.0A per contact  
Contact Resistance: Power—5 milliohms max.  
Signal—10 milliohms max.  
Dielectric Withstanding Voltage: 1100V AC  
Insulation Resistance: 5000 Megohms min.

### Mechanical

Contact Retention to Housing: 3.43N min. per pin  
Insertion Force to PCB: 22.5N max. per forklock  
Mating Force: 245.3N max.  
Latch Actuation Force: 44.1N per latch  
Durability: 25 cycles

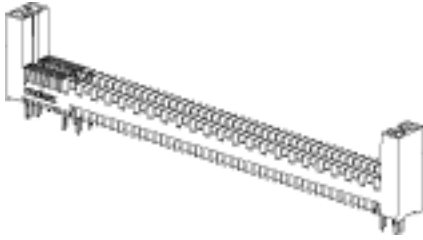
### Physical

Housing: Black high-temperature thermoplastic, UL 94V-0  
Contact: Copper Alloy  
Plating: Contact Area—0.76µm (30µ") Gold  
Solder Tail Area—Tin  
Underplating: Nickel  
Operating Temperature: -10 to +105°C

Circuits	Order No.	PCB Mounting	Lead-free
Signal 20, Power 72 (VRM 10)	<a href="#">87786-1002</a>	SMT	Yes
Signal 24, Power 70 (VRM 11)	<a href="#">87786-1011</a>		
Signal 20, Power 72 (VRM 10)	<a href="#">87787-1002</a>	Through Hole	
Signal 24, Power 70 (VRM 11)	<a href="#">87787-1011</a>		

# 1.00mm (.039") Pitch iCool™ Low Profile VRM Connector

**87810**  
Through Hole, Vertical  
Without Latch



### Features and Benefits

- High-temperature thermoplastic housing withstands lead-free solder processing
- Open housing design allows air flow to cool the contacts
- Four beveled metal pins (Forklocks) secure connectors to PCB against shock and vibration
- Low loop inductance design ideal for high slew rates characteristics
- Same VRM plugs into vertical and horizontal connector reduces VRM design, test and inventory
- Plastic locating peg ensures proper insertion and polarization on the PCB
- Unique reverse angle latch notch feature retains the VRM Module securely during shock and vibration

### Reference Information

Product Specification: PS-87810-008  
Packaging: Tray  
UL File No.: E29179  
Mates With: Voltage Regulator Module  
Designed In: Millimeters

### Electrical

Voltage: Power—48V  
Signal—48V  
Current: Power—4A per contact pair  
Signal—1A per contact pair  
Contact Resistance: Power—5 milliohms max.  
Signal—10 milliohms max.  
Dielectric Withstanding Voltage: 1100V AC  
Insulation Resistance: 5000 Megohms min.

### Mechanical

Contact Retention to Housing:  
Power and Signal: 3.43N min./pin  
Insertion Force to PCB: 45.11N max.  
Mating Force: 245.25N max.  
Unmating Force: 98.1N max.  
Durability: 25 cycles

### Physical

Housing: Black high-temperature thermoplastic, UL 94V-0  
Contact: Copper Alloy  
Plating: Contact Area—0.76µm (30µ") Gold  
Solder Tail Area—Tin, Lead-free  
Underplating—Nickel  
Operating Temperature: -10 to +105°C

Circuit Details	Order No.	Tower	Lead-free
Signal 22, Power 88	87810-1001	No	Yes
	87810-1002	Yes	

# 1.00mm (.039") Pitch iCool™ Low Profile VRM Connector

**87818**  
Through Hole, Right Angle  
With Latch



### Features and Benefits

- High-temperature thermoplastic housing withstands lead-free solder processing
- Open housing design allows air flow to cool the contacts
- Four forklocks secure connectors to PCB against shock and vibration
- Low loop inductance design ideal for high slew rate characteristics
- Same VRM plugs into vertical and horizontal connector reduces VRM design, test and inventory
- Plastic locating peg ensures proper insertion and polarization on the PCB
- Unique reverse angle latch notch feature retains the VRM Module securely during shock and vibration

### Reference Information

Product Specification: PS-87818-006  
Packaging: Tray  
UL File No.: E29179  
Mates With: Voltage regulator module  
Designed In: Millimeters

### Electrical

Voltage: Power—48V  
Signal—48V  
Current: Power—4.0A per contact pair  
Signal—1.0A per contact pair  
Contact Resistance: Power—7.5 milliohms max.  
Signal—15 milliohms max.  
Dielectric Withstanding Voltage: 1100V AC  
Insulation Resistance: 5000 Megohms min.

### Mechanical

Contact Retention to Housing: Power—4.90N min. per pin  
Signal—3.43N min. per pin  
Insertion Force to PCB: 22.5N max. per forklock  
Mating Force: 245.25N max.  
Latch Actuation Force: 44.1N per latch  
Durability: 25 cycles

### Physical

Housing: Black high-temperature themoplastic, UL 94V-0  
Contact: Copper Alloy  
Plating: Contact Area—0.76µm (30µ") Gold  
Solder Tail Area—Tin  
Underplating: Nickel  
Operating Temperature: -10 to +105°C

Circuits	Order No.	Lead-free
Signal 20, Power 72 (VRM 10)	87818-1001	Yes
Signal 24, Power 70 (VRM 11)	87818-1011	

# 1.00mm (.039") Pitch PCI Express\* ExpressModule\* (SIOM) Socket

**78033**  
Vertical, Press-Fit



### Features and Benefits

- High-temperature thermoplastic housing for lead-free processing
- Complies with PCI-SIG\* industry specifications to ensure connectors support all ExpressModule\* available in the market
- Key design ensures correct mating of card module to edge card connector
- Press-fit termination allows solderless termination on PCBs with high layer count
- Wider lead-in design to better facilitates blind mating

### Reference Information

Product Specification: PS-78028-001  
Packaging: Tray  
Mates With: 1.57mm (.061") thick ExpressModule  
Designed In: Millimeters

### Electrical

Voltage: 50V AC (RMS)/DC  
Current: 1.1A  
Contact Resistance: 30 milliohms max.  
Dielectric Withstanding Voltage: 500V AC  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Terminal Retention Force: 2.94N min. per terminal  
Mating Force: 1.15N max. per contact pair  
Unmating Force: 0.15N min. per contact pair  
Durability: 50 cycles

### Physical

Housing: Black high-temperature nylon, UL 94V-0  
Contact: Copper Alloy  
Plating: Contact Area—0.76 $\mu$ m (30 $\mu$ ) Gold  
Solder Tail Area—Tin  
Underplating: Nickel  
Operating Temperature: -55 to +85°C

Circuits	Order No.	PC Tail Length	Recommended PCB Thickness	Lead-free
8 Ports, 98 Circuits	<a href="#">78033-0008</a>	2.54mm (.100")	2.30mm (.090")	Yes
	<a href="#">78033-0018</a>	2.79mm (.109")	2.60mm (.102")	
	<a href="#">78033-0028</a>	3.43mm (.135")	3.20mm (.125")	

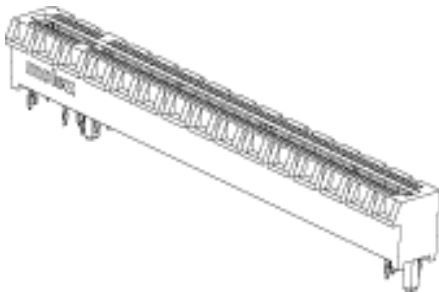
For Tin/Lead option, please contact Molex

\*PCI Express, ExpressModule and PCI-SIG are trademarks or registered trademarks of PCI-SIG

[www.molex.com/customer.html?seriesNumber=78033](http://www.molex.com/customer.html?seriesNumber=78033)

# L 1.00mm (.039") Pitch PCI Express\* Edgecard Connector

**78028**  
Vertical, Press-Fit



### Features and Benefits

- High-temperature thermoplastic housing for lead-free processing
- Complies with PCI-SIG\* industry specifications to ensure connectors support all PCI Express module cards
- Keying design ensures correct mating of card module to edge card connector
- Press-fit termination allows solderless termination on PCBs with high layer count
- Ridge design will be compatible with module cards that require a retention clip for secure retention

### Reference Information

Product Specification: PS-78028-001  
Packaging: Tray  
Mates With: PCI Express\* module card  
Designed In: Millimeters

### Electrical

Voltage: 50V AC (RMS)/DC  
Current: 1.1A  
Contact Resistance: 30 milliohms max.  
Dielectric Withstanding Voltage: 500V AC  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Terminal Retention Force: 2.94N min./terminal  
Mating Force: 1.15N max./contact pair  
Unmating Force: 0.15N min./contact pair  
Durability: 50 cycles

### Physical

Housing: Black high-temperature nylon, UL 94V-0  
Contact: Copper Alloy  
Plating: Contact Area—See table  
Solder Tail Area—Tin  
Underplating: Nickel  
Operating Temperature: -55 to +85°C

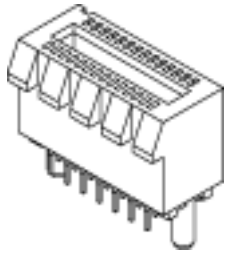
Circuits	Order No.	Plating	PC Tail Length	Recommended PCB Thickness	Lead-free
8 Ports, 98 Circuits	<a href="#">78028-0008</a>	0.76 $\mu$ m (30 $\mu$ ) Gold	2.54mm (.100")	2.30mm (.090")	Yes
	<a href="#">78028-0108</a>		2.79mm (.109")	2.60mm (.102")	
	<a href="#">78028-1108</a>		3.43mm (.135")	3.20mm (.125")	
	<a href="#">78028-0018</a>	0.38 $\mu$ m (15 $\mu$ ) Gold	2.54mm (.100")	2.30mm (.090")	
	<a href="#">78028-0118</a>		2.79mm (.109")	2.60mm (.102")	
	<a href="#">78028-1118</a>		3.43mm (.135")	3.20mm (.125")	
16 Ports, 164 Circuits	<a href="#">78028-0016</a>	0.76 $\mu$ m (30 $\mu$ ) Gold	2.54mm (.100")	2.30mm (.090")	
	<a href="#">78028-0116</a>		2.79mm (.109")	2.60mm (.102")	
	<a href="#">78028-1116</a>		3.43mm (.135")	3.20mm (.125")	
	<a href="#">78028-0026</a>	0.38 $\mu$ m (15 $\mu$ ) Gold	2.54mm (.100")	2.30mm (.090")	
	<a href="#">78028-0126</a>		2.79mm (.109")	2.60mm (.102")	
	<a href="#">78028-1126</a>		3.43mm (.135")	3.20mm (.125")	

For Tin/Lead option, please contact Molex

\*PCI Express and PCI-SIG are trademarks or registered trademarks of PCI-SIG

# 1.00mm (.039") Pitch PCI Express\* Connector

**87715**  
**Vertical**



### Features and Benefits

- Complies with the PCI-SIG specification for desktop PCI Express implementation
- Supports 2.5 Gbps data transfer rate (per pair data bandwidth)
- Scalable modular design maximizes card interoperability for user flexibility—1x, 4x, and 8x add-in card can plug into 16x connector
- Enables hot plug and hot swap
- Simple through-hole design supports low-cost board assembly process

### Reference Information

Product Specification: PS-87715-200~206  
Packaging: Tray  
Designed In: Millimeters

### Electrical

Voltage: 50V  
Current: 1.1A  
Dielectric Withstanding Voltage: 500V DC  
Insulation Resistance: 1000 Megohms min.

### Mechanical

Mating Force: 1.15N  
Unmating Force: 0.15N  
Durability: 50 cycles

### Physical

Plating: Solder Tail Area—Tin or Tin/Lead  
Underplating: Nickel  
Operating Temperature: -55 to 85°C

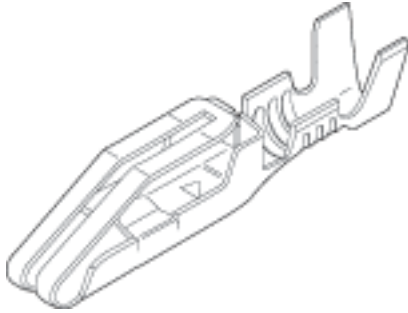
Circuits	Order No.	PCB Thickness	Plating Contact	Housing	Contact	Lead-free	
26	87715-3901	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled	Phosphor Bronze	No	
	87715-2000	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled			
	87715-2002	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
	87715-3000	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled			
	87715-3002	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-3005	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-6000	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled			
	87715-6002	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
	87715-6003	2.4mm (.093")	Gold Flash	Nylon 6/6, Glass-filled			
	87715-6005	2.4mm (.093")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
	87715-9000	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		Yes	
	87715-9002	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-9003	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled			
	87715-9005	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-9006	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-9007	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled			
	87715-9008	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
	87715-2102	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
	87715-3102	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			No
	87715-3105	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-6100	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled				
87715-6102	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled				
87715-6103	2.4mm (.093")	Gold Flash	Nylon 6/6, Glass-filled				
87715-6105	2.4mm (.093")	15µ" Gold Plating	Nylon 6/6, Glass-filled				
87715-9100	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled	Phosphor Bronze			
87715-9102	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9103	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled				
87715-9105	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9106	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9107	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled				
87715-9108	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-3202	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		No		
87715-3205	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9902	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled				
87715-9903	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled				
87715-9904	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled				
87715-9905	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9906	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-9907	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled				
87715-2200	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled	Phosphor Bronze			
87715-2202	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled				
87715-3200	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled	No			

\*PCI Express is a trademark of PCI-SIG.

Circuits	Order No.	PCB Thickness	Plating Contact	Housing	Contact	Lead-free
98	87715-3206	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled	Phosphor Bronze	No
	87715-3902	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled		
	87715-3905	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3910	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-6200	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled		
	87715-6202	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled		
	87715-6203	2.4mm (.093")	Gold Flash	Nylon 6/6, Glass-filled		
	87715-6205	2.4mm (.093")	15µ" Gold Plating	Nylon 6/6, Glass-filled		
	87715-9200	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled		
	87715-9202	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-9203	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled		
	87715-9205	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-9206	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-9207	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled		
	87715-9208	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-2300	1.6mm (.062")	Gold (Au) Flash	Nylon 6/6, Glass-filled		Phosphor Bronze
	87715-2302	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled		
	87715-3302	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3305	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3306	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled		
87715-3913	2.4mm (.093")	30µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-6300	1.6mm (.062")	Gold Flash	Nylon 6/6, Glass-filled			
87715-6302	1.6mm (.062")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
87715-6303	2.4mm (.093")	Gold Flash	Nylon 6/6, Glass-filled			
87715-6305	2.4mm (.093")	15µ" Gold Plating	Nylon 6/6, Glass-filled			
87715-9300	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled	Phosphor Bronze		
87715-9302	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-9303	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled			
87715-9305	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-9306	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-9307	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled			
87715-9308	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-9920	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled			
87715-9921	2.4mm (.093")	30µ" Gold Plating	Nylon 4/6, Glass-filled			
200	87715-3909	2.4mm (.093")	15µ" Gold Plating		Nylon 4/6, Glass-filled	Phosphor Bronze
230	87715-3914	2.4mm (.093")	Gold Flash	Nylon 4/6, Glass-filled	Phosphor Bronze	
	87715-3915	2.4mm (.093")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3916	2.4mm (.093")	30µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3917	1.6mm (.062")	Gold Flash	Nylon 4/6, Glass-filled		
	87715-3918	1.6mm (.062")	15µ" Gold Plating	Nylon 4/6, Glass-filled		
	87715-3919	1.6mm (.062")	30µ" Gold Plating	Nylon 4/6, Glass-filled		



## 3.96mm (.156") Pitch Double-Sided Edge KK<sup>®</sup> Connector Terminals 4366 PC Crimp and Solder Eyelet



### Features and Benefits

- Solder loop version available
- Anti-fishhooking feature prevents terminals from snagging
- Wire barrier prevents stripped wire from entering the contact area
- Coined outside edges prevent excess scoring of the solder pad surfaces
- Patented bifurcated contact area
- Anti-overstress feature

### Reference Information

Packaging: Reel or bag  
Use With: 4338  
Designed In: Inches

### Electrical

Voltage: 250V  
Current: 5.0A  
Contact Resistance: 20 milliohms max.  
Dielectric Withstanding Voltage: 1500V  
Insulation Resistance: 50,000 Megohms min.

### Mechanical

Contact Retention to Housing: 8 lb min.  
Wire Pull-Out Force: 20 lb for 18 AWG  
(less for smaller wire)

### Physical

Contact: Brass  
Plating: See Table  
Operating Temperature: 0 to +75°C

Order No.		Crimp Wire Size	Maximum Insulation Diameter	Engineering No.	Plating	Lead-free
Reel Form	Bag Form					
08-03-0303	08-03-0304	18-20	2.79 (.110)	4366	Tin	Yes
08-05-0301	08-05-0302			4366	Gold	

[www.molex.com/product/edgcard/](http://www.molex.com/product/edgcard/)

## 3.96mm (.156") Pitch KK<sup>®</sup> Crimp Terminal 2478/2578



### Features and Benefits

- Double cantilever design
- Single beam terminal is available for low insertion force 7821 Series (contact Molex)
- For low-level current and voltage, use Gold plating
- Phosphor Bronze is recommended for rated current
- Complete line of terminal crimping equipment available (see Application Tooling section of this catalog)

### Reference Information

Product Specification: PS-08-50  
Packaging: Reel or bag  
Tooling Information: See crimp tooling section  
UL File No.: E29179  
CSA File No.: LR19980  
Use With: 2139, 3069 and 41695  
Designed In: Inches

### Electrical

Voltage: 250V AC max.  
Current: Max.

AWG	18	20	22	24	26
Phosphor Bronze	7.00A	6.25A	5.50A	5.00A	4.50A
Brass	5.00A	4.75A	4.50A	4.25A	4.00A

Contact Resistance: 6 milliohms max.  
Dielectric Withstanding Voltage: 1500V AC  
Insulation Resistance: 50K Megohms min.

### Mechanical

Contact Insertion Force: 1.8kg (4 lb) max.  
Contact Retention to Housing: 3.6kg (8 lb) min.  
Wire Pull-Out Force: 20 lb max./18 AWG  
Normal Force: 0.75kg (1.65 lb)  
Durability: 25 cycles max.

### Physical

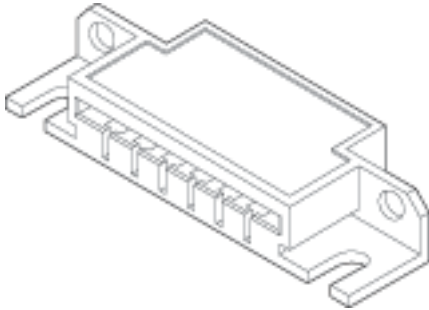
Contact: Brass or Phosphor Bronze  
Plating: See Table  
Operating Temperature: Phosphor Bronze—0 to +75°C  
Brass—0 to +50°C

Order No.						Wire Size AWG	Insulation OD	Series	Material	Lead-free
Tin Plating		Gold Plating No. 1		Gold Plating No. 2						
Reel	Bag	Reel	Bag	Reel	Bag					
08-52-0071	08-52-0072	08-58-0121	08-58-0122	08-65-0114	08-65-0115	18-20	2.79 (.110)	max. 2478	Phosphor Bronze	Yes
08-50-0105	08-50-0106	08-56-0105	08-56-0106	08-55-0103	08-55-0104	18-20	2.79 (.110)	max. 2478	Brass	
08-50-0133	08-50-0134	08-58-0125	08-58-0126	08-65-0116	08-65-0117	22-26	1.65 (.065)	max. 2578	Phosphor Bronze	
08-50-0107	08-50-0108	08-56-0107	08-56-0108	08-55-0105	08-55-0106	22-26	1.65 (.065)	max. 2578	Brass	

Recommended wire range assumes stranded wire  
Plating No. 1: 20µ" min. Gold in contact area with a flash overall  
Plating No. 2: 15µ" min. Gold in contact area only

# 3.96mm (.156") Pitch KK<sup>®</sup> Single-Sided Edge Connector Housing

## 2574 Polarized Edge Connector Housing for Crimp Terminals



### Features and Benefits

- Optional mounting flanges
- Polarization provided by structural ribs
- Uses optional bifurcated terminals
- IDC version (7241 product)
- Housing accommodates terminals for 18 to 26 AWG

### Reference Information

Packaging: Bag  
UL File No.: E29179  
Use With: 2478 and 2578 terminals  
Designed In: Inches

### Electrical

Voltage: 250V  
Current: 5.0A  
Dielectric Withstanding Voltage: 1500V AC  
Insulation Resistance: 50,000 Megohms min.

### Physical

Housing: Nylon, UL 94V-2  
Operating Temperature: 0 to +75°C  
Recommended PCB Thickness: 1.57mm (.062")

Circuits	Order No.		Center Ribs Between Circuits
	Without Flange	With Flange	
3	<a href="#">09-01-6031</a>	<a href="#">09-01-7031</a>	
4	<a href="#">09-01-6041</a>		
5	<a href="#">09-01-6051</a>	<a href="#">09-01-7051</a>	
6		<a href="#">09-01-7064</a>	
6	<a href="#">09-01-6061</a>	<a href="#">09-01-7061</a>	2 and 3
7	<a href="#">09-01-6071</a>	<a href="#">09-01-7071</a>	3 and 4
8		<a href="#">09-01-7081</a>	
8	<a href="#">09-01-6085</a>		2 and 3
8	<a href="#">09-01-6086</a>		3 and 4
8	<a href="#">09-01-6083</a>	<a href="#">09-01-7083</a>	5 and 6
9	<a href="#">09-01-6095</a>	<a href="#">09-01-7095</a>	2 and 3
9	<a href="#">09-01-6094</a>	<a href="#">09-01-7094</a>	5 and 6

Note: Use KK<sup>®</sup> terminal 2578 for 22 to 26 AWG wire, or 2478 for 18 to 24 AWG with 2.79mm (.110") diameter maximum insulation

Circuits	Order No.		Center Ribs Between Circuits
	Without Flange	With Flange	
9	<a href="#">09-01-6091</a>	<a href="#">09-01-7091</a>	3 and 4 / 5 and 6
10	<a href="#">09-01-6101</a>	<a href="#">09-01-7101</a>	4 and 5 / 7 and 8
12	<a href="#">09-01-6121</a>		5 and 6 / 8 and 9
15	<a href="#">09-01-6151</a>	<a href="#">09-01-7151</a>	4 and 5 / 7 and 8 / 11 and 12
16	<a href="#">09-01-6161</a>	<a href="#">09-01-7161</a>	4 and 5 / 7 and 8 / 11 and 12
17	<a href="#">09-01-6171</a>	<a href="#">09-01-7171</a>	5 and 6 / 10 and 11 / 14 and 15
18	<a href="#">09-01-6181</a>	<a href="#">09-01-7181</a>	5 and 6 / 10 and 11
19	<a href="#">09-01-6191</a>	<a href="#">09-01-7191</a>	4 and 5 / 7 and 8 / 11 and 12 / 15 and 16
21	<a href="#">09-01-6211</a>	<a href="#">09-01-7211</a>	5 and 6 / 10 and 11 / 15 and 16
22	<a href="#">09-01-6224</a>	<a href="#">09-01-7224</a>	5 and 6 / 11 and 12 / 16 and 17
24	<a href="#">09-01-6241</a>	<a href="#">09-01-7241</a>	4 and 5 / 8 and 9 / 12 and 13 / 16 and 17 / 20 and 21

