

FEATURES AND SPECIFICATIONS

Features and Benefits

- Crimp terminal for use in all Mini-Fit, Jr., BMI and TPA receptacle housings
- Four gas-tight points of contact
- HCS offers 3 additional amperes of current

Reference Information

Packaging: Reel or bag
Use With: 5557, 30067 and 42474 housings
Designed In: Millimeters

Electrical

Voltage: 600V

Current:

Standard—9.0A

HCS—12.0A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

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

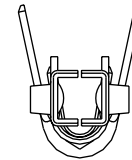
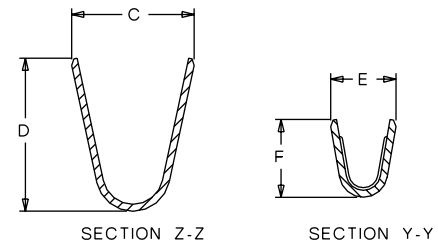
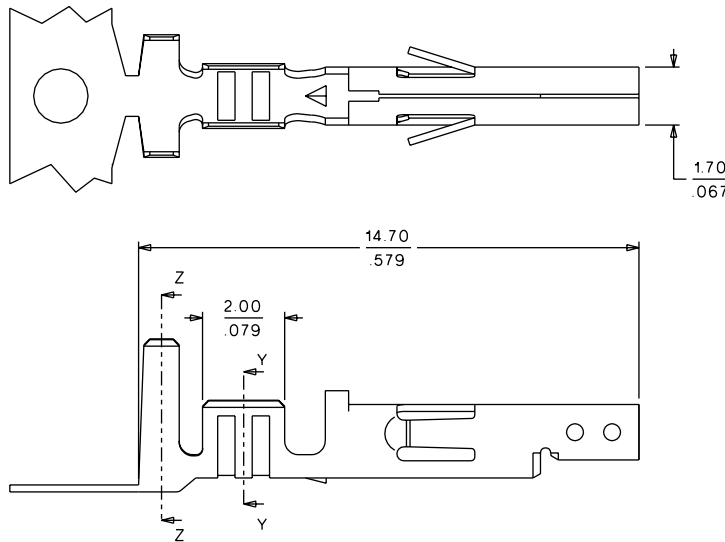
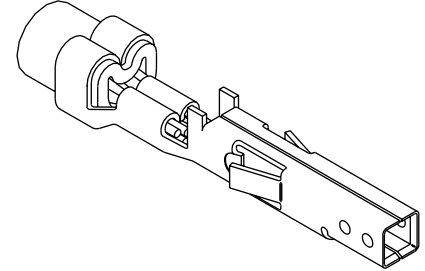
Physical

Contact: 5556—Brass or Phosphor Bronze
44476—High Copper Alloy
Plating: See Table
Temperature: -40 to 105° C
Strip Length: 3.0 (.118) to 3.5mm (.138")

molex® 4.20mm (.165") Pitch Mini-Fit™ Family Terminal

5556/44476

Crimp, Female



ORDERING INFORMATION AND DIMENSIONS

Plating	Wire Size (AWG)	Insulation Range	Order No. 5556		Order No. 44476		Dimension			
			Reel	Bag	Reel	Bag	C	D	E	F
Brass (Pre-plated Tin over Copper)	16	1.80-3.10 (.071-.122)	• 39-00-0077	• 39-00-0078			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0038	• 39-00-0039			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0046	• 39-00-0047			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass (Pre-plated Gold over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0089	• 39-00-0090			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0055	• 39-00-0056			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0085	• 39-00-0086			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass* or Copper† (Post-plated Tin over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0211*	• 39-00-0212*	44476-3111†	44476-3112†	3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0207*	• 39-00-0208*	44476-1111†	44476-1112†	3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0209*	• 39-00-0210*			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass (Post-plated Gold over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0167	• 39-00-0168			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0163	• 39-00-0164			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0165	• 39-00-0166			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Pre-plated Tin)	16	1.80-3.10 (.071-.122)	• 39-00-0079	• 39-00-0080			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0059	• 39-00-0060			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0065	• 39-00-0066			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Pre-plated Gold over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0157	• 39-00-0158			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0153	• 39-00-0154			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0155	• 39-00-0156			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Post-plated Tin over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0217	• 39-00-0218			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0213	• 39-00-0214			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0215	• 39-00-0216			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Post-plated Gold over Nickel)	16	1.80-3.10 (.071-.122)	• 39-00-0185	• 39-00-0186			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051-.122)	• 39-00-0181	• 39-00-0182			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035-.071)	• 39-00-0183	• 39-00-0184			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)

* US Standard Product, available through Molex franchised distributors

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Features and Benefits

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- Four gas-tight points of contact
- HCS offers 3 additional amperes of current

Reference Information

Packaging: Reel or bag
Use With: 5559, 42475 and 30068 housings

Electrical

Voltage: 600V

Current:

Standard—9.0A

HCS—12.0A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1500V

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

Contact: 5558—Brass or Phosphor Bronze

44478—High Copper Alloy

Plating: See Table

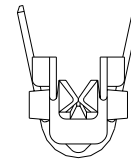
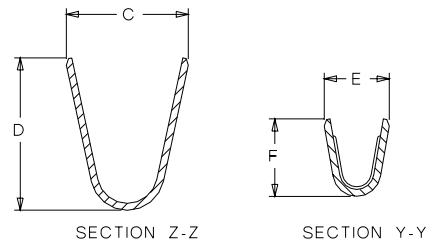
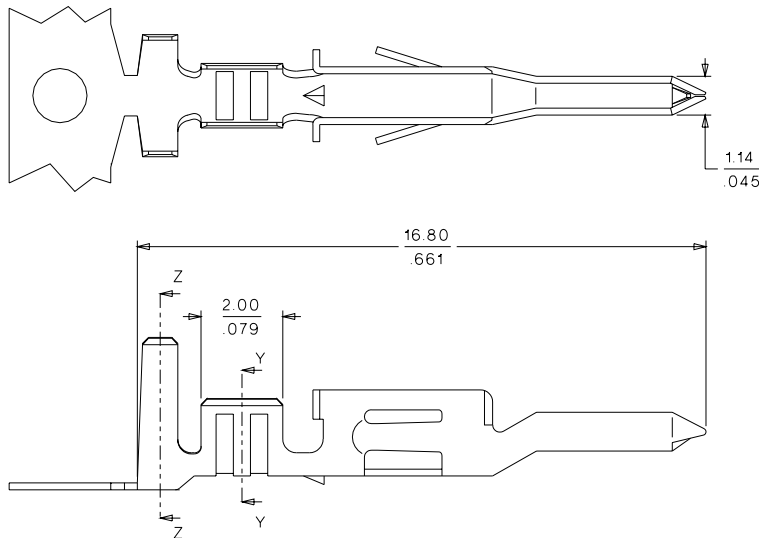
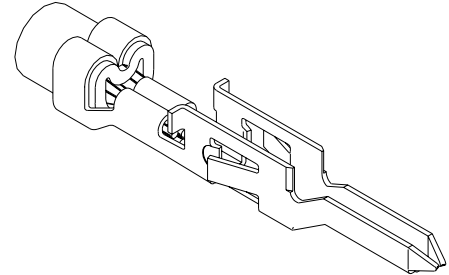
Temperature: -40 to +105°C

Strip Length: 3.0 (.118) to 3.5mm (.138") max.

molex® 4.20mm (.165") Pitch Mini-Fit™ Family Terminal

5558/44478

Crimp, Male



ORDERING INFORMATION AND DIMENSIONS

Plating	Wire Size (AWG)	Order No. 5558		Order No. 44478		Dimension			
		Reel	Bag	Reel	Bag	C	D	E	F
Brass (Pre-plated Tin over Copper)	16	• 39-00-0081	• 39-00-0082			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0040	• 39-00-0041			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0048	• 39-00-0049			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass (Pre-plated Gold over Nickel)	16					3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24					3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28					2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass* or Copper† (Post-plated Tin over Nickel)	16	• 39-00-0124*	• 39-00-0125*			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0120*	• 39-00-0121*	44478-3111†	44478-3112†	3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0122*	• 39-00-0123*	44478-1111†	44478-1112†	2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Brass (Post-plated Gold over Nickel)	16	• 39-00-0095	• 39-00-0096			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0053	• 39-00-0054			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0087	• 39-00-0088			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Pre-plated Tin)	16	• 39-00-0083	• 39-00-0084			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0061	• 39-00-0062			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0067	• 39-00-0068			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Pre-plated Gold over Nickel)	16					3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24					3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28					2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Post-plated Tin over Nickel)	16	• 39-00-0130	• 39-00-0131			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0126	• 39-00-0127			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0128	• 39-00-0129			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)
Phosphor Bronze (Post-plated Gold over Nickel)	16	• 39-00-0223	• 39-00-0224			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	• 39-00-0219	• 39-00-0220			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	• 39-00-0221	• 39-00-0222			2.30 (.091)	2.30 (.091)	1.80 (.071)	1.65 (.065)

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