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 on Tin-plated contacts
- HCS offers 3 additional amperes of current

Reference Information

Packaging: Reel or bag

Use With: <u>5557</u>, <u>30067</u> and <u>42474</u> housings

Designed In: Millimeters

Electrical

Voltage: 600V **Current:**

 $Standard \underline{\hspace{1cm}} 9.0A$ HCS-12.0A

Contact Resistance: $10m\Omega$ max. Dielectric Withstanding Voltage: 1500V Insulation Resistance: $1000 \text{ M}\Omega$ 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

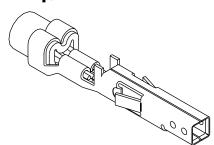
*Plating: See Table

Operating Temperature: -40 to 105° C Strip Length: 3.0 (.118) to 3.5mm (.138")

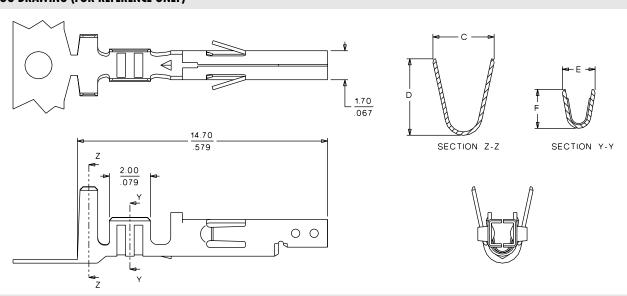
4.20mm (.165") Pitch Mini-Fit[™] Family **Terminal**

5556/44476

Crimp, Female



CATALOG DRAWING (FOR REFERENCE ONLY)



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 (.071122)	• 39-00-0077	• 39-00-0078		,	3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0038	• 39-00-0039			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 39-00-0089	• 39-00-0090			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0055	• 39-00-0056			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 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 (.051122)	• 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 (.035071)	• 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 (.071122)	• 39-00-0167	• 39-00-0168			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0163	• 39-00-0164			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 39-00-0079	• 39-00-0080			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0059	• 39-00-0060			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 39-00-0157	• 39-00-0158			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0153	• 39-00-0154			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 39-00-0217	• 39-00-0218			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0213	• 39-00-0214			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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 (.071122)	• 39-00-0185	• 39-00-0186			3.60 (.142)	4.50 (.177)	2.30 (.091)	2.70 (.106)
	18-24	1.30-3.10 (.051122)	• 39-00-0181	• 39-00-0182			3.60 (.142)	4.50 (.177)	1.90 (.075)	2.30 (.091)
	22-28	0.90-1.80 (.035071)	• 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

^{*} Tin-plated terminals have 4 points of contact. Gold plated terminals have 2 points of contact.