

Distributed by:



www.Jameco.com ♦ 1-800-831-4242

The content and copyrights of the attached
material are the property of its owner.

Jameco Part Number 304670

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: [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

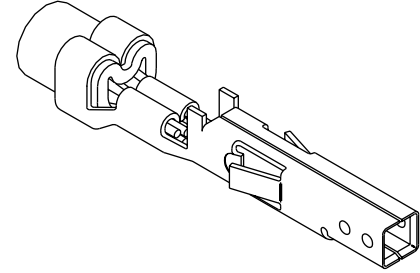
Contact: 5556—Brass or Phosphor Bronze
44476—High Copper Alloy
*Plating: See Table
Operating Temperature: -40 to 105° C
Strip Length: 3.0 (.118) to 3.5mm (.138")



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

5556/44476

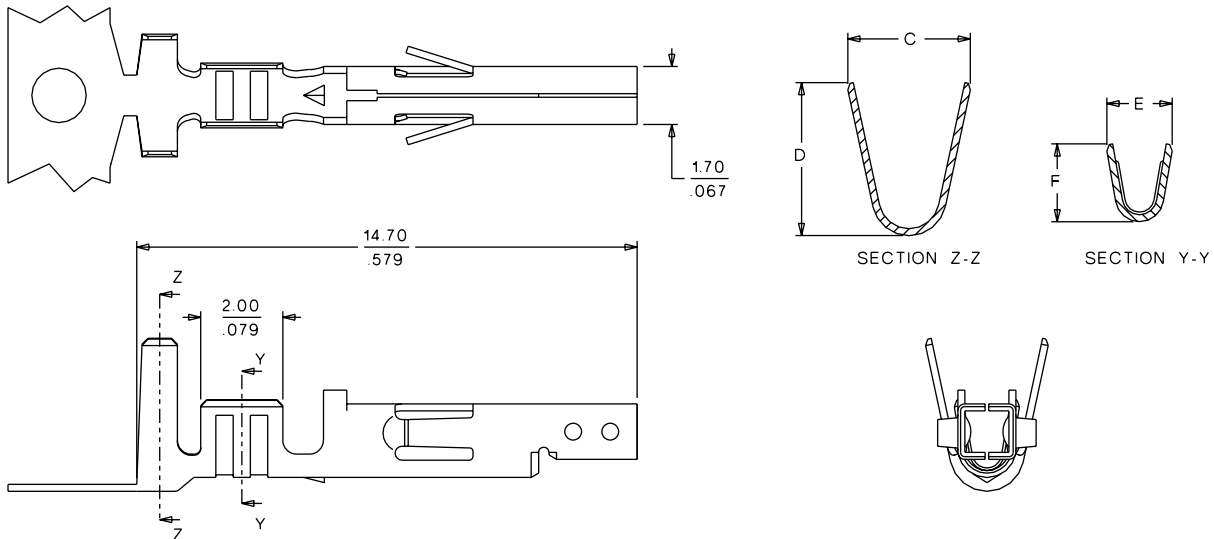
Crimp, Female



Power Connectors

F

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 (.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

† 18 to 20 AWG

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

ITEM NO.	FORM	WIRE GAGE	QUANTITY PER REEL	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"	DIM. "G"
44476-1111	CHAIN	18-20 GA.	4,000	.142±.012 (3.60±0.30)	.177±.016 (4.50±0.40)	.035 (0.90)	.075±.012 (1.90±0.30)	.091±.016 (2.30±0.40)	.020 (0.50)
44476-1112	LOOSE			.142±.012 (3.60±0.30)	.177±.016 (4.50±0.40)	.035 (0.90)	.075±.012 (1.90±0.30)	.091±.016 (2.30±0.40)	.020 (0.50)
44476-3111	CHAIN	16 GA.	4,000	.142±.012 (3.60±0.30)	.177±.016 (4.50±0.40)	.035 (0.90)	.091±.012 (2.30±0.30)	.106±.016 (2.70±0.40)	.024 (0.60)
44476-3112	LOOSE			.142±.012 (3.60±0.30)	.177±.016 (4.50±0.40)	.035 (0.90)	.091±.012 (2.30±0.30)	.106±.016 (2.70±0.40)	.024 (0.60)

NOTES:

- PART DESIGNED IN METRIC.
- TERMINAL FOR USE WITH 5557, 30067 & 42474 SERIES HOUSINGS.
- MATES WITH 44478 MALE TERMINAL AND 43810, 44068, 44472, 44473, 44474, 42404, 5569 AND 30070 SERIES CONNECTORS.
- MATERIAL: ALLOY C197, .0008/(.203) THICK.
- FINISH:
 - *1 = POSTPLATE .000100/(.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL.
 - *THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
- ITEM NUMBERS PRECEDED BY AN "X" IN THE CHART ARE NOT AVAILABLE.
- PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: SEE PS-44476-001.

LEGEND:

44476 - * * | *

BASE NO. _____

WIRE GAGE _____

1 = 18-20 AWG

3 = 16 AWG

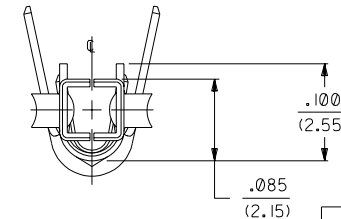
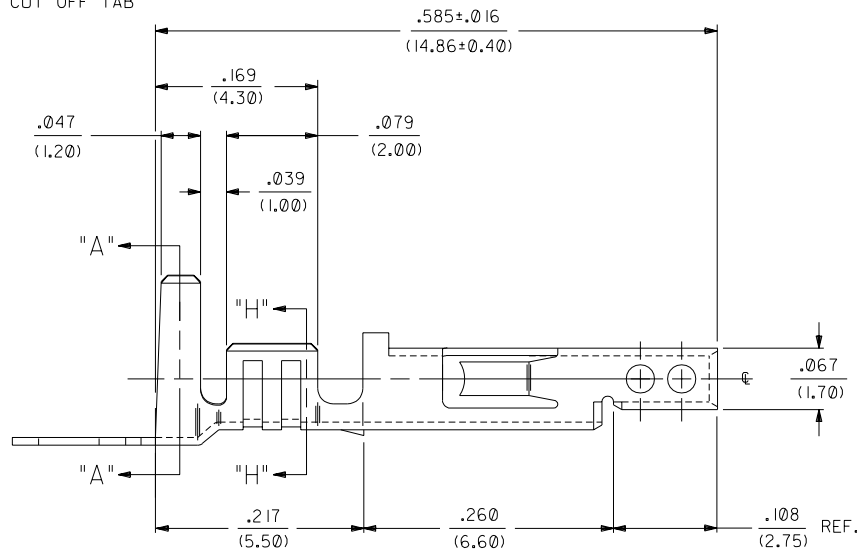
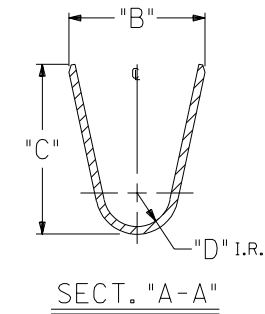
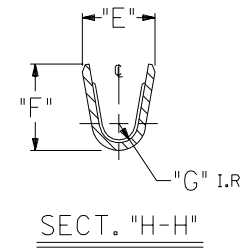
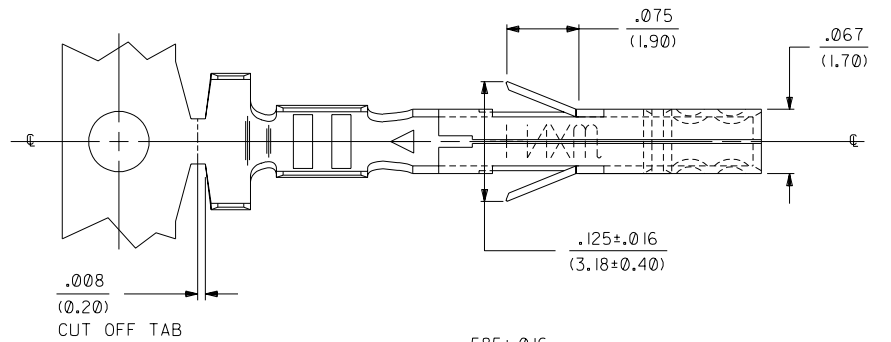
PLATING _____

SEE NOTE 5

CHAIN OR LOOSE _____

*1 = CHAIN

*2 = LOOSE



D	REMOVED TIN-LEAD ECN *UCP2004-1821 MSC. 04/03/19
C1	REVISED NOTE 3 UCP2003-2432 CSTEWART,03/05/21
C	REVISED UCR2002-0222 01/09/06 BANDURA
B2	REVISED PER ECN* U70887 WANG 97/2/5
B1	REVISED PER ECN* U70469 96/10/23 JWANG
B	REVISED PER ECN* U70212 96/08/27 JWANG
A2	REVISED PER ECN* U61520 96/06/04 MAB
A1	REV. 24WAG. TO 20 ECN U60135 95-08-03 A.GUZIK
A	FINAL RELEASE ECN U51222 95-06-06 A.GUZIK
2	REMOVE 14 GA. WIRE ECN U51168 95-05-19 A.GUZIK
1	*X* REL PER ECN U40840 GEP 7-21-94

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	
3 PLACE	± .010	---	---
2 PLACE	± .014	± .025	---
1 PLACE	---	± .036	---
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY GEP	CHK'D. BY RJF	SCALE 10:1	
FILE NAME 544476X1 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

MFG. SH. REV. LTR.		REVISIONS	
TITLE		TERM., FEMALE, CRIMP, MINI-FIT H.C.S. SERIES, BLANK-PLATE-FORM	
PART NO.		SD-44476-*****	
MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 1 OF 1	
DATE 9/14/92			