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ELECTRONICS

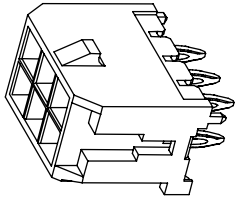
www.Jameco.com ♦ 1-800-831-4242

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Jameco Part Number 1959441

3.00mm (.118") Pitch Micro-Fit CPI™ Wire-to-Board Header

44914
Dual Row, Vertical



Features and Benefits

- Solderless board connection
- 2 to 24 circuits for design flexibility
- Fully isolated contacts prevent terminal damage
- Fully polarized to prevent mismatching

Reference Information

Product Specification: PS-43045
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980A
TUV File No.: R72040445
Mates With: 43025
Designed In: Millimeters

Electrical

Voltage: 250V
Current: 5.0A max.
Contact Resistance: 100 milliohms max.
Dielectric Withstanding Voltage: 1500V AC

Mechanical

Insertion Force to PCB: 10.9kgf max. (24 lbf) per terminal
Retention Force to PCB: 3.6kgf max. (8lbf) per terminal
Durability: 30 cycles

Physical

Housing: High-temperature LCP, UL 94V-0
Contact: Brass
Plating: Contact Area—Tin or Gold
Solder Tail Area—Tin or Tin/Lead
Underplating—Nickel
PCB Thickness: 2.34mm (.092") min.
Operating Temperature: -40 to +105°C

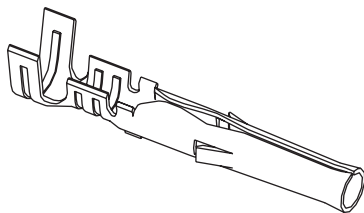
Circuits	Order No.			Lead-free
	Tin	15µ" Gold	30µ" Gold	
2	44914-0201	44914-5202	44914-5203	Yes
4	44914-0401	44914-5402	44914-5403	
6	44914-0601	44914-5602	44914-5603	
8	44914-0801	44914-5802	44914-5803	
10	44914-1001	44914-6002	44914-6003	
12	44914-1201	44914-6202	44914-6203	
14	44914-1401	44914-6402	44914-6403	
16	44914-1601	44914-6602	44914-6603	
18	44914-1801	44914-6802	44914-6803	
20	44914-2001	44914-7002	44914-7003	
22	44914-2201	44914-7202	44914-7203	
24	44914-2401	44914-7402	44914-7403	

Circuits	Order No.		Lead-free
	15µ" Gold	30µ" Gold	
2	44914-0202	44914-0203	No
4	44914-0402	44914-0403	
6	44914-0602	44914-0603	
8	44914-0802	44914-0803	
10	44914-1002	44914-1003	
12	44914-1202	44914-1203	
14	44914-1402	44914-1403	
16	44914-1602	44914-1603	
18	44914-1802	44914-1803	
20	44914-2002	44914-2003	
22	44914-2202	44914-2203	
24	44914-2402	44914-2403	

www.molex.com/product/pcb/microfit/microfit.html

1.57mm (.062") Pin Diameter .062" Pin and Socket Female Terminals

Standard .062"



Features and Benefits

- Available in Tin or Gold platings
- Available in Brass or Phosphor Bronze base materials
- Accommodates 18 to 30 gauge wire

Reference Information

Packaging: Bag or reel
UL File No.: E29179
CSA File No.: LR19980
Designed In: Inches

Electrical

Contact Resistance: 3.2 milliohms max.
Current: 5.0A

Mechanical

Contact Insertion Force: 15.75N max.
Durability: Tin—25 cycles max.
Gold—50 cycles max.

Physical

Contact: Brass or Phosphor Bronze
Plating: Tin or Gold
Operating Temperature: -40 to +105°C

Type	Plating	Crimp Wire Size	Insulation Diameter	Series	Order No.		Lead-free
					Chain	Loose	
Standard Brass .008"	Tin	18-24	1.52/3.05 (.060/.120)	1561	02-06-1101	02-06-1103	Yes
		24-30	1.02/2.29 (.040/.090)	1855	02-06-1131	02-06-1132	
	15µ" Gold	18-24	1.52/3.05 (.060/.120)	1561	02-06-5100	02-06-5103	
		24-30	1.02/2.29 (.040/.090)	1855	02-06-5130	02-06-5135	
	30µ" Gold	18-24	1.52/3.05 (.060/.120)	1561	02-06-5101	02-06-5102	
		24-30	1.02/2.29 (.040/.090)	1855	02-06-5138	02-06-5139	
	30µ" Gold Contact Tin Crimp	18-24	1.52/3.05 (.060/.120)	1561	02-06-5108	02-06-5109	
		24-30	1.02/2.29 (.040/.090)	1855	02-06-5147	02-06-5148	
Phos-Bronze	Tin .006"	18-24	1.52/3.05 (.060/.120)	4529	02-06-1104	02-06-1105	
		18-24	1.52/3.05 (.060/.120)	1787	02-06-1201	02-06-1202	
	Tin .008"	18-24	1.52/3.05 (.060/.120)	2189	02-06-1231	02-06-1232	
		18-24	1.52/3.05 (.060/.120)	4529	02-06-5207	02-06-5208	
	.006" Gold (15µ") .008" Gold (15µ")	18-24	1.52/3.05 (.060/.120)	1787	02-06-5201	02-06-5202	
				1779		02-06-7103	
.008" PC Tail Brass for Standard .062" Housings Only	Tin			1779		02-06-7104	

Note: .006 Phosphor Bronze stock recommended for versions 15 circuits and larger

PART NO. ENG. NO.

02-06-1201 1787-(P901)
02-06-1202 1787-(P901)L
02-06-5205 1787-(P591)
02-06-5206 1787-(P591)L
02-06-5201 1787-(P550)
02-06-5202 1787-(P550)L

OBSOLETE

OBSOLETE

LEGEND

1787-(****)*

P=PREPLATE
BLANK=POSTPLATE

FINISH CODE

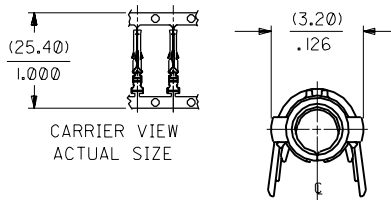
FORM
BLANK=CHAIN
L=LOOSE

NOTES:

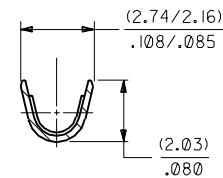
1. TERMINAL FOR USE WITH (1.57)/.062 DIA. SERIES HOUSINGS AND WILL ACCEPT 18 THRU 24 AWG WIRE WITH (1.52/3.05)/.060/.120 INSULATION DIA.
2. THIS PART CONFORMS TO PRODUCT SPEC. 02-06.

FINISH CODES:

- 901 HOT TIN DIP (.00051)/.000020 MIN.
591 SELECT GOLD PLATE (.00127)/.000050 MIN. IN CONTACT AREA, OVER (.00127)/.000050 MIN. NICKEL OVERALL WITH (.00025)/.000010 MAX. GOLD FLASH OVERALL.
550 SELECT GOLD PLATE (.00038)/.000015 MIN. IN CONTACT AREA, OVER (.00076)/.000030 MIN. NICKEL OVERALL WITH (.00025)/.000010 MAX. GOLD FLASH OVERALL.

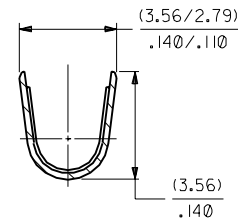


CARRIER VIEW
ACTUAL SIZE



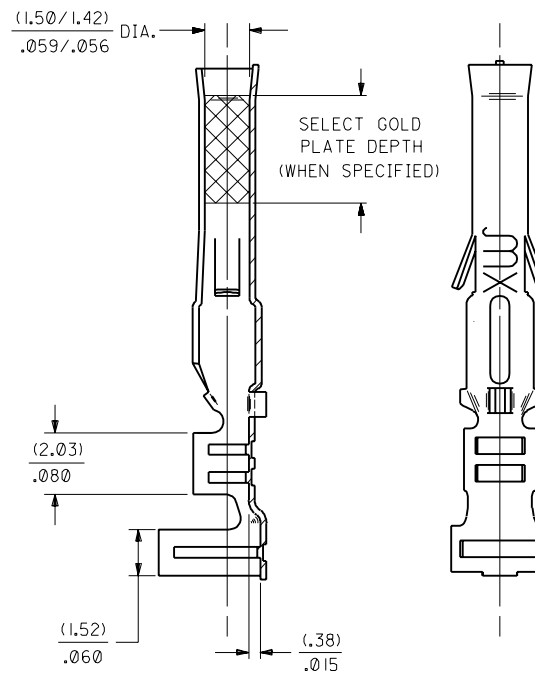
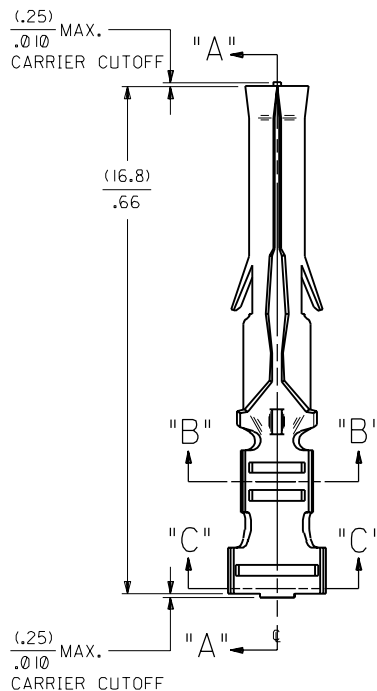
SECT. "B-B"

SCALE: 10X



SECT. "C-C"

SCALE: 10X



SECT. "A-A"

MATERIAL NOTE:

PHOSPHOR BRONZE, ALLOY *C51000,
(.20)/.008 THICK, SPING TEMPER.

DIMENSIONS SHOWN (METRIC) INCH		UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°	
INCH		METRIC	
3 PLACE	± .010	---	
2 PLACE	± .014	± 0.25	
1 PLACE	---	± 0.35	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
DRWG. BY	GEP	CHK'D BY	RW
APP'D BY	RAS	SCALE	8 : 1
FILE NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	
SD1787X1		CP	
MOLEX INCORPORATED		SHEET NO. 1 OF 1	
L15LEJLL 60532		DATE 9/17/87	
PART NO.		DRWG. NO.	
SEE CHART		SD-1787-*	

AN	OBSOLETE P/N UCR2002-0270 COMERC 01/9/27
AMI	OBSOLETE -IP5501 & -IP5501L ECR U6 0358 CXC 9/15/95 RW
AM	REV. AND REDRAWN PER ECR 10312 GEP 6-17-87 RW

MFG.	SH.	REV.	LTR.	REVISIONS

REVISIONS

CRIMP TERMINAL, FEMALE
(1.57)/.062 DIA., PHOS. BRONZE
FOR 18 THRU 24 GA. WIRE