Wire-to-Board, .100 [2.54] Centerline Products

Wire Sizes

Wire Size		Product Family
AWG	[mm²]	
20	0.5-0.6	Locking Clip, Mod. IV, IV.v, V, MT, Short Point
22-30	0.3-0.05	Locking Clip, Mod. IV, IV.v, V, MTE, MT, Short Point
32	0.03	Mod. IV, IV.v, V, Short Point

Contact Platings

Platings	Product Family
.000015 [0.00038] Gold	Mod. IV, IV.v, V, MTE, MT, Short Point
.000030 [0.00076] Gold	Locking Clip, Mod. IV, IV.v, V, MTE, MT, Short Point
.000050 [0.00127] Gold	Locking Clip, Mod. IV, IV.v, V, MT
Tin	Locking Clip, Mod. IV, IV.v, V, MTE, MT, Short Point

Mating Post Lengths

Post Lengths	Product Family
.210-.283 [5.33-7.19]	Mod. IV (**.600** [15.24] Profile Height)
.205-.283 [5.21-7.19]	Mod. IV.v (**.600** [15.24] Profile Height)
.185-.283 [4.70-7.19]	Mod. V (**.600** [15.24] Profile Height)
.256-.323 [6.50-8.20]	Mod. IV (**.645** [16.38] Profile Height)
.251-.323 [6.38-8.20]	Mod. IV.v (**.645** [16.38] Profile Height)
.231-.323 [5.87-8.20]	Mod. V (**.645** [16.38] Profile Height)
.222-.273 [5.64-6.93]	MT Assembly with Standard Pressure Contacts
.200-.273 [5.08-6.93]	MT Assembly with High Pressure Contacts
.200-.250 [5.08-6.35]	MTE Assembly
.169-.259 [4.29-6.58]	Short Point Connector Assembly
.273-.350 [6.93-8.89]	Locking Clip (Connector Assembly)
.200-.277 [5.08-7.04]	Locking Clip (Single Contact)

Application Tooling

Application Tooling Description	Product Family					
	Mod. IV, IV.v, V	MT	Locking Clip	MTE	Short Point	Level V
Manual Hand Tools (Wire Crimp)	•		•	•	•	
Manual Hand Tools (IDC)		•		•		•
AMP-O-MATIC Stripper/Crimper Machines with Applicator	•		•		•	
CHAMPOMATOR Model 2.5 Machine		•				•
CHAMPOMATOR Model 3A Machine		•				
AMP-O-LECTRIC Machines with Applicator	•		•		•	
Pneumatic Hand Tools	•	•	•	•	•	•
IDC Electric Power Unit				•		
Tube-Fed Ribbon Cable Machine				•		
AMPOMATOR CLS Machines	•		•		•	
Discrete Wire Machine		•				•
Manual Arbor Tool		•				•
Pneumatic Arbor Tool		•				•

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Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Board-to-Board Solutions Guide, .100 [2.54] Centerline Products

Problem or Concern	Tyco Electronics' Potential Solution	Single-Row Vertical Headers and Receptacles (Page Ref.)	Single-Row Right-Angle Headers, Horizontal Receptacles (Page Ref.)	Double-Row Vertical Headers and Receptacles (Page Ref.)	Double-Row Right-Angle Headers, Horizontal Receptacles (Page Ref.)
Headers Float Off Board Soldering Operation	**HEADERS** Retention Feature:				
	Unshrouded	102	103	198	199
	Shrouded	—	—	104, 199	105, 200
Header Contacts Damaged During Manufacturing Operation or In-Field Use	Shrouded **HEADERS:** Standard Profile	115	116	117-121	122-128
Board/Backplane Requires High Temperature Surface-Mount Compatibility	Press-Fit ACTION PIN POST **HEADERS:**				
	Unshrouded	146	—	147	—
	Shrouded	—	—	148, 149, 199	—
	Machine Applied Posts	163, 164			
	Surface-Mount Compatible Thru-Hole: **HEADERS:**				
	Unshrouded	102*	103*	104*	105*
	Shrouded (Low Profile)	—	—	130*, 137*	138*
	RECEPTACLES	—	—	196*	195*
	Surface-Mount:				
	HEADERS	109*	—	110	—
	RECEPTACLES	187, 188	172	189-192	173
Application Requires Board Guidance, Polarization and/or Blind-Mate Capability	Two-Piece Family: w/Guide Posts:				
	HEADERS	—	—	198, 199	200
	RECEPTACLES	—	—	196*	195*
Reduction in Parallel Board-to-Board Stack Height Necessary (Refer to Parallel Stack Guide on Page 62.)	Mod IV Low Profile **RECEPTACLES:**				
	TOP ENTRY:				
	Thru-Hole	178	—	179, 180*	—
	Surface-Mount	—	—	—	—
	BOTTOM ENTRY:				
	Thru-Hole	177	—	—	—
	Surface-Mount	—	—	—	—
	DUAL ENTRY				
	Thru-Hole	181	—	182-184	—
	Surface Mount	187, 188	—	189-192	—
Soldering Problems with Thru-Hole Bottom Entry Receptacles (Must Mask Post Holes in Board During Soldering Operation)	**RECEPTACLES:** Bottom Entry Outrigger (Separate Holes for Receptacle Leads and Mating Leads)	181	—	182	—
Application Requires Connectors to be End-to-End Stackable on .100 [2.54] Grid	End-to-End Stackable:				
	HEADERS (Unshrouded):				
	Thru-Hole	93, 102	94, 95, 103*	96, 97, 104*	98. 99. 105
	Thru-Hole*	102*	103*	104*	108*
	Surface-Mount	109*	—	110*	—
	RECEPTACLES:				
	Thru-Hole	175, 177, 178, 181	169*	176, 179, 180*, 182*, 183, 184	170
	Surface Mount	188	172	191, 192	173

***High temperature compatible version, refer to page ref. listed.**

Wire-to-Board Solutions Guide, .100 [2.54] Centerline Products

Customer Requirement	Tyco Electronics' Potential Solution	Catalog Page(s)
Application Requires Guidance, Polarization	Mod IV Polarized Housing	220
	MTE Latched Receptacle and Header	230, 231, 244-250
	MT with Polarizing Covers	256-258
	Short Point Polarized Housing	224
Wire-to-Wire Application	Mod IV Receptacle Contacts and Pins	211-213
Wire-to-Wire Application (Latched)	MTE Latched Receptacle and Shrouded Pin Assembly	230, 231, 236, 237
Wire-to-Wire Application (Through Panel)	MTE Panel Mount	242
High Vibration and Shock Applications	Locking Clip Contacts and Housings	207-209
Printed Circuit Board Polarization	MTE Header with PC Board Orientation Peg	248, 249
Board Requires Surface Mount Capability	MTE Surface Mount Headers	251, 252
	MTE High Temperature Compatible Headers	249, 250
Need to mate to AMP-LATCH Eject Headers	Mod IV Ejection Housing	220
Need to Minimize Strain to Cable	MT with Eject Covers	256-259
	Mod IV Housing with Strain Relief	218, 219
Application Requires Self-Retaining Contacts	Locking Clip Contacts	207, 298
Header Secured to Board During/Prior to Soldering	MTE Headers with Post Retention or Holddowns	244-250
Mate to Unshrouded Header with Retention Requirements	Mod IV plain Housing with Mod V Contacts	213, 214, 216
	MTE with High Pressure Contacts	234, 235
Multiple Cables to be Common to One Header	MTE Coupling Shroud, Double- or Single-Row	240, 241
Right-Angle Cable Dress	MT with Hermaphroditic Covers	229, 256, 257, 259
Application Requires Crimp Contacts and MTE Housings	Short Point Contacts	222
Housings and End-to-End and Side-to-Side Stackable	Short Point Double-Row Housing, MTE Plain Housing	223, 228, 229
Connector Must Mate to Post Lengths of .169 [4.29] Min.	Short Point Contacts	222

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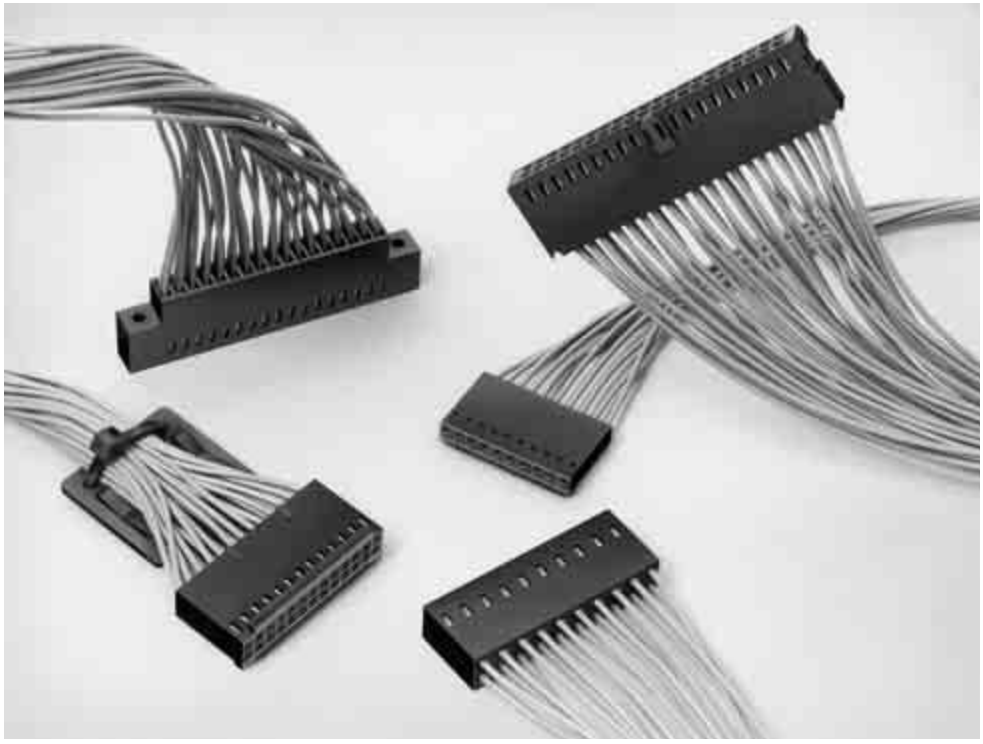
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Canada: 1-905-470-4425
Mexico: 01-800-733-8926
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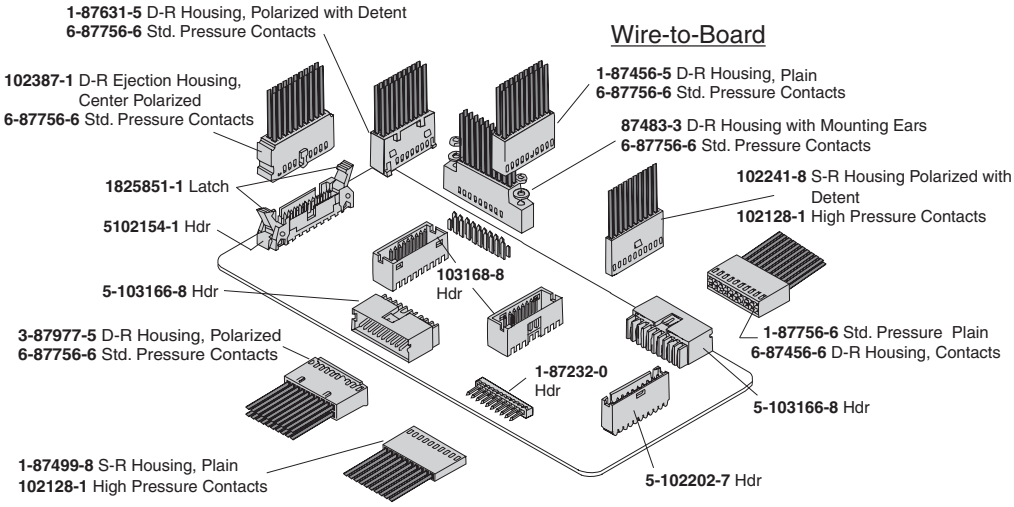
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Contacts and Housings

Product Facts

- **Terminates 32-20 AWG [0.03-0.6mm²] discrete wire**
- **Contacts have insulation support**
- **Choice of three contact mating pressures**
- **Available in a variety of gold and tin platings**
- **Receptacles mate with .025 [0.64] square or round posts**
- **Dual cantilever contact beam with built-in anti-overstress feature for reliable matings**
- **Housings accept a variety of receptacle and pin contacts**
- **Housing sizes range up to 100 positions**
- **Housing configurations include single- and double-rows on .100 [2.54] centerlines**
- **Housing options include detent latching, polarization and bonded strain relief/ pull tabs**
- **Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476**
- **Certified by Canadian Standards Association, File No. LR 7189**





Performance Characteristics

Contact Current Rating — 3 amperes

Termination Resistance — 12 milliohms (max.) — Beryllium copper contacts

20 milliohms (max.) — Copper-tin-phosphor bronze contacts

Durability — Ref. Product Specification 108-25020

Note: All part numbers are RoHS compliant.

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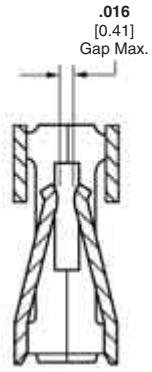
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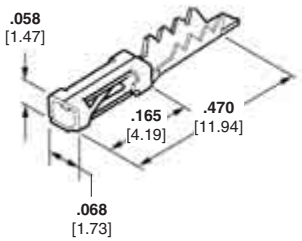
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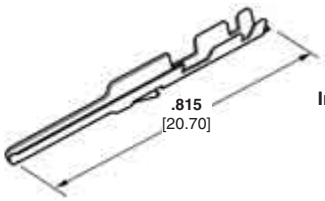
Mod IV Pin and Receptacle Contacts

Crimp Snap-In (No-strip) Receptacles and Crimp Snap-In Pins with Insulation Support (Standard Pressure)



Standard Pressure Configuration





Crimp Snap-In (No-strip) Receptacles

Ins. Dia. Range	Finish	Part Nos.		Heavy Duty Miniature Applicator No. for AMP-O-LECTRIC Machine*	Hand Tool Part No.
		Strip Form	Loose Piece		
.040-.055 [1.02-1.40]	Plating A	87107-5	102348-2	567307-2	90381-1
	Plating C	87107-6	102348-3		

Crimp Snap-In Pins with Insulation Support

Wire Size Range		Ins. Dia. (Max.)	Finish	Part Nos.		Heavy Duty Miniature Applicator No. for AMP-O-LECTRIC Machine*	Hand Tool Part No.	
AWG	[mm²]			Strip Form	Loose Piece		Premium	Commercial
26-22	0.12-0.4	**.061** [1.55]	Plating A	102095-3	102107-2	466812-2	91517-1	58641-1†
			Plating B	102095-2	102107-1			
			Plating C	5-102095-4	5-102107-3			

*For use with AMP-O-LECTRIC Model "K" machines. Call the Technical Support Center (1-800-522-6752) for part nos. of applicators for use with the AMP-O-LECTRIC Model "G" machines (shown on page 270), as well as other bench machines and fully automatic AMPOMATOR lead making machines.
†PRO-CRIMPER II hand tool frame with die set assembly.
Die Set Part No. 58641-2

Material and Finish

Beryllium copper, phosphor bronze, or copper-tin-phosphor bronze (see charts), plated as follows:

Plating A — Selectively plated .000030 [0.00076] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire contact

Plating B — Selectively plated .000015 [0.00038] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire contact

Plating C — .000100-.000200 [0.00254-0.00508] tin over .000030 [0.00076] nickel on entire contact

Related Product Data

Housings Used With — pages 214-220

Performance Characteristics — page 210

Application Tooling — page 270-272

Technical Documents — pages 276-278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016

Additional header sizes are available; minimum order quantities may apply. Consult Tyco Electronics.

Note: All part numbers are RoHS compliant.

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Mod IV Receptacle Contacts

Crimp Snap-In Receptacles with Insulation Support (Standard, Intermediate and High Pressure)

Material and Finish

Beryllium copper, phosphor bronze or copper-tin-phosphor bronze (see charts, on following page), plated as follows:

Plating A — Duplex plated .000030 [0.00076] gold on contact area, .000100-.000200 [0.00254-0.00508] tin on crimp area, with entire contact underplated .000050 [0.00127] nickel

Plating B — Duplex plated .000015 [0.00038] gold on contact area, .000100-.000200 [0.00254-0.00508] tin on crimp area, with entire contact underplated .000050 [0.00127] nickel

Plating D — Selectively plated .000050 [0.00127] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire contact

Plating E — Selectively plated .000030 [0.00076] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire contact

Plating F — Selectively plated .000015 [0.00038] gold on contact area, with gold flash over .000050 [0.00127] nickel on entire contact

Plating G — .000100-.000200 [0.00254-0.00508] tin over .000030 [0.00076] nickel on entire contact

Related Product Data

Housings Used With — pages 214-220

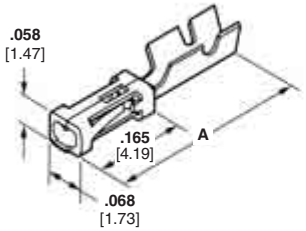
Performance Characteristics — page 210

Application Tooling — pages 270-272

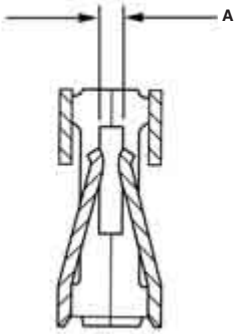
Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

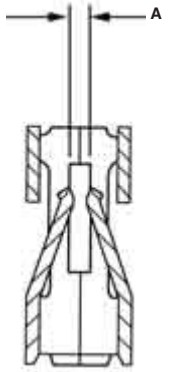
Application Specification
114-25003, 114-25016



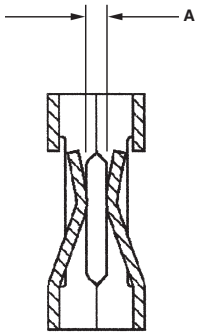
Standard Pressure



Intermediate Pressure



High Pressure



	Mating Force	Unmating Force	A-Gap Dimension
Standard Pressure	9 oz. Max.	1.5 oz. Min.	.008/.014
Intermediate Pressure	16 oz. Max.	2 oz. Min.	.008/.014
High Pressure	20 oz. Max.	3 oz. Min.	.013±.002

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Mod IV Receptacle Contacts (Continued)

Standard Pressure (Mod IV)

Wire Size Range AWG	Wire Size Range [mm²]	Ins. Dia. (Max.)	Dimension A	Material	Finish	Part Nos. Strip Form	Part Nos. Loose Piece	Heavy Duty Miniature Applicator for AMP-O-LECTRIC Machine*	Applicator for Stripper/ Crimper Machine	Hand Tool Part Nos. Premium	Hand Tool Part Nos. Commercial
32-27	0.03-0.1	**.040** [1.02]	**.445** [11.30]	Cu-Sn-Ph Bz	Plating A	5-102316-8	6-102316-4	466655-2	466921-1	91541-1	—
				Cu-Sn-Ph Bz	Plating B	5-102316-6	6-102316-3				
				Be Cu	Plating D	1-102917-1	1-102917-2				
				Be Cu	Plating E	102917-1	102917-2				
				Be Cu	Plating F	102917-5	102917-6				
				Cu-Sn-Ph Bz	Plating G	102316-5	1-102316-2				
26-22	0.12-0.4	**.061** [1.55]	**.445** [11.30]	Cu-Sn-Ph Bz	Plating A	6-87756-7	6-87756-8	466571-2	466918-1	91517-1	58641-1†
				Cu-Sn-Ph Bz	Plating B	6-87756-2	6-87756-6				
				Cu-Sn-Ph Br	Plating G	87756-6	87756-7				
				Be Cu	Plating D	1-87666-6	87667-5				
				Be Cu	Plating E	87666-2	87667-2				
				Be Cu	Plating F	87666-5	87667-5				
				Be Cu	Plating G	87666-3	87667-3				
24-20	0.2-0.6	**.069** [1.75]	**.470** [11.94]	Cu-Sn-Ph Bz	Plating A	6-87523-8	6-87523-9	466562-2	466905-1	91516-1	—
				Cu-Sn-Ph Bz	Plating B	2-87523-3	2-87523-4				
				Be Cu	Plating E	85969-8	86016-2				
				Be Cu	Plating F	85969-6	86016-5				
				Cu-Sn-Ph Br	Plating G	87523-5	87523-6				
				Be Cu	Plating G	85969-9	86016-3				

Intermediate Pressure (Mod IV.v)

Wire Size Range AWG	Wire Size Range [mm²]	Ins. Dia. (Max.)	Dimension A	Material	Finish	Part Nos. Strip Form	Part Nos. Loose Piece	Heavy Duty Miniature Applicator for AMP-O-LECTRIC Machine*	Applicator for Stripper/ Crimper Machine	Hand Tool Part Nos. Premium	Hand Tool Part Nos. Commercial
32-27	0.03-0.1	**.040** [1.02]	**.445** [11.30]	Cu-Sn-Ph Bz	Plating A	5-102920-1	5-102920-2	466655-2	466921-1	91541-1	—
				Be Cu	Plating E	102918-1	102918-2				
26-22	0.12-0.4	**.061** [1.55]	**.445** [11.30]	Cu-Sn-Ph Bz	Plating A	5-103171-4	5-103171-5	466571-2	466918-1	91517-1	58641-1†
				Cu-Sn-Ph Bz	Plating B	5-103171-1	5-103171-2				
				Be Cu	Plating E	102548-5	102548-6				
				Be Cu	Plating F	102548-1	102548-3				
24-20	0.2-0.6	**.069** [1.75]	**.470** [11.94]	Cu-Sn-Ph Bz	Plating A	2-87195-3	2-87195-6	466562-2	466905-1	91516-1	—
				Cu-Sn-Ph Bz	Plating B	2-87195-4	2-87195-5				
				Be Cu	Plating E	86492-6	87046-3				
				Be Cu	Plating F	86492-2	87046-1				
				Be Cu	Plating G	86492-9	87046-4				

High Pressure (Mod V)**

Wire Size Range AWG	Wire Size Range [mm²]	Ins. Dia. (Max.)	Dimension A	Material	Finish	Part Nos. Strip Form	Part Nos. Loose Piece	Heavy Duty Miniature Applicator for AMP-O-LECTRIC Machine*	Applicator for AMP-O-MATIC Stripper/Crimper Machine	Hand Tool Part Nos.
32-27	0.03-0.1	**.040** [1.02]	**.445** [11.30]	Ph Bz	Plating E	103455-1	103455-2	466655-2	466921-1	91541-1
26-22	0.12-0.4	**.061** [1.55]	**.445** [11.30]	Ph Bz	Plating E	87809-1	102128-1	466571-2	466918-1	91517-1
				Ph Bz	Plating G	87809-2	102128-2			
24-20	0.2-0.6	**.069** [1.75]	**.470** [11.94]	Ph Bz	Plating E	87309-9	1-87309-4	466562-2	466905-1	91516-1
				Ph Bz	Plating G	87309-8	1-87309-3			

*For use with AMP-O-LECTRIC Model "K" machines. Call the Technical Support Center (1-800-522-6752) for part nos. of applicators for use with the AMP-O-LECTRIC Model "G" machines (shown on page 270), as well as other bench machines and fully automatic AMPOMATOR lead making machines.
**Contact material is phosphor bronze.
†PRO-CRIMPER II hand tool frame with die set assembly.
Die Set Part No. 58641-2

Note: All part numbers are RoHS compliant.

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Japan: 81-44-844-8013
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Mod IV Wire-Applied Housings, Single-Row, .100 [2.54] Centerline

Non-Polarized



Material

Black thermoplastic, flame retardant

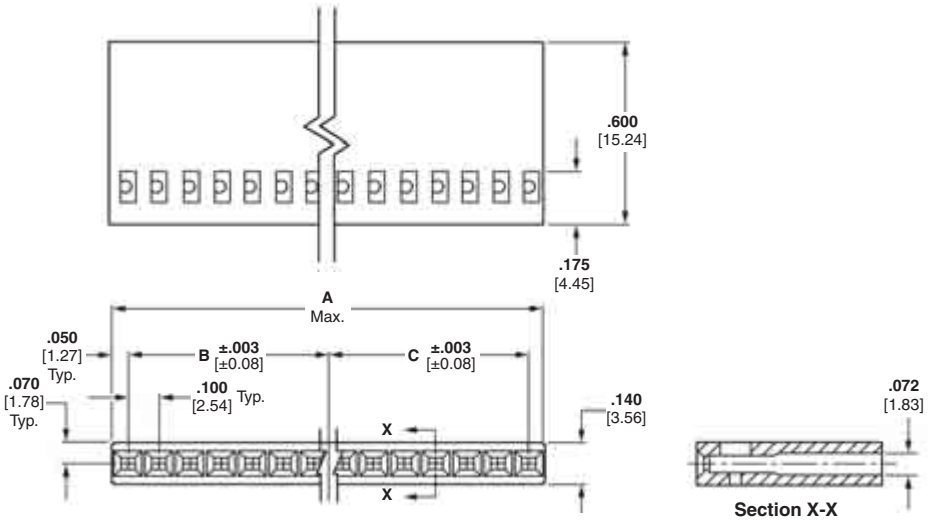
Related Product Data

Contacts — pages 211-213
Mateable Headers and Posts — pages 93-95, 101-103

Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016



No. of Pos.	Dimensions A	B	C	Part No. Stamped*	Unstamped**
1	**.105** [2.67]	—	—	—	7-87499-2
2	**.205** [5.21]	**.100** [2.54]	—	87499-3	87499-4
3	**.305** [7.75]	**.100** [2.54]	**.100** [2.54]	87499-5	87499-6
4	**.405** [10.29]	**.200** [5.08]	**.100** [2.54]	87499-7	87499-8
5	**.505** [12.83]	**.200** [5.08]	**.200** [5.08]	87499-9	1-87499-0
6	**.605** [15.37]	**.300** [7.62]	**.200** [5.08]	1-87499-1	1-87499-2
7	**.705** [17.91]	**.300** [7.62]	**.300** [7.62]	87499-1	87499-2
8	**.805** [20.45]	**.400** [10.16]	**.300** [7.62]	1-87499-3	1-87499-4
9	**.905** [22.99]	**.400** [10.16]	**.400** [10.16]	1-87499-5	1-87499-6
10	**1.005** [25.53]	**.500** [12.70]	**.400** [10.16]	1-87499-7	1-87499-8
11	**1.105** [28.01]	**.500** [12.70]	**.500** [12.70]	1-87499-9	2-87499-0
12	**1.205** [30.61]	**.600** [15.24]	**.500** [12.70]	2-87499-1	2-87499-2
13	**1.305** [33.15]	**.600** [15.24]	**.600** [15.24]	2-87499-3	2-87499-4
14	**1.405** [35.69]	**.700** [17.78]	**.600** [15.24]	2-87499-5	2-87499-6
15	**1.505** [38.23]	**.700** [17.78]	**.700** [17.78]	2-87499-7	2-87499-8
16	**1.605** [40.77]	**.800** [20.32]	**.700** [17.78]	2-87499-9	3-87499-0
17	**1.700** [43.18]	**.800** [20.32]	**.800** [20.32]	—	3-87499-2
18	**1.805** [45.85]	**.900** [22.86]	**.800** [20.32]	—	3-87499-4
19	**1.900** [48.26]	**.900** [22.86]	**.900** [22.86]	—	3-87499-6
20	**2.005** [50.93]	**1.000** [25.40]	**.900** [22.86]	3-87499-7	3-87499-8
21	**2.100** [53.34]	**1.000** [25.40]	**1.000** [25.40]	—	4-87499-0
22	**2.205** [56.01]	**1.100** [27.94]	**1.000** [25.40]	—	4-87499-2
23	**2.300** [58.42]	**1.100** [27.94]	**1.100** [27.94]	—	4-87499-4
24	**2.400** [60.96]	**1.200** [30.48]	**1.100** [27.94]	—	4-87499-6
25	**2.500** [63.50]	**1.200** [30.48]	**1.200** [30.48]	—	4-87499-8
26	**2.605** [66.17]	**1.300** [33.02]	**1.200** [30.48]	—	5-87499-0
27	**2.700** [68.58]	**1.300** [33.02]	**1.300** [33.02]	—	5-87499-2
28	**2.800** [71.12]	**1.400** [35.56]	**1.300** [33.02]	—	5-87499-4
29	**2.900** [73.66]	**1.400** [35.56]	**1.400** [35.56]	—	5-87499-6
30	**3.005** [76.33]	**1.500** [38.10]	**1.400** [35.56]	—	5-87499-8
31	**3.100** [78.74]	**1.500** [38.10]	**1.500** [38.10]	—	6-87499-0
32	**3.200** [81.28]	**1.600** [40.64]	**1.500** [38.10]	—	6-87499-2
33	**3.300** [83.82]	**1.600** [40.64]	**1.600** [40.64]	—	6-87499-4
34	**3.400** [86.36]	**1.700** [43.18]	**1.600** [40.64]	—	6-87499-6
35	**3.500** [88.98]	**1.700** [43.18]	**1.700** [43.18]	—	6-87499-8
36	**3.600** [91.44]	**1.800** [45.72]	**1.700** [43.18]	—	7-87499-0

*Cavity identification, part number and date code stamped on housing where size permits.
**No marking on housing.
Notes: 1. Strain reliefs are available and may be purchased separately. Consult Tyco Electronics.
2. Contact **Extraction/Lance Reset Tool No. 843996-3.**

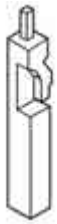
Note: All part numbers are RoHS compliant.

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-2
(Plugs directly into housing)

Catalog 1307819
Revised 8-08

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

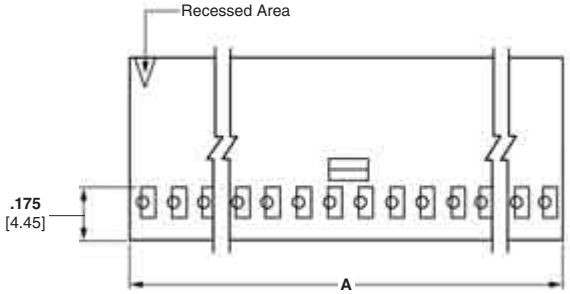
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

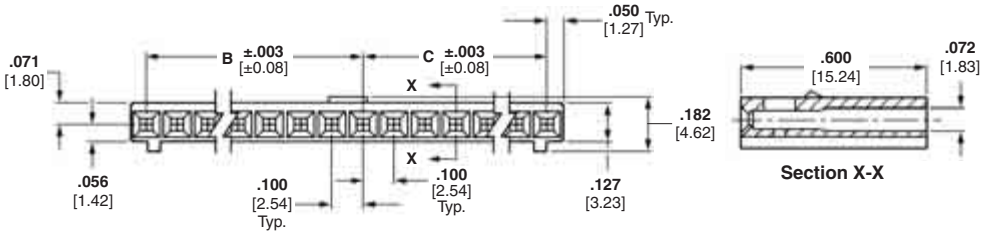
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Single-Row, .100 [2.54] Centerline (Continued)

Polarized (with Detent Latching)







Material

Black thermoplastic, flame retardant

Related Product Data

Contacts — pages 211-213

Mateable Headers and Posts — pages 115, 116

Flexible Film Connectors, Single-Row Pin Assemblies — Catalog 82007

Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016

No. of Pos.	Dimensions A	B	C	Part Nos. Unstamped*
3	**.300** [7.62]	**.100** [2.54]	**.100** [2.54]	102241-1
4	**.400** [10.16]	**.200** [5.08]	**.100** [2.54]	102241-2
5	**.500** [12.70]	**.200** [5.08]	**.200** [5.08]	102241-3
6	**.600** [15.24]	**.300** [7.62]	**.200** [5.08]	102241-4
7	**.700** [17.78]	**.300** [7.62]	**.300** [7.62]	102241-5
8	**.800** [20.32]	**.400** [10.16]	**.300** [7.62]	102241-6
9	**.900** [22.86]	**.400** [10.16]	**.400** [10.16]	102241-7
10	**1.000** [25.40]	**.500** [12.70]	**.400** [10.16]	102241-8
11	**1.100** [27.94]	**.500** [12.70]	**.500** [12.70]	102241-9
12	**1.200** [30.48]	**.600** [15.24]	**.500** [12.70]	1-102241-0
13	**1.300** [33.02]	**.600** [15.24]	**.600** [15.24]	1-102241-1
14	**1.400** [35.56]	**.700** [17.78]	**.600** [15.24]	1-102241-2
15	**1.500** [38.10]	**.700** [17.78]	**.700** [17.78]	1-102241-3
16	**1.600** [40.64]	**.800** [20.32]	**.700** [17.78]	1-102241-4
17	**1.700** [43.18]	**.800** [20.32]	**.800** [20.32]	1-102241-5
18	**1.800** [45.72]	**.900** [22.86]	**.800** [20.32]	1-102241-6
19	**1.900** [48.26]	**.900** [22.86]	**.900** [22.86]	1-102241-7
20	**2.000** [50.80]	**1.000** [25.40]	**.900** [22.86]	1-102241-8
21	**2.100** [53.34]	**1.000** [25.40]	**1.000** [25.40]	1-102241-9
22	**2.200** [55.88]	**1.100** [27.94]	**1.000** [25.40]	2-102241-0
23	**2.300** [58.42]	**1.100** [27.94]	**1.100** [27.94]	2-102241-1
24	**2.400** [60.96]	**1.200** [30.48]	**1.100** [27.94]	2-102241-2
25	**2.500** [63.50]	**1.200** [30.48]	**1.200** [30.48]	2-102241-3
26	**2.600** [66.04]	**1.300** [33.02]	**1.200** [30.48]	2-102241-4
27	**2.700** [68.58]	**1.300** [33.02]	**1.300** [33.02]	2-102241-5
28	**2.800** [71.12]	**1.400** [35.56]	**1.300** [33.02]	2-102241-6
29	**2.900** [73.66]	**1.400** [35.56]	**1.400** [35.56]	2-102241-7
30	**3.000** [76.20]	**1.500** [38.10]	**1.400** [35.56]	2-102241-8
31	**3.100** [78.74]	**1.500** [38.10]	**1.500** [38.10]	2-102241-9
32	**3.200** [81.28]	**1.600** [40.64]	**1.500** [38.10]	3-102241-0
33	**3.300** [83.82]	**1.600** [40.64]	**1.600** [40.64]	3-102241-1
34	**3.400** [86.36]	**1.700** [43.18]	**1.600** [40.64]	3-102242-2
35	**3.500** [88.90]	**1.700** [43.18]	**1.700** [43.18]	3-102241-3
36	**3.600** [91.44]	**1.800** [45.72]	**1.700** [43.18]	3-102241-4

*No marking on housing.
Note: Contact **Extraction/Lance Reset Tool No. 843996-3.**

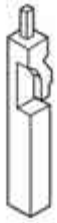
Note: All part numbers are RoHS compliant.

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-2
(Plugs directly into housing)

Catalog 1307819
Revised 8-08

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

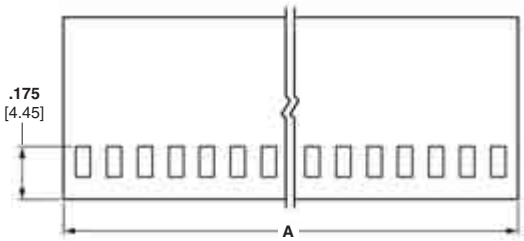
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

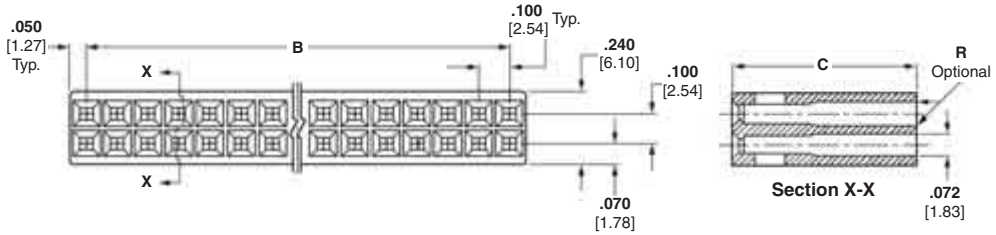
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Double-Row, .100 x .100 [2.54 x 2.54] Centerline

Non-Polarized







Material

Black thermoplastic, flame retardant

Related Product Data

Contacts — pages 211-213

Mateable Headers and Posts — pages 96-99, 104, 105, 117-120

Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016

No. of Pos.	Dimensions		Part Nos.		
			C = .600 [15.24]		C = .645 [16.38]
	A	B	Stamped*	Unstamped**	Unstamped**
2	**.100** [2.54]	—	—	5-87456-3	—
4	**.200** [5.08]	**.100** [2.54]	5-87456-0	4-87456-9	2-86177-5
6	**.300** [7.62]	**.200** [5.08]	87456-2	87456-1	1-86177-8
8	**.400** [10.16]	**.300** [7.62]	87456-4	87456-3	2-86177-0
10	**.500** [12.70]	**.400** [10.16]	87456-6	87456-5	1-86177-2
12	**.600** [15.24]	**.500** [12.70]	87456-8	87456-7	1-86177-3
14	**.700** [17.78]	**.600** [15.24]	1-87456-0	87456-9	1-86177-4
16	**.800** [20.32]	**.700** [17.78]	1-87456-2	1-87456-1	1-86177-5
18	**.900** [22.86]	**.800** [20.32]	1-87456-4	1-87456-3	1-86177-6
20	**1.000** [25.40]	**.900** [22.86]	1-87456-6	1-87456-5	86177-1
22	**1.100** [27.94]	**1.000** [25.40]	—	1-87456-7	86177-2
24	**1.200** [30.48]	**1.100** [27.94]	2-87456-0	1-87456-9	86177-3
26	**1.300** [33.02]	**1.200** [30.48]	2-87456-2	2-87456-1	86177-4
28	**1.400** [35.56]	**1.300** [33.02]	2-87456-4	2-87456-3	86177-5
30	**1.500** [38.10]	**1.400** [35.56]	2-87456-6	2-87456-5	86177-6
32	**1.600** [40.64]	**1.500** [38.10]	2-87456-8	2-87456-7	86177-7
34	**1.700** [43.18]	**1.600** [40.64]	3-87456-0	2-87456-9	86177-8
36	**1.800** [45.72]	**1.700** [43.18]	3-87456-2	3-87456-1	86177-9
38	**1.900** [48.26]	**1.800** [45.72]	—	3-87456-3	1-86177-0
40	**2.000** [50.80]	**1.900** [48.26]	3-87456-6	3-87456-5	1-86177-1
42	**2.100** [53.34]	**2.000** [50.80]	4-87456-4	4-87456-3	—
44	**2.200** [55.88]	**2.100** [53.34]	3-87456-8	3-87456-7	1-86177-7
48	**2.400** [60.96]	**2.300** [58.42]	6-87456-0	5-87456-9	2-86177-3
50	**2.500** [63.50]	**2.400** [60.96]	4-87456-0	3-87456-9	2-86177-1
52	**2.600** [66.04]	**2.500** [63.50]	4-87456-2	4-87456-1	1-86177-9
54	**2.700** [68.58]	**2.600** [66.04]	—	4-87456-5	—
56	**2.800** [71.12]	**2.700** [68.58]	—	6-87456-1	—
58	**2.900** [73.66]	**2.800** [71.12]	—	6-87456-3	—
60	**3.000** [76.20]	**2.900** [73.66]	5-87456-2	5-87456-1	—
64	**3.200** [81.28]	**3.100** [78.74]	6-87456-6	6-87456-5	—
66	**3.300** [83.82]	**3.200** [81.28]	5-87456-4	5-87456-7	—
70	**3.500** [88.90]	**3.400** [86.36]	—	5-87456-5	2-86177-4
72	**3.600** [91.44]	**3.500** [88.90]	4-87456-8	4-87456-7	—

*Cavity identification, part number and date code stamped on housing where size permits.
**No marking on housing.

Notes: 1. Strain reliefs are available and may be purchased separately. Consult Tyco Electronics.
2. Contact **Extraction/Lance Reset Tool No. 843996-3.**

Note: All part numbers are RoHS compliant.

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-1
(for .645 high housings)
Part No. 87077-2
(for .600 high housings)
(Plugs directly into housing)

Catalog 1307819
Revised 8-08

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

Polarized



Material

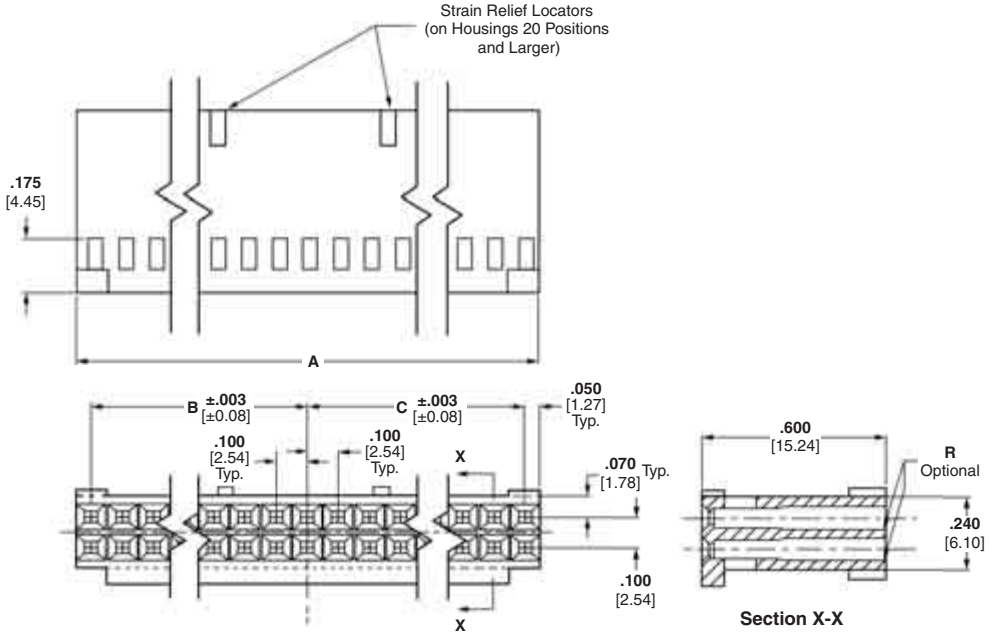
Black thermoplastic, flame retardant

Related Product Data

Contacts — pages 211-213
Mateable Headers and Posts— pages 117-131

Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021
Application Specification
114-25003, 114-25016



No. of Pos.	Dimensions			Part Nos.	
	A	B	C	Stamped*	Unstamped**
6	**.300** [7.62]	**.100** [2.54]	**.100** [2.54]	87977-1	2-87977-8
8	**.400** [10.16]	**.200** [5.08]	**.100** [2.54]	87977-2	2-87977-9
10	**.500** [12.70]	**.200** [5.08]	**.200** [5.08]	87977-3	3-87977-0
12	**.600** [15.24]	**.300** [7.62]	**.200** [5.08]	87977-4	3-87977-1
14	**.700** [17.78]	**.300** [7.62]	**.300** [7.62]	87977-5	3-87977-2
16	**.800** [20.32]	**.400** [10.16]	**.300** [7.62]	87977-6	3-87977-3
18	**.900** [22.86]	**.400** [10.16]	**.400** [10.16]	—	3-87977-4
20	**1.000** [25.40]	**.500** [12.70]	**.400** [10.16]	87977-8	3-87977-5
22	**1.100** [27.94]	**.500** [12.70]	**.500** [12.70]	—	3-87977-6
24	**1.200** [30.48]	**.600** [15.24]	**.500** [12.70]	1-87977-0	3-87977-7
26	**1.300** [33.02]	**.600** [15.24]	**.600** [15.24]	1-87977-1	3-87977-8
28	**1.400** [35.56]	**.700** [17.78]	**.600** [15.24]	—	3-87977-9
30	**1.500** [38.10]	**.700** [17.78]	**.700** [17.78]	—	4-87977-0
32	**1.600** [40.64]	**.800** [20.32]	**.700** [17.78]	—	4-87977-1
34	**1.700** [43.18]	**.800** [20.32]	**.800** [20.32]	—	4-87977-2
36	**1.800** [45.72]	**.900** [22.86]	**.800** [20.32]	—	4-87977-3
38	**1.900** [48.26]	**.900** [22.86]	**.900** [22.86]	—	4-87977-4
40	**2.000** [50.80]	**1.000** [25.40]	**.900** [22.86]	1-87977-8	4-87977-5
42	**2.100** [53.34]	**1.000** [25.40]	**1.000** [25.40]	—	4-87977-6
44	**2.200** [55.88]	**1.100** [27.94]	**1.000** [25.40]	—	4-87977-7
48	**2.400** [60.96]	**1.200** [30.48]	**1.100** [27.94]	—	5-87977-6
50	**2.500** [63.50]	**1.200** [30.48]	**1.200** [30.48]	2-87977-1	4-87977-8
52	**2.600** [66.04]	**1.300** [33.02]	**1.200** [30.48]	—	4-87977-9
54	**2.700** [68.58]	**1.300** [33.02]	**1.300** [33.02]	—	5-87977-0
56	**2.800** [71.12]	**1.400** [35.56]	**1.300** [33.02]	—	5-87977-8
58	**2.900** [73.66]	**1.400** [35.56]	**1.400** [35.56]	—	6-87977-0
60	**3.000** [76.20]	**1.500** [38.10]	**1.400** [35.56]	2-87977-4	5-87977-1
64	**3.200** [81.28]	**1.600** [40.64]	**1.500** [38.10]	—	6-87977-2
66	**3.300** [83.82]	**1.600** [40.64]	**1.600** [40.64]	—	5-87977-2
70	**3.500** [88.90]	**1.700** [43.18]	**1.700** [43.18]	—	5-87977-3
72	**3.600** [91.44]	**1.800** [45.72]	**1.700** [43.18]	—	5-87977-4

*Cavity identification, part number and date code stamped on housing where size permits.
**No marking on housing or strain relief.
Notes: 1. Strain reliefs are available and may be purchased separately. Consult Tyco Electronics.
2. Contact **Extraction/Lance Reset Tool No. 843996-3.**

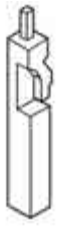
Note: All part numbers are RoHS compliant.

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-2
(Plugs directly into housing)

Catalog 1307819
Revised 8-08
www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

Polarized (with Detent Latching, with and without Strain Relief/Pull Tab)



Material

Black thermoplastic, flame retardant

Related Product Data

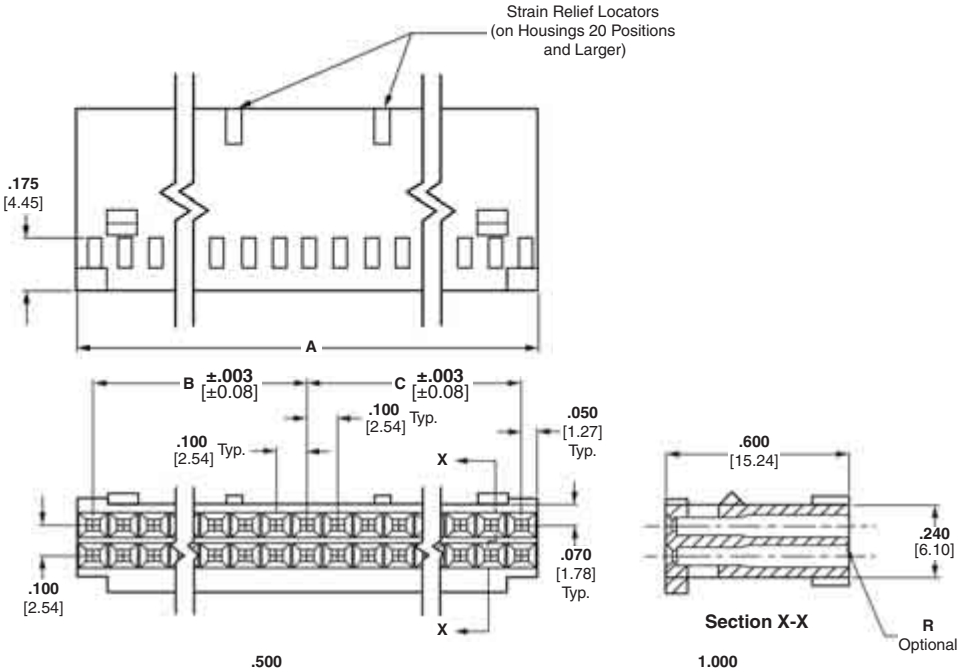
Contacts — pages 211-213
Mateable Headers and Posts — pages 117-125, 127-133

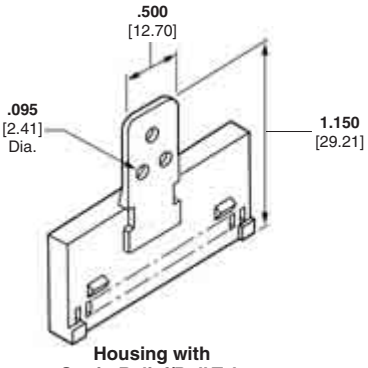
Technical Documents —

pages 277, 278

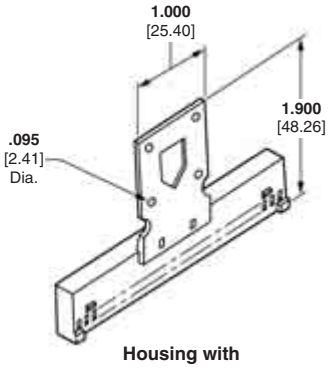
Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016





Housing with Strain Relief/Pull Tab
Strain Relief Part No. 87921-1
(10 thru 18 positions)



Housing with Strain Relief/Pull Tab
Strain Relief Part No. 87710-1
(20 positions and larger)

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-2
(Plugs directly into housing)

No. of Pos.	Dimensions			No. of Detents	Part Nos.		
					Without Strain Relief		With Strain Relief
	A	B	C		Stamped*	Unstamped**	Stamped*
6	**.300** [7.62]	**.100** [2.54]	**.100** [2.54]	1	87631-2	87631-1	—
8	**.400** [10.16]	**.200** [5.08]	**.100** [2.54]	1	87631-4	87631-3	—
10	**.500** [12.70]	**.200** [5.08]	**.200** [5.08]	1	87631-6	87631-5	87922-1
12	**.600** [15.24]	**.300** [7.62]	**.200** [5.08]	1	87631-8	87631-7	87922-2
14	**.700** [17.78]	**.300** [7.62]	**.300** [7.62]	1	1-87631-0	87631-9	87922-3
16	**.800** [20.32]	**.400** [10.16]	**.300** [7.62]	1	1-87631-2	1-87631-1	87922-4

*Cavity identification, part number and date code stamped on housing and/or strain relief where size permits.
**No marking on housing or strain relief.
Notes: 1. The Strain Relief/Pull Tab can be bonded to any thermoplastic connector housing.
2. Strain reliefs may be purchased separately.
3. Contact **Extraction/Lance Reset Tool No. 843996-3.**

Note: All part numbers are RoHS compliant.

Catalog 1307819
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Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

No. of Pos.	Dimensions			No. of Detents	Part Nos.		
	A	B	C		Without Strain Relief		With Strain Relief
					Stamped*	Unstamped**	Stamped*
18	**.900** [22.86]	**.400** [10.16]	**.400** [10.16]	1	1-87631-4	1-87631-3	87922-5
20	**1.000** [25.40]	**.500** [12.70]	**.400** [10.16]	2	1-87631-6	1-87631-5	87733-1
22	**1.100** [27.94]	**.500** [12.70]	**.500** [12.70]	2	1-87631-8	1-87631-7	—
24	**1.200** [30.48]	**.600** [15.24]	**.500** [12.70]	2	2-87631-0	1-87631-9	87733-3
26	**1.300** [33.02]	**.600** [15.24]	**.600** [15.24]	2	2-87631-2	2-87631-1	87733-4
28	**1.400** [35.56]	**.700** [17.78]	**.600** [15.24]	2	2-87631-4	2-87631-3	—
30	**1.500** [38.10]	**.700** [17.78]	**.700** [17.78]	2	2-87631-6	2-87631-5	87733-6
32	**1.600** [40.64]	**.800** [20.32]	**.700** [17.78]	2	2-87631-8	2-87631-7	87733-7
34	**1.700** [43.18]	**.800** [20.32]	**.800** [20.32]	2	3-87631-0	2-87631-9	87733-8
36	**1.800** [45.72]	**.900** [22.86]	**.800** [20.32]	2	3-87631-2	3-87631-1	—
38	**1.900** [48.26]	**.900** [22.86]	**.900** [22.86]	2	—	3-87631-3	—
40	**2.000** [50.80]	**1.000** [25.40]	**.900** [22.86]	2	3-87631-6	3-87631-5	1-87733-1
42	**2.100** [53.34]	**1.000** [25.40]	**1.000** [25.40]	2	3-87631-8	3-87631-7	—
44	**2.200** [55.88]	**1.100** [27.94]	**1.000** [25.40]	2	4-87631-0	3-87631-9	—
48	**2.400** [60.96]	**1.200** [30.48]	**1.100** [27.94]	2	—	5-87631-9	—
50	**2.500** [63.50]	**1.200** [30.48]	**1.200** [30.48]	2	4-87631-2	4-87631-1	1-87733-4
52	**2.600** [66.04]	**1.300** [33.02]	**1.200** [30.48]	2	—	4-87631-3	—
54	**2.700** [68.58]	**1.300** [33.02]	**1.300** [33.02]	2	4-87631-6	4-87631-5	—
58	**2.900** [73.66]	**1.400** [35.56]	**1.400** [35.56]	2	—	6-87631-3	—
60	**3.000** [76.20]	**1.500** [38.10]	**1.400** [35.56]	2	5-87631-2	5-87631-1	1-87733-7
64	**3.200** [81.28]	**1.600** [40.64]	**1.500** [38.10]	2	6-87631-6	6-87631-5	—
66	**3.300** [83.82]	**1.600** [40.64]	**1.600** [40.64]	2	—	5-87631-3	—
70	**3.500** [88.90]	**1.700** [43.18]	**1.700** [43.18]	2	—	5-87631-5	—
72	**3.800** [96.52]	**1.800** [45.72]	**1.700** [43.18]	2	5-87631-8	5-87631-7	—

*Cavity identification, part number and date code stamped on housing and/or strain relief where size permits.
**No marking on housing or strain relief.

Notes: 1. The Strain Relief/Pull Tab can be bonded to any thermoplastic connector housing.
2. Strain reliefs may be purchased separately.
3. Contact **Extraction/Lance Reset Tool No. 843996-3.**

Note: All part numbers are RoHS compliant.

Catalog 1307819
Revised 8-08

www.tycoelectronics.com

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Japan: 81-44-844-8013
UK: 44-8706-080-208

Mod IV Wire-Applied Housings, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

Center Polarized



Material

Black thermoplastic, flame retardant

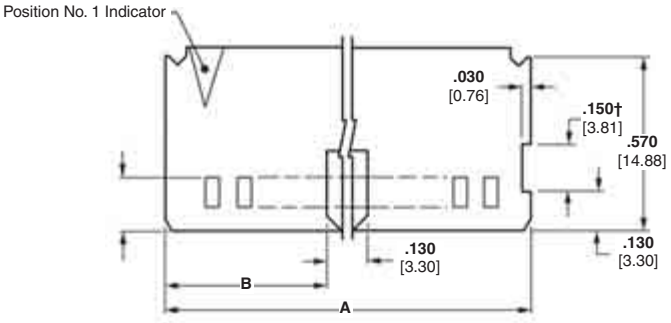
Related Product Data

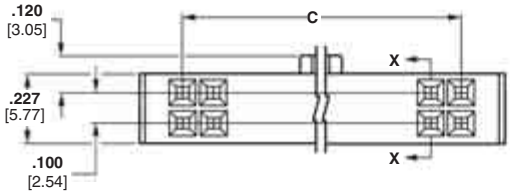
Contacts — pages 211-213
Mateable Headers and Posts — **AMP-LATCH Low Profile Headers, Shrouded** — pages 135-140

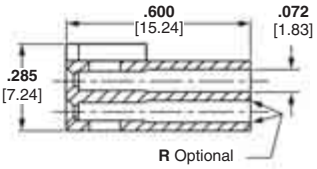
Technical Documents — pages 277, 278

Product Specification
108-25007, 108-25019, 108-25020, 108-25021

Application Specification
114-25003, 114-25016







Section X-X

No. of Pos.	Dimensions A	B	C	Part Nos. (Stamped*)
8	**.580** [14.73]	**.225** [5.72]	**.300** [7.62]	1-102387-4
10	**.680** [17.27]	**.275** [6.98]	**.400** [10.16]	102387-1
14	**.880** [22.35]	**.375** [9.53]	**.600** [15.24]	102387-2
16	**.980** [24.89]	**.425** [10.80]	**.700** [17.78]	102387-3
20	**1.180** [29.97]	**.525** [13.34]	**.900** [22.86]	102387-4
22	**1.280** [32.51]	**.575** [14.61]	**1.000** [25.40]	1-102387-5
24	**1.380** [35.05]	**.625** [15.88]	**1.100** [27.94]	102387-5
26	**1.480** [37.59]	**.675** [17.15]	**1.200** [30.48]	102387-6
30	**1.680** [42.67]	**.775** [19.69]	**1.400** [35.56]	102387-7
34	**1.880** [47.75]	**.875** [22.23]	**1.600** [40.64]	102387-8
40	**2.180** [55.37]	**1.025** [26.04]	**1.900** [48.26]	102387-9
44	**2.380** [60.45]	**1.125** [28.58]	**2.100** [53.34]	1-102387-3
50	**2.680** [68.07]	**1.275** [32.39]	**2.400** [60.96]	1-102387-0
60	**3.180** [80.77]	**1.525** [38.74]	**2.900** [73.66]	1-102387-1
64	**3.380** [85.85]	**1.625** [41.28]	**3.100** [78.74]	1-102387-2

*Cavity identification and Tyco Electronics stamped on housing.
†Non-functional slot is used for gating purposes during injection molding process. This gating feature is not inherent in all production molds. Therefore, the depicted slot will only be present on housings produced on mold tooling requiring this gating feature.
Note: Contact **Extraction/Lance Reset Tool No. 843996-3.**

Keying Plugs



Part No. 86286-1
(Plugs into standard or intermediate pressure receptacle contact)

Material — Natural color nylon



Part No. 87077-2
(Plugs directly into housing)

Note: All part numbers are RoHS compliant.

Catalog 1307819
Revised 8-08

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Dimensions are shown for reference purposes only. Specifications subject to change.

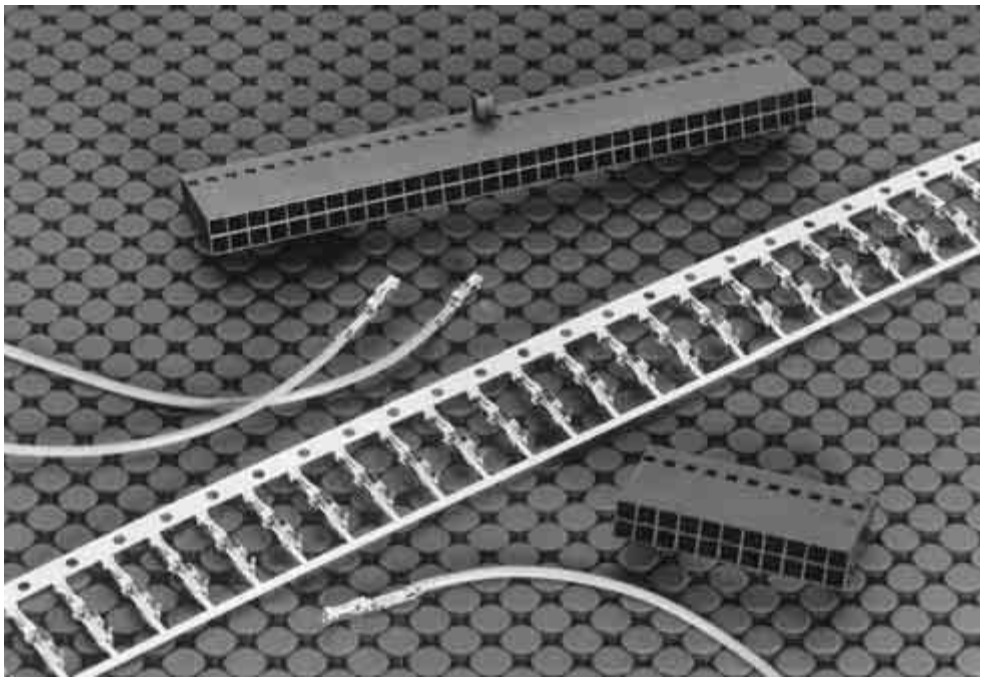
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

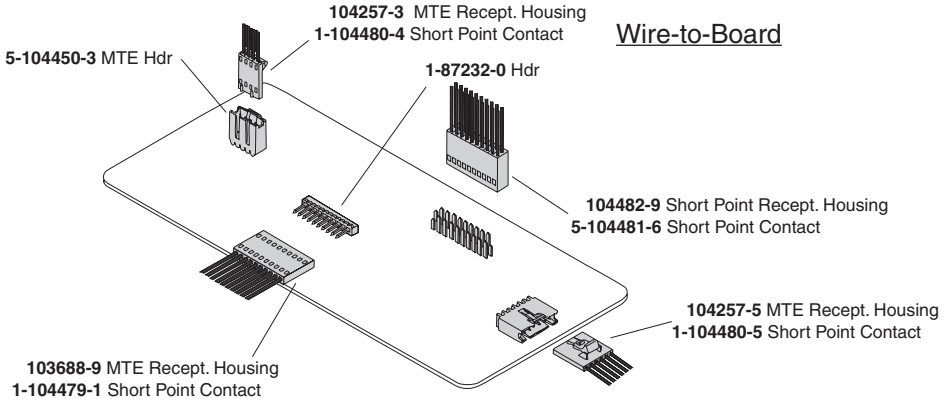
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Short Point, Crimp Snap-In Wire-Applied Contacts and Housings

Product Facts

- **Short point of contact mates with .169 [4.29] to .259 [6.58] long post**
- **Double-row housings are end-to-end and side-to-side stackable**
- **Terminates 32-20 AWG [0.03-0.6 mm²] discrete wire**
- **Contacts have insulation support to accept a maximum insulation diameter of .060 [1.52]**
- **Available with .000015 [0.00038] or .000030 [0.00076] gold duplex, or tin plating**
- **Mates with .025 [0.64] square posts**
- **Dual cantilever contact beams for reliable matings**
- **Locking retention latch provides approximately 3 lb [13.34 N] of retention force**
- **Unique locking latch design helps prevent latch from protruding through latch window**
- **Contacts snap into AMPMODU MTE single-row housings**
- **Double-row housing configurations include .100 [2.54] centerline, plain and polarized**
- **Housing sizes range from 4 to 52 positions**
- **Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476**
- **Certified by Canadian Standards Association, File No. LR7189**
- **Produced under a Quality Management System certified to ISO 9001**
  A copy of the certificate is available upon request





AMPMODU Short Point receptacle contacts are designed to mate with .025 [0.64] square posts. They will mate with posts as short as .169 [4.29].

Short Point double-row housings are end-to-end and side-to-side stackable on .100 [2.54] centers. Contacts also can be used in single-row AMPMODU MTE housings to provide a complete wire-crimp system, or to serve as replacement contacts.

Performance Characteristics

Contact Current Rating — 3 amperes

Termination Resistance — 12 milliohms (max.)

Durability — Ref. Product Specification 108-1472

Note: All part numbers are RoHS compliant.

Catalog 1307819
Revised 8-08

www.tycoelectronics.com

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Hong Kong: 852-2735-1628
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UK: 44-8706-080-208

Short Point Crimp Snap-In Receptacle Contacts

Material and Finish

Copper alloy C7025, plated as follows:

Plating A — Duplex plated .000030 [0.00076] min. gold on contact area, .000050 [0.00127] min. tin in crimp area, with entire contact underplated .000050 [0.00127] min. nickel

Plating B — Duplex plated .000015 [0.00038] min. gold on contact area, .000050 [0.00127] min. tin in crimp area, with entire contact underplated .000050 [0.00127] min. nickel

Plating C — .000100 [0.00254] min. tin over .000050 [0.00127] min. nickel on entire contact

Related Product Data

Performance Characteristics — page 221

Housings used in — Short Point—pages 223, 224

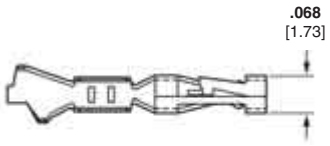
AMPMODU MTE Unloaded Housings — pages 228-233

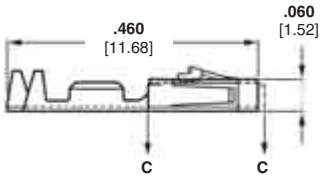
Application Tooling — page 270-272

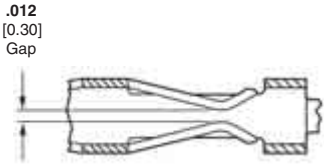
Technical Documents — pages 276-278

Product Specification
108-1472

Application Specification
114-25038







Section C - C



Keying Plug
Part No. 104072-1
Ten plugs are supplied per strip.
Order quantity reflects the number of strips required.



Extraction/Lance Reset Tool No. 843477-1

Wire Size Range AWG	Wire Size Range [mm²]	Ins. Dia. Range	Finish	Contact Part No. (Standard Pressure) Strip Form	Contact Part No. (Standard Pressure) Loose Piece	Quick-Change Applicator for AMP-O-LECTRIC Machine*	Applicator for AMP-O-MATIC Stripper/Crimper Machine	Hand Tool Nos.
32-28	0.03-0.08	**.025-.060** [0.64-1.52]	Plating A	1-104481-1	1-104481-3	567296-2	466980-1	91518-1
			Plating B	1-104481-0	1-104481-2			
			Plating C	5-104481-2	5-104481-6			
26-22	0.13-0.3	**.025-.060** [0.64-1.52]	Plating A	1-104480-3	1-104480-6	567297-2	466981-1	91518-1
			Plating B	1-104480-2	1-104480-5			
			Plating C	1-104480-7	1-104480-4			
24-20	0.2-0.5	**.025-.060** [0.64-1.52]	Plating A	1-104479-0	1-104479-3	567298-2	466982-1	91551-1
			Plating B	104479-9	1-104479-2			
			Plating C	104479-8	1-104479-1			

*For use with Model "K" machines. Call the Tooling/Technical Assistance Center (1-800-722-1111) for part nos. of applicators for use with the Model "G" machines (shown on page 288), as well as other bench machines and fully automatic AMPOMATOR lead making machines.

Note: All part numbers are RoHS compliant.

Catalog 1307819
Revised 8-08

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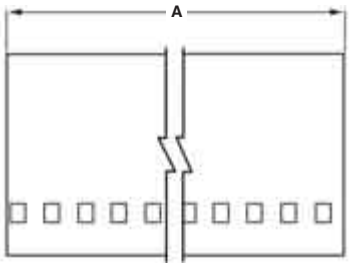
Dimensions are shown for reference purposes only. Specifications subject to change.

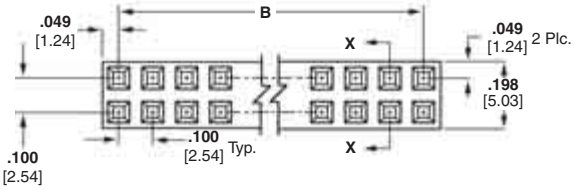
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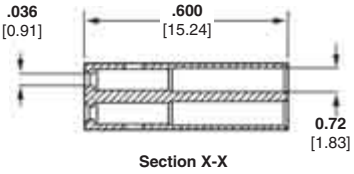
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Japan: 81-44-844-8013
UK: 44-8706-080-208

Short Point Wire-Applied Housings, Double-Row, Non-Polarized, .100 x .100 [2.54 x 2.54] Centerline









Material

Black thermoplastic, flame retardant, 94V-0 rated

Related Product Data

Performance Characteristics — page 221

Contacts — page 222

Mateable Headers — pages 104, 105

Technical Documents — pages 276-278

Product Specification
108-1472

Application Specification
114-25038

No. of Pos.	Dimensions		Housing Part No.
	A	B	
4	**.198** [5.03]	**.100** [2.54]	104482-1
6	**.298** [7.57]	**.200** [5.08]	104482-2
8	**.398** [10.11]	**.300** [7.62]	104482-3
10	**.498** [12.65]	**.400** [10.16]	104482-4
12	**.598** [15.19]	**.500** [12.70]	104482-5
14	**.698** [17.73]	**.600** [15.24]	104482-6
16	**.798** [20.27]	**.700** [17.78]	104482-7
18	**.898** [22.81]	**.800** [20.32]	104482-8
20	**.998** [25.35]	**.900** [22.86]	104482-9
22	**1.098** [27.89]	**1.000** [25.40]	1-104482-0
26	**1.298** [32.97]	**1.200** [30.48]	1-104482-1
28	**1.398** [35.51]	**1.300** [33.02]	1-104482-2
30	**1.498** [38.05]	**1.400** [35.56]	1-104482-3
32	**1.598** [40.59]	**1.500** [38.10]	1-104482-4
34	**1.698** [43.13]	**1.600** [40.64]	1-104482-5
36	**1.798** [45.67]	**1.700** [43.18]	1-104482-6
38	**1.898** [48.21]	**1.800** [45.72]	1-104482-7
40	**1.998** [50.75]	**1.900** [48.26]	1-104482-8
44	**2.198** [55.83]	**2.100** [53.34]	1-104482-9
52	**2.598** [65.99]	**2.500** [63.50]	2-104482-0

Note: All part numbers are RoHS compliant.

Catalog 1307819
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Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

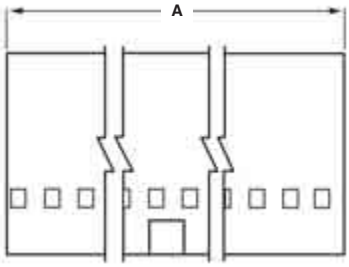
Dimensions are shown for reference purposes only. Specifications subject to change.

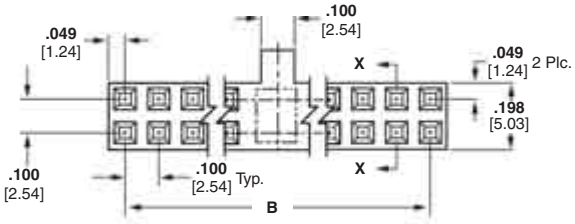
USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 01-800-733-8926
C. America: 52-55-1106-0803

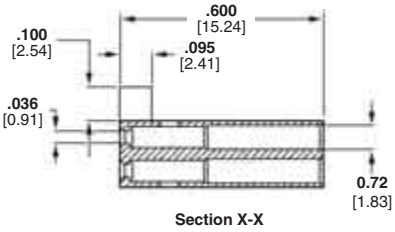
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-8706-080-208

Short Point Wire-Applied Housings, Double-Row, Polarized, .100 x .100 [2.54 x 2.54] Centerline









Material

Black thermoplastic, flame retardant, 94V-0 rated

Related Product Data

Performance Characteristics — page 221

Contacts — page 222

Mateable Headers — pages 104, 105, 135-138

Technical Documents — pages 276-278

Product Specification
108-1472

Application Specification
114-25038

No.of Pos.	Dimensions		Housing Part No.
	A	B	
8	**.398** [10.11]	**.300** [7.62]	104483-1
10	**.498** [12.65]	**.400** [10.16]	1-104483-1
12	**.598** [15.19]	**.500** [12.70]	1-104483-2
14	**.698** [17.73]	**.600** [15.24]	104483-9
18	**.898** [22.81]	**.800** [20.32]	104483-2
20	**.998** [25.35]	**.900** [22.86]	104483-3
26	**1.298** [32.97]	**1.200** [30.48]	104483-4
30	**1.498** [38.05]	**1.400** [35.56]	104483-5
38	**1.898** [48.21]	**1.800** [45.72]	104483-6
50	**2.498** [63.45]	**2.400** [60.96]	1-104483-3
52	**2.598** [65.99]	**2.500** [63.50]	1-104483-0
54	**2.698** [68.53]	**2.600** [66.04]	104483-7
64	**3.198** [81.23]	**3.100** [78.74]	104483-8

Note: Other sizes can be made available on request.

Note: All part numbers are RoHS compliant.

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