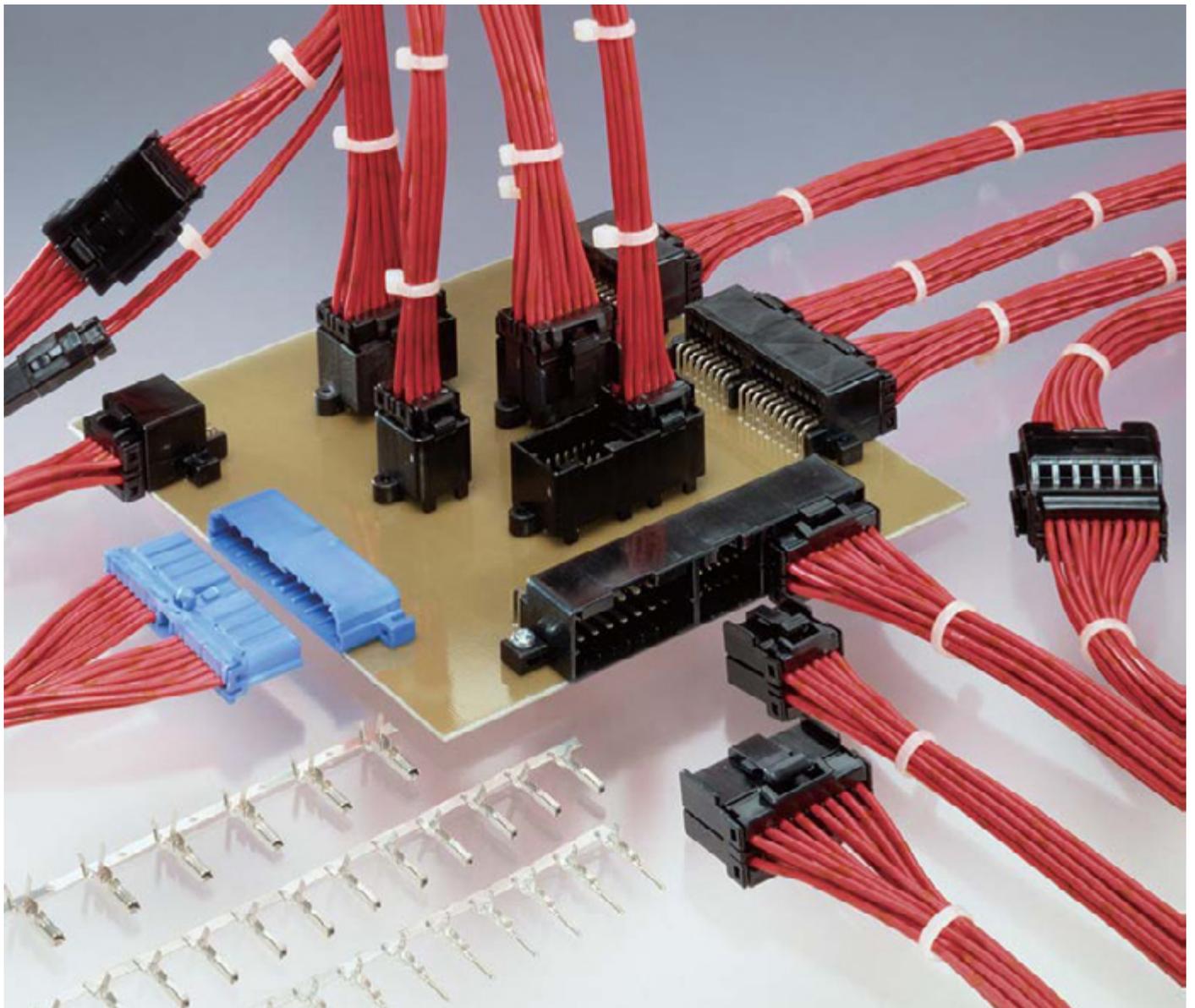


MULTILOCK CONNECTOR SYSTEM

.040 MULTILOCK Connectors

.040 MULTILOCK Connectors are Wire-to-Wire and Wire-to-Board Connectors widely used for Automotive Applications.



Powertrain Systems



Safety & Security Systems



Convenience



Driver Information



Chassis Systems

FEATURES

- Contacts are spaced at 2.5 mm centerline.
- Connectors are easy to handle.
- Connectors are consisted of plug housings, receptacle contacts for wire termination, and cap housing assemblies for horizontal and vertical mountings on PC boards.
- The contacting point of a receptacle contact is designed to be protected.
- The plug housings are provided with double-lock mechanism integrated into the body which ensures complete contact insertions into housings.
- The cap housing assemblies of 36, 48, 64 Positions of horizontal board mounting types are also available with hybrid styles to accept signal circuits with .040 series and power circuits with .070.

APPLICATION SPECIFICATIONS

- 114-5108 (.040 Tab Contact)
- 114-5094 (.040 Rec. Contact)
- 114-5162 (.040 Rec. Contact)
- 114-5109 (.070 Rec. Contact)
- 114-5156 (.070 Rec. Contact)

PRODUCT SPECIFICATIONS

- 108-5244 (Wire-to-Board)
- 108-5352 (Wire-to-Wire)
- 108-5471 (Wire-to-Wire, 14 Pos.)

INSTRUCTION SHEET

- 411-5883

Available No. of Positions for

- Wire-to-Wire Applications:
 - 2, 4, 12, 14, 20
- Wire-to-Board Applications:
 - 8, 12, 14, 16, 20, 28, 36, 48, 64

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

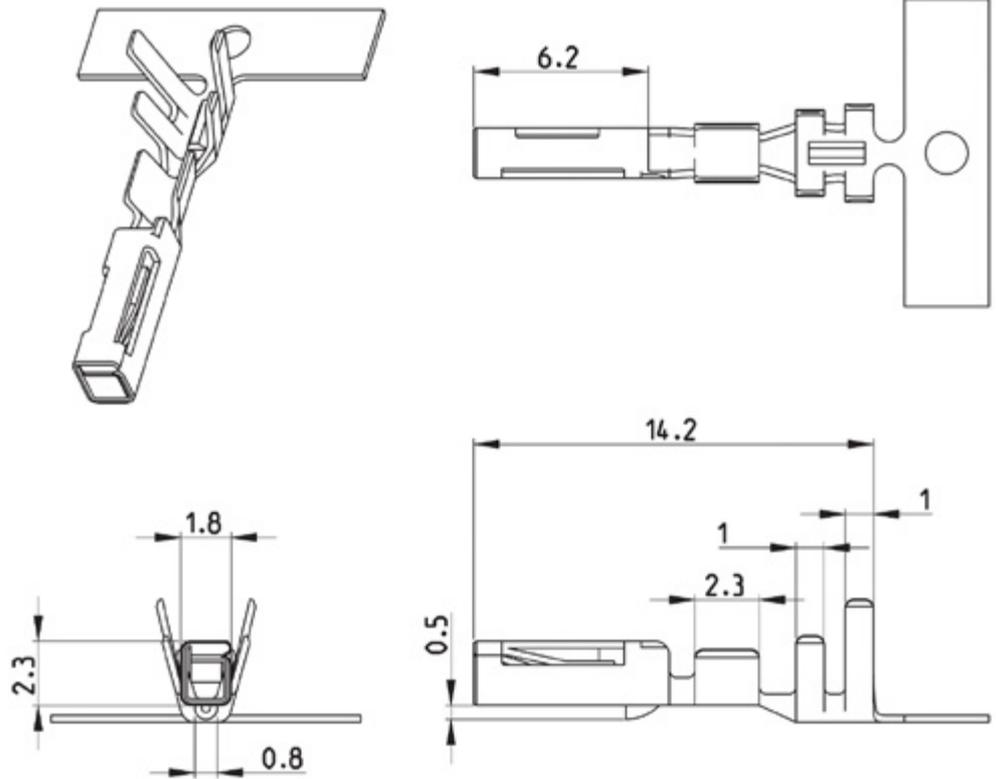
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5094
- 114-5162

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	22-20*	1.1-1.6	Copper Alloy, pre-tinned	1393364-1	10,000	-
			Copper Alloy, selective gold	175180-2	-	
		1.8-2.0	Copper Alloy, pre-tinned	173681-1	175062-1	91577-1
			Copper Alloy, selective gold	173681-2	175062-2	

*: O40 Series for signal circuit. (Extraction Tool: Part No. 755430-1 (IS-288J))

Note: All Part Numbers are RoHS and ELV compliant.

TAB CONTACTS (FOR CAP HOUSING) WIRE-TO-WIRE

TECHNICAL FEATURES

Contact Material:

- Brass

Contact Finishes:

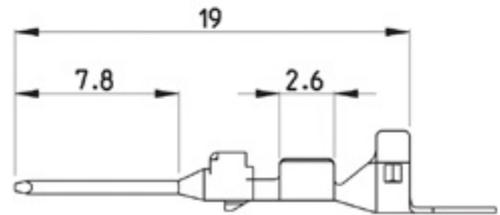
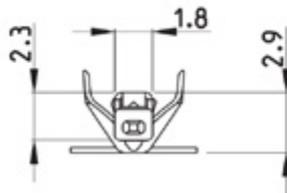
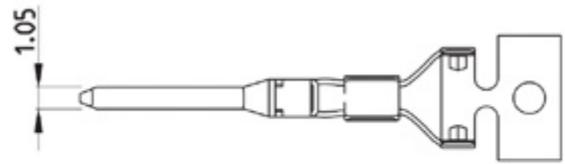
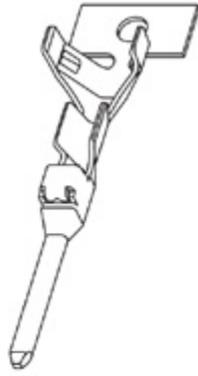
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5108

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	22-20	0.3-0.5	Pre-tin plated	173682-1	175063-1	91577-1
			Selective gold plated	2098032-3	175063-1	

Note: All Part Numbers are RoHS and ELV compliant.

.070 RECEPTACLE CONTACTS (FOR 16 POSITION PLUG, 174147-2)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

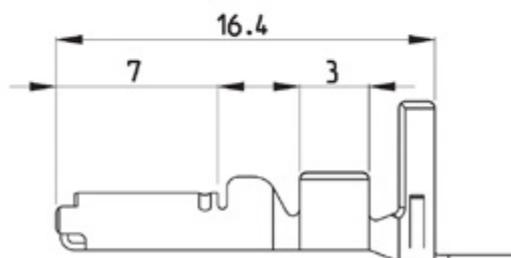
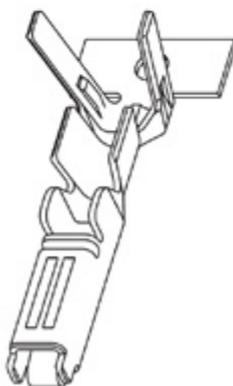
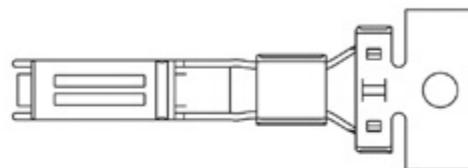
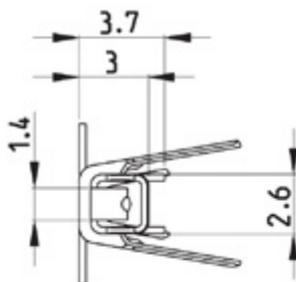
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5109
- 114-5156

Instruction Sheet:

- 411-5422



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.5-2.0	20-14	2.2-2.9	Copper Alloy, pre-tinned	173708-1	175081-1	911771-1
			Copper Alloy, selective gold	173708-2	175081-2	
0.50-1.25	20-16	1.3-2.1	Copper Alloy, pre-tinned	175221-1	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 2 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

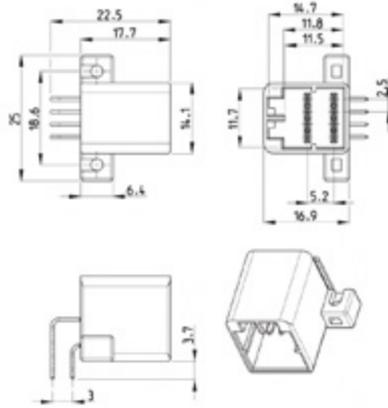
Product Specification:

- 108-5352

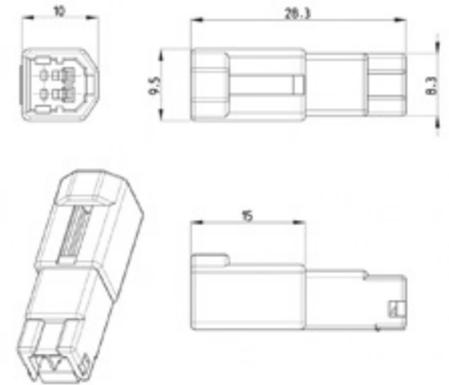
Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174056-2



174057-2



TECHNICAL FEATURES

No. of Positions:

- 4 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

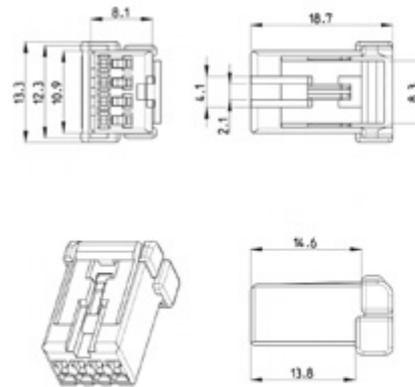
Product Specification:

- 108-5352

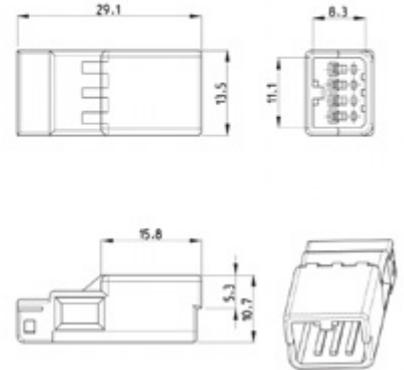
Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174966-2



174967-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
2	Wire	174056-2	174057-2	-	-	-
4	Wire	174966-2	174967-2	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 6 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

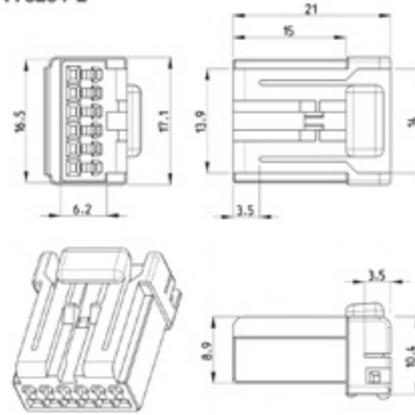
Product Specification:

- 108-5352

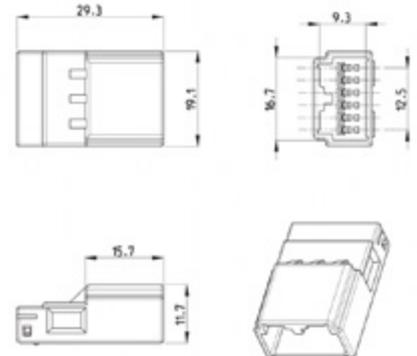
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

776204-2



345178-2



TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

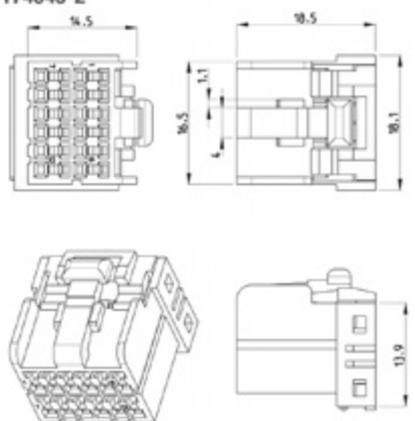
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- 108-5352

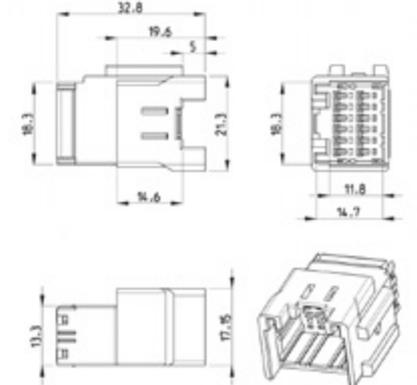
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

174045-2



174058-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
6	Wire	776204-2	345178-2	-	-	-
12	Wire	174045-2	174058-2	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 14 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

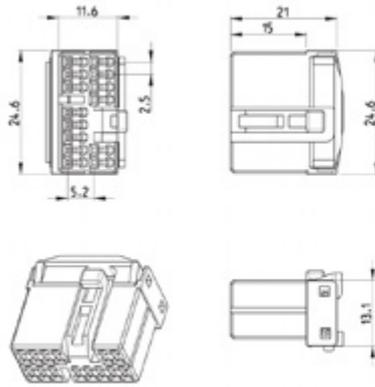
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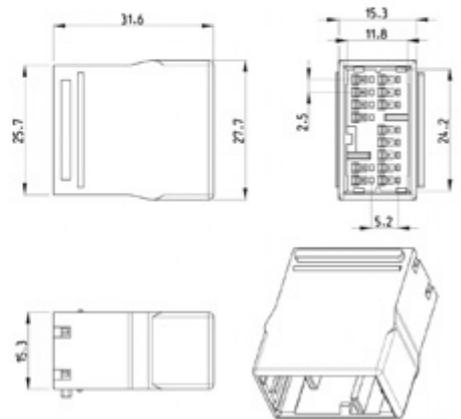
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

917531-1



917532-1



TECHNICAL FEATURES

No. of Positions:

- 16 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

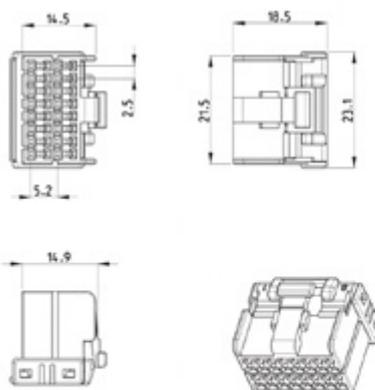
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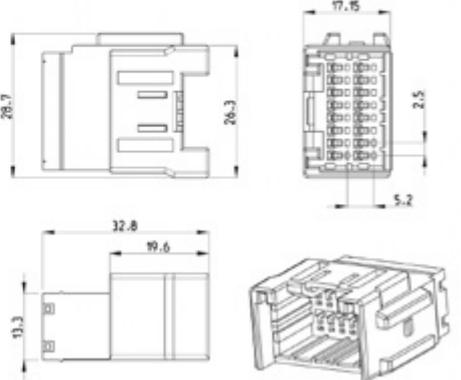
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

174046-2



776178-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
14	Wire	917531-1	917532-1	-	-	-
16	Wire	174046-2	776178-2	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

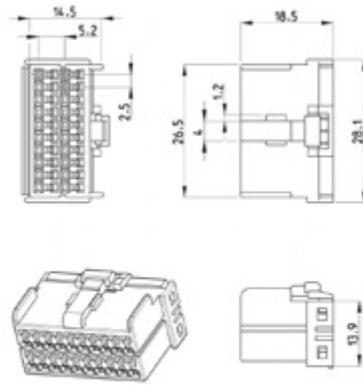
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- 108-5352

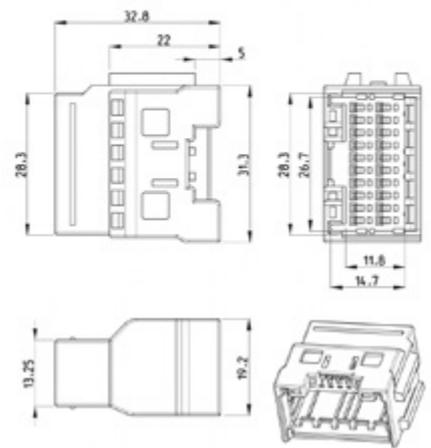
Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174047-2



175652-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
20	Wire	174047-2	175652-2	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 6 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

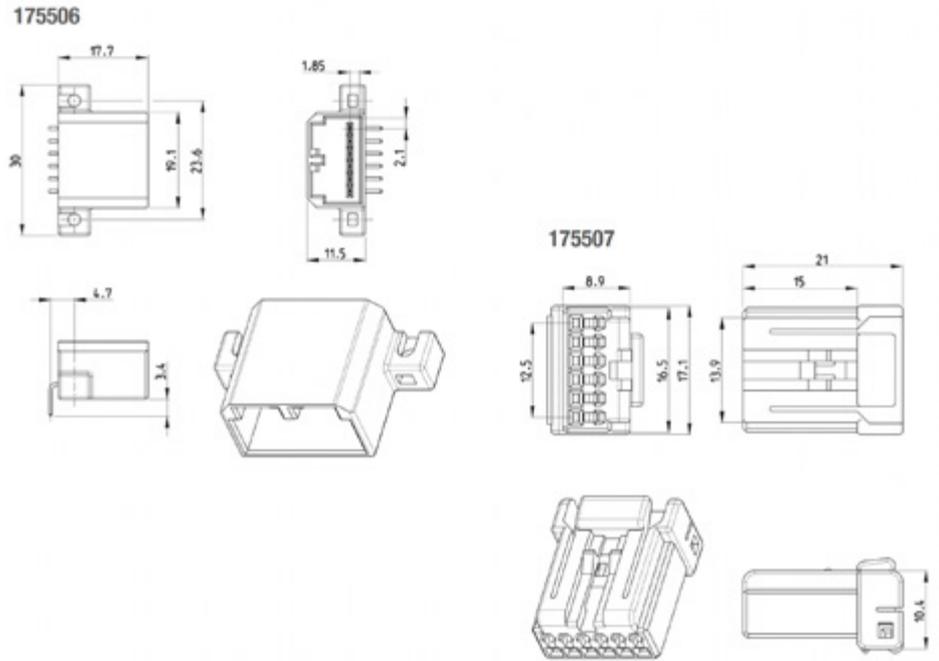
- Housing
- Cap: PBT
- Plug: PBT

Product Specification:

- 108-5244

Application Specifications:

- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
6	Board	-	-	776203 (Board Lock)	175507 776204	-
		-	-	638102	638100	-
		-	-	175506	175507	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

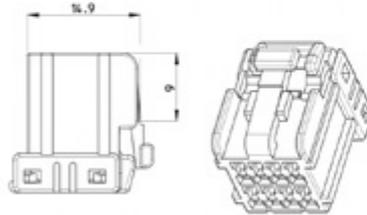
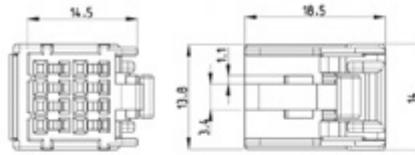
Product Specification:

- 108-5244

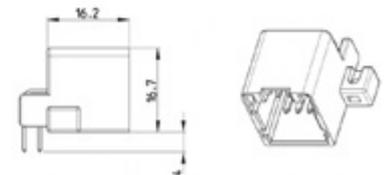
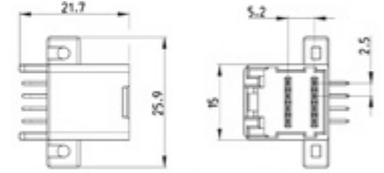
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174044-2



174049-2



TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

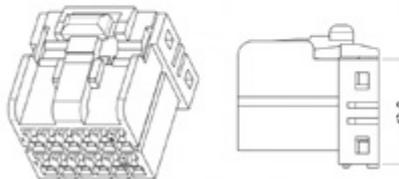
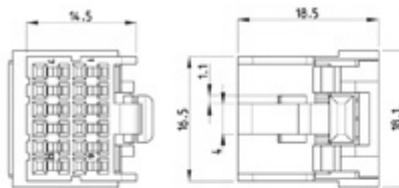
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- 108-5244

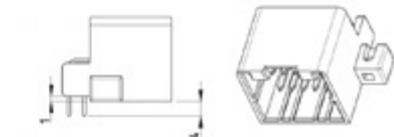
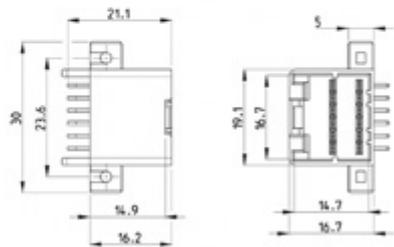
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174045-2



174051-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Board	174044-2	178455-1 (Panel Mount)	174049-2	174971-2	-
12	Board	174045-2	-	174051-2	174973-2	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 14 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

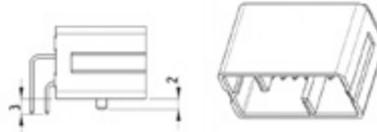
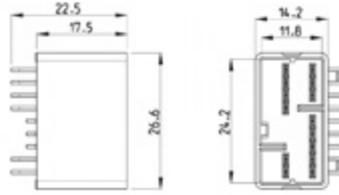
Product Specification:

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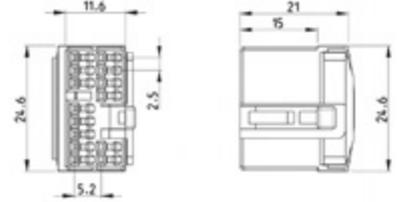
Application Specifications:

- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

917534-1



917531-1



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
14	Board	-	-	917534-1 917604-1	917535-1 917603-1	917531-1

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 16 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

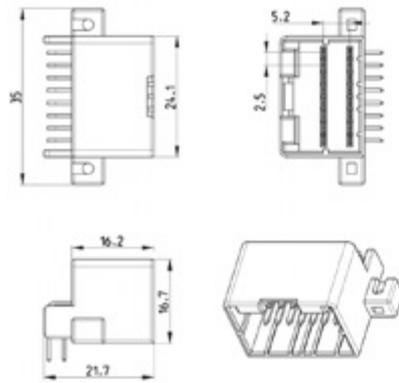
Product Specification:

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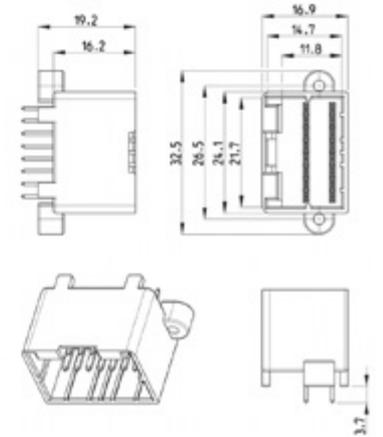
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174053-2



174975-2



TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

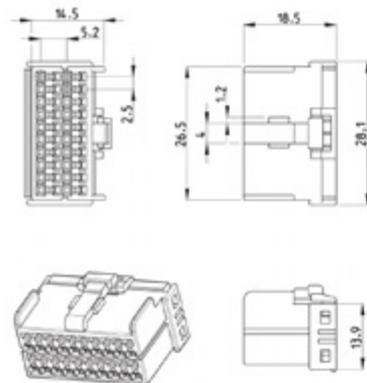
Product Specification:

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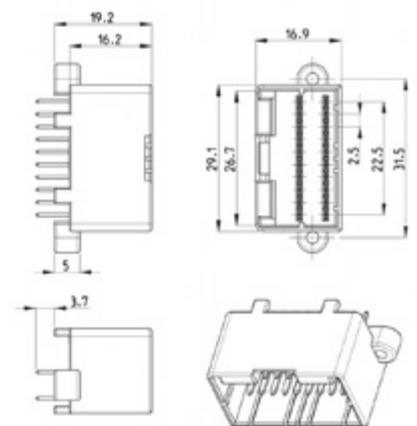
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174047-2



174977-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
16	Board	174046-2	174053-2	174975-2	-
16	Board	174060-5 (single row)	174062-5 (single row)	-	-
20	Board	174047-2	174055-2	174977-2	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 28 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

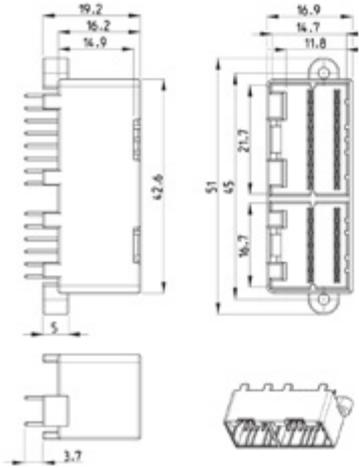
Product Specification:

- 108-5244

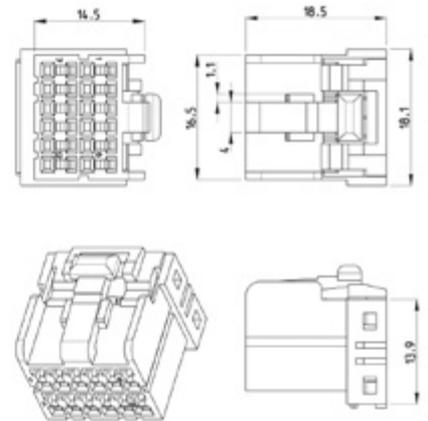
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174979-2



174045-2



TECHNICAL FEATURES

No. of Positions:

- 36 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

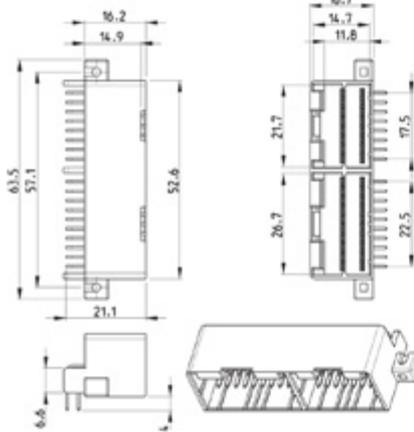
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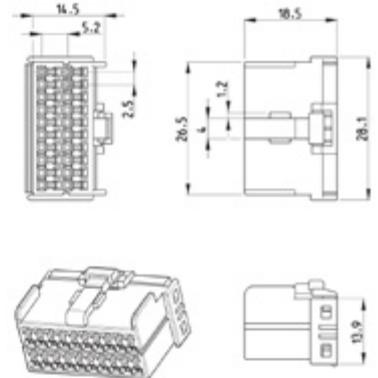
Application Specifications:

- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)

174146-2



174047-2



No. of Positions	Terminate To	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
28	Board	-	174979-2	12P: 174045-2 16P: 174046-2
36	Board	174146-2	-	20P: 174047-2 16P: 174046-2
36	Board	178460-1	-	20P: 174047-2 16P: 174147-2

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 48 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

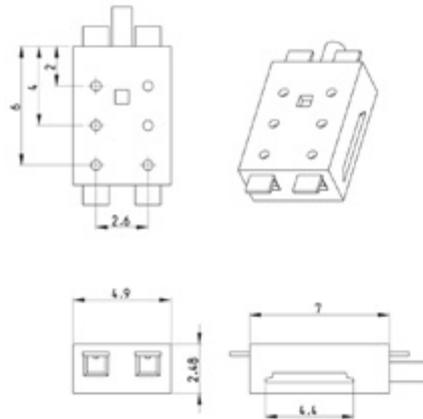
Product Specification:

- 108-5244

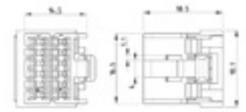
Application Specifications:

- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

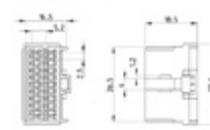
174179-1



174045-2



174047-2



174046-2



TECHNICAL FEATURES

No. of Positions:

- 60 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

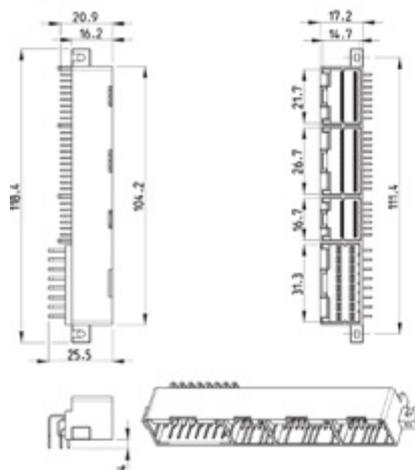
Product Specification:

- 108-5244

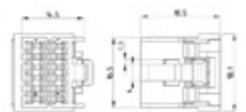
Application Specifications:

- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

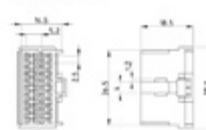
174151-2



174045-2



174047-2



174046-2



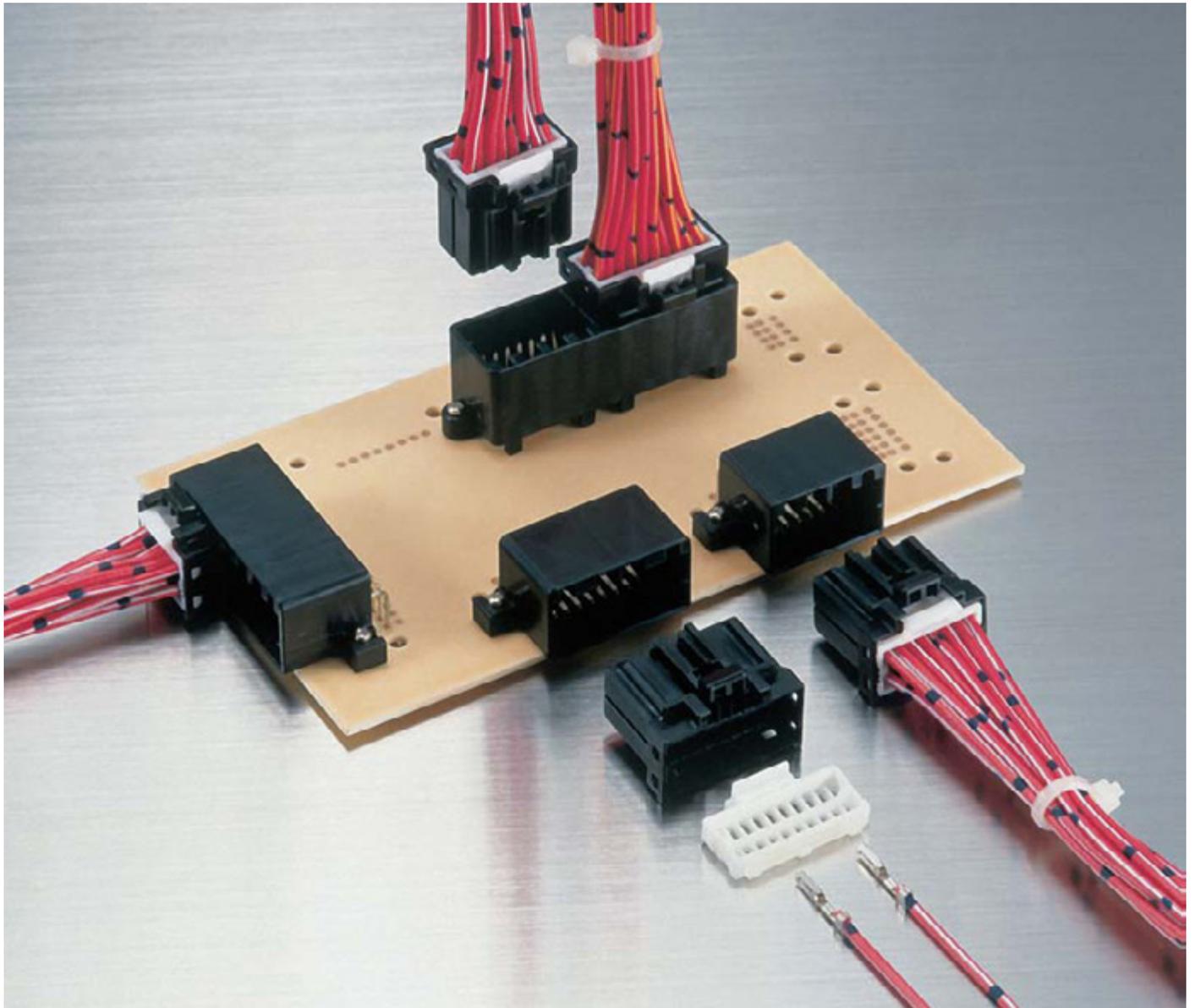
No. of Positions	Terminate To	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
48	Board	174179-1	-	12P: 174045-2 16P: 174147-2 20P: 174047-2
60	Board	3-174151-2	-	12P: 174045-2 16P: 174147-2 20P: 174047-2 16P: 174046-2

Note: All Part Numbers are RoHS and ELV compliant.

MULTILOCK CONNECTOR SYSTEM

.040 MULTILOCK Connectors Mark II

.040 MULTILOCK Connectors (Mark II) are small yet durable and easy to handle Wire-to-Wire and Wire-to-Board Connectors.



Powertrain Systems



Safety & Security Systems



Convenience



Driver Information



Body & Chassis Systems

FEATURES

- Contacts are spaced at 2.5 mm centerline.
- The plug housings are provided with two piece double-lock plates which prevents incomplete contact insertions into housings.
- The board-mounting cap housing assemblies are available with vertical and horizontal types.

APPLICATION SPECIFICATIONS

- 114-5094, 114-5162 (.040 Receptacle Contact)
- 114-5108 (.040 Tab Contact)

PRODUCT SPECIFICATIONS

- 108-5281

INSTRUCTION SHEET

- 412-5475

Available No. of Positions for

- Wire-to-Wire Applications:
 - 12, 16 Positions
- Wire-to-Board Applications:
 - 8, 12, 16, 20, 28, 36 Positions

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

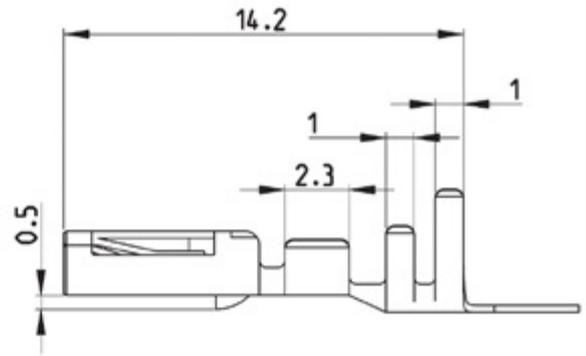
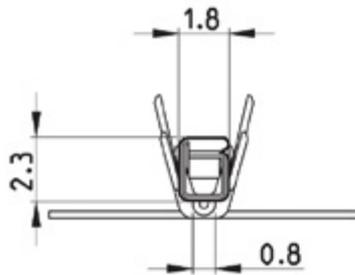
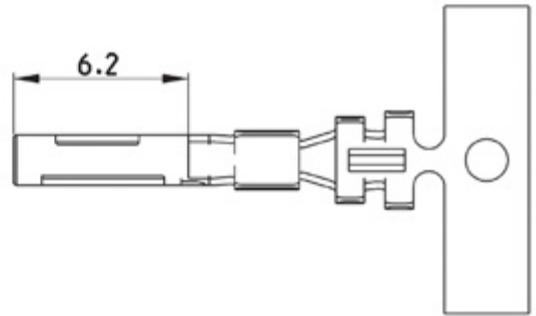
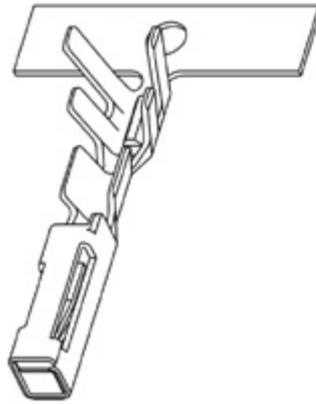
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5094
- 114-5162

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	22-20	1.1-1.6	Pre-tin plated	175180-1	-	-
			Selective gold plated	175180-2	-	
		1.8-2.0	Pre-tin plated	173681-1	175062-1	91577-1
			Selective gold plated	173681-2	175062-2	

Extraction Tool: Part No. 755430-1 (408-288J)

Note: All Part Numbers are RoHS and ELV compliant.

TAB CONTACTS (FOR CAP HOUSING) WIRE-TO-WIRE

TECHNICAL FEATURES

Contact Material:

- Brass

Contact Finishes:

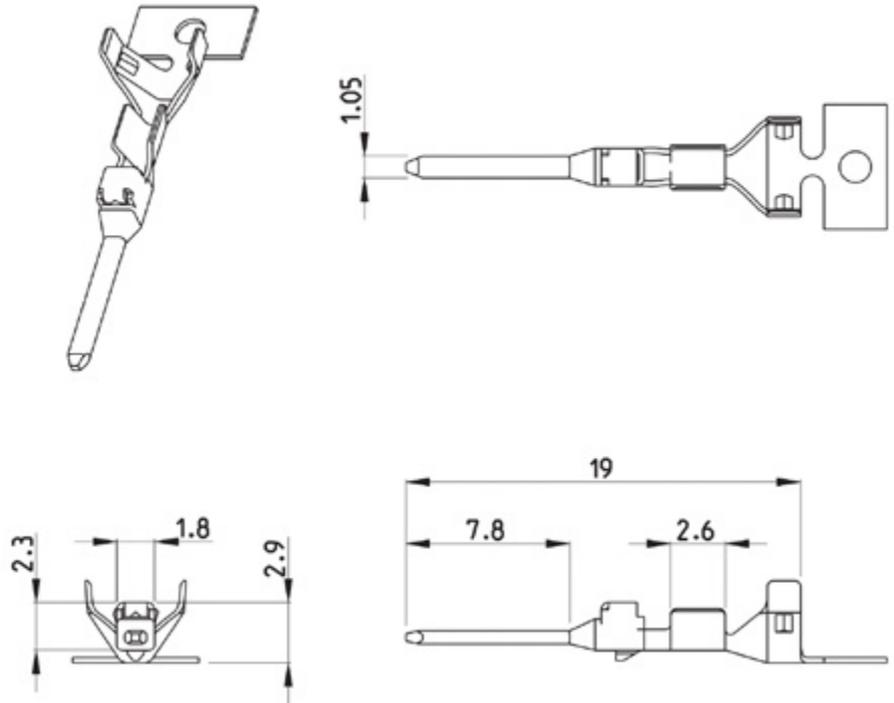
- Pre-tin plated

Application Specifications:

- 114-5108

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	22-20	1.8-2.0	Pre-tin plated	173682-1	175063-1	91577-1
			Selective gold plated	2098032-3	-	

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

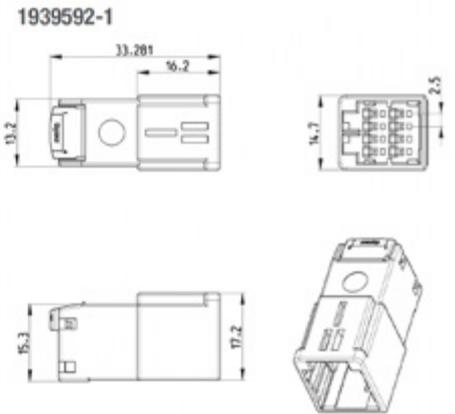
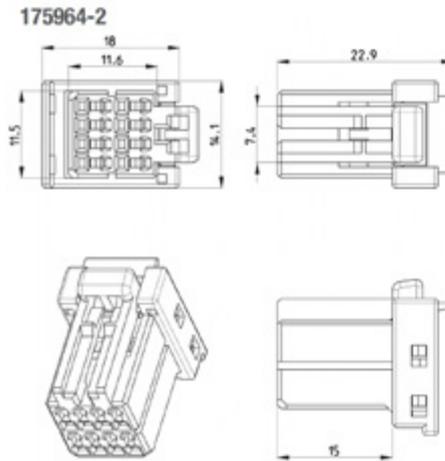
- Housing
- Cap: PBT
- Plug: PBT

Product Specification:

- 108-5471

Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)



TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

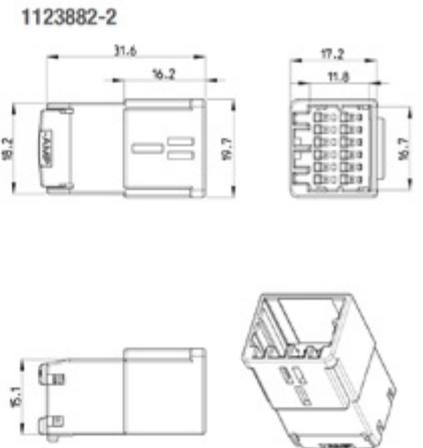
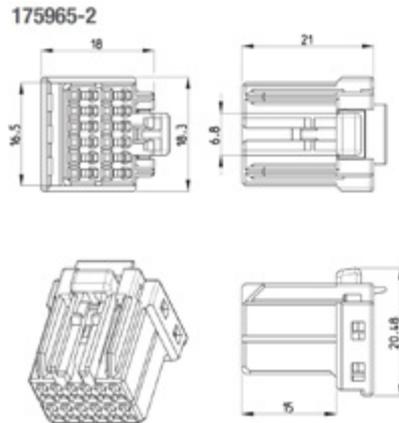
- Housing
- Cap: PBT
- Plug: PBT

Product Specification:

- 108-5471

Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Wire	175964-2	1939592-1	-	-	-
12	Wire	175965-2	1123882-2	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 16 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

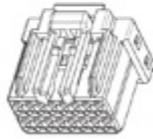
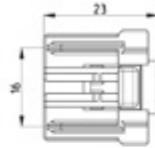
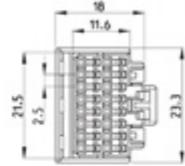
Product Specification:

- 108-5471

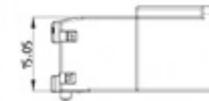
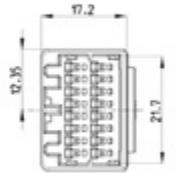
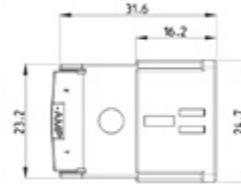
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

175966-2



1473196-1



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
16	Wire	175966-2	1473196-1	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

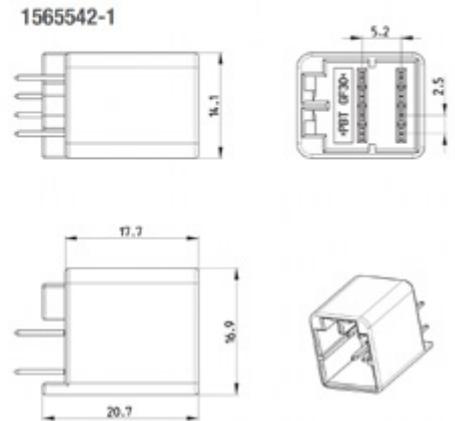
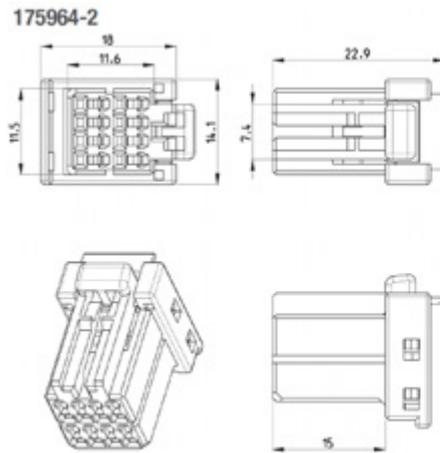
- Housing
- Cap: PBT
- Plug: PBT

Product Specification:

- 108-5471

Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)



TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

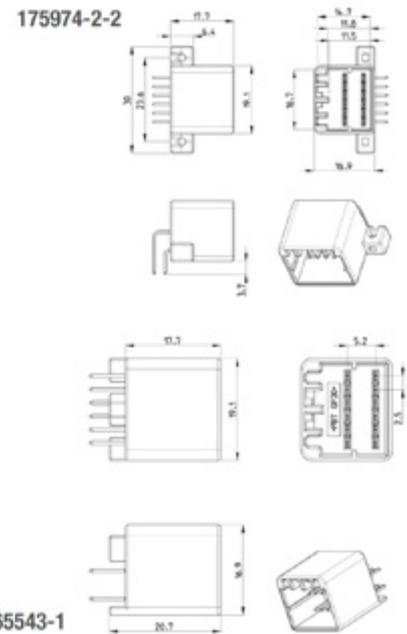
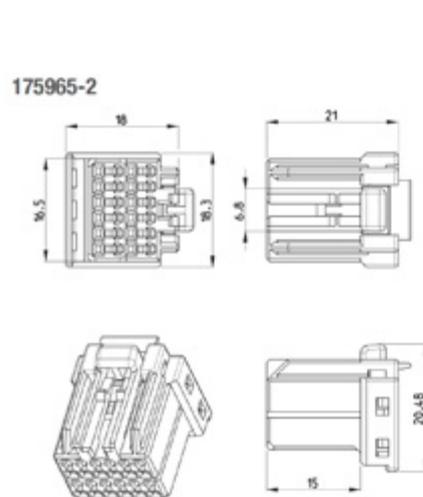
- Housing
- Cap: PBT
- Plug: PBT

Product Specification:

- 108-5471

Application Specifications:

- 114-5108 (040 tab contacts)
- 114-5094 (040 receptacle contacts)
- 114-5162 (040 receptacle contacts)



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Board	175964-2	-	175973-2	1565542-1	-
12	Board	175965-2	-	175974-2	1565543-1	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 16 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

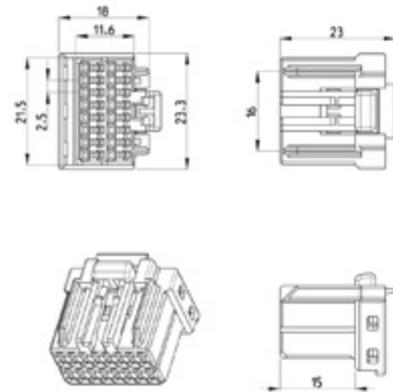
Product Specification:

- 108-5281

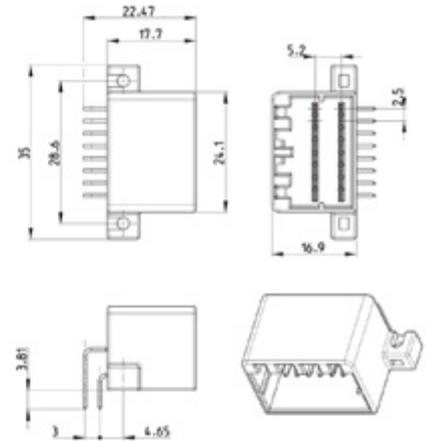
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

175966-2



175615-2



TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

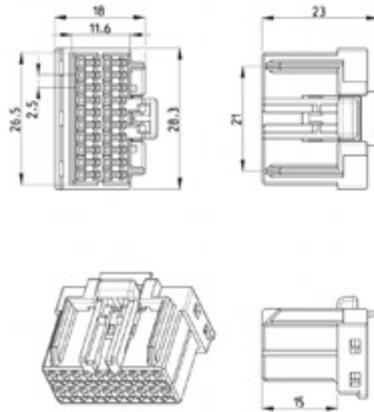
Product Specification:

- 108-5281

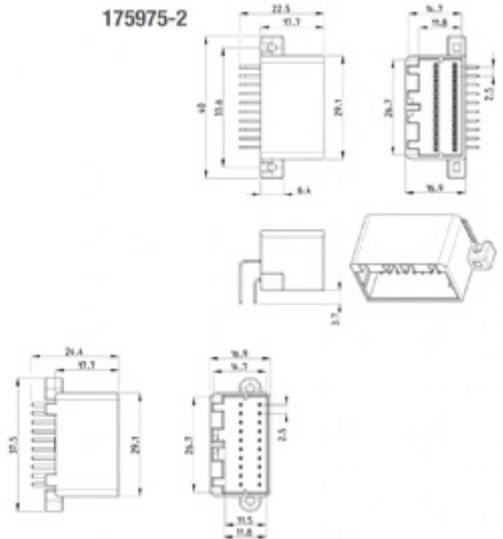
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

175967-2



175975-2



179254-2



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
16	Board	175966-5	-	175615-2	-	-
20	Board	175967-2	-	175975-2	179254-2	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 28 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

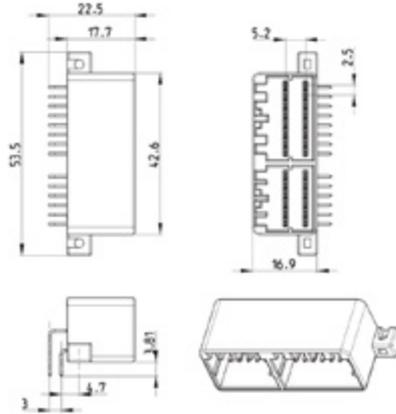
Product Specification:

- 108-5281

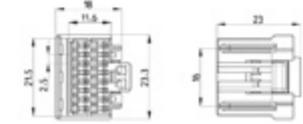
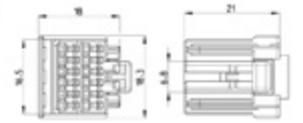
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

175976-2



175965-2



175966-2



TECHNICAL FEATURES

No. of Positions:

- 36 Positions

Applicable Wires:

- .040: 0.3-0.5 mm² (AWG 22-20)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

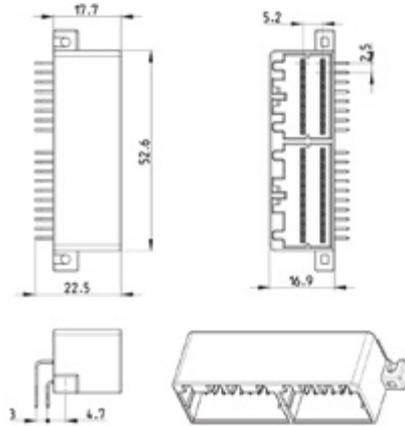
Product Specification:

- 108-5281

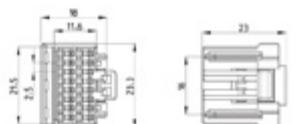
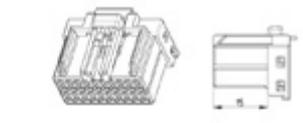
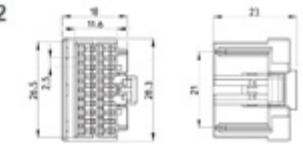
Application Specifications:

- 114-5108 (O40 tab contacts)
- 114-5094 (O40 receptacle contacts)
- 114-5162 (O40 receptacle contacts)

174912-2



175967-2



175966-2



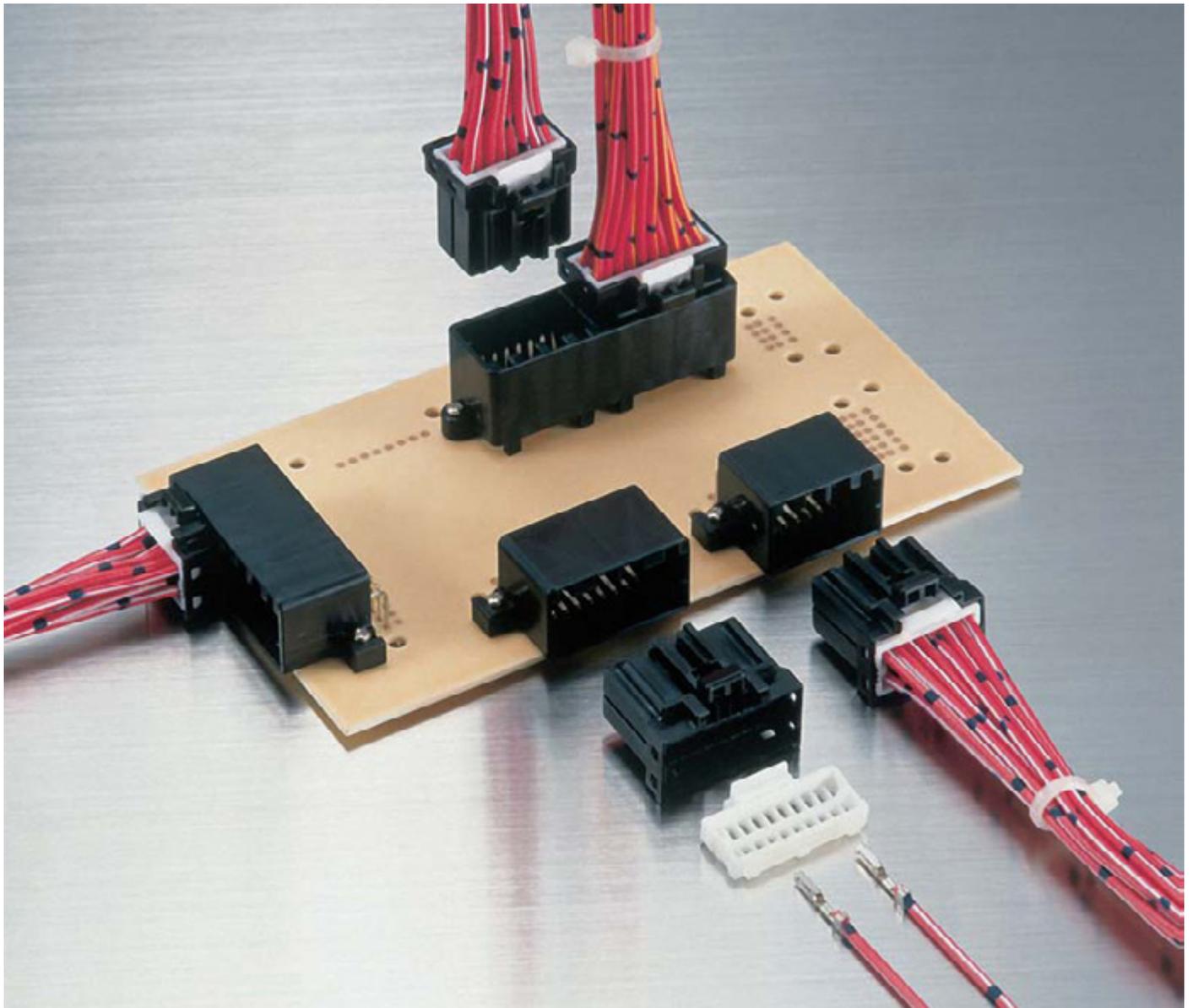
No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
28	Board	-	-	175976-2	-	12P: 175965-2 16P: 175966-2
36	Board	-	-	174912-2	175977-2	20P: 175967-2 16P: 175966-2

Note: All Part Numbers are RoHS and ELV compliant.

MULTILOCK CONNECTOR SYSTEM

.070 MULTILOCK Connectors Mark I and Mark II

Derived from highly durable and reliable MIC Connectors, .070 Series MULTILOCK Connectors are designed as high density and high reliability connectors by adopting housing lances for Wire-to-Wire and Wire-to-Board Applications.



Powertrain Systems



Safety & Security Systems



Convenience



Driver Information



Body & Chassis Systems

FEATURES

- Wire-to-Wire and wire-to-board connectors are available.
- The Mark I plug connectors are provided with doublelock plates integrated into the body which ensures complete contact insertions into housings.
- The Mark II plug connectors are provided with two piece type double-lock mechanism to prevent half insertions of contacts.
- The contacting point of a receptacle contact is designed to be protected.

APPLICATION SPECIFICATIONS

- 114-5091 (Receptacle)
- 114-5134 (Receptacle)
- 114-5092 (Tab)
- 114-5157 (Tab)

PRODUCT SPECIFICATIONS

- 108-5216,
- 108-5264

INSTRUCTION SHEET

- 412-5520 (Mark I)
- 412-5477 (Mark II)

Available No. of Positions for

- Wire-to-Wire Applications:
 - 2, 3, 4, 6, 8, 10, 12, 14, 18, 20, 30 Positions
- Wire-to-Board Applications:
 - (Vertical Mount Type): 3, 6, 8, 12, 14, 20, 30 Positions
 - (Horizontal Mount Type): 3, 6, 8, 10, 12, 14, 18, 20, 24, 30, 42 Positions

Note: For performance specifications of the hybrid type connector, contact our Sales Department.

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Brass
- Phosphor bronze

Contact Finishes:

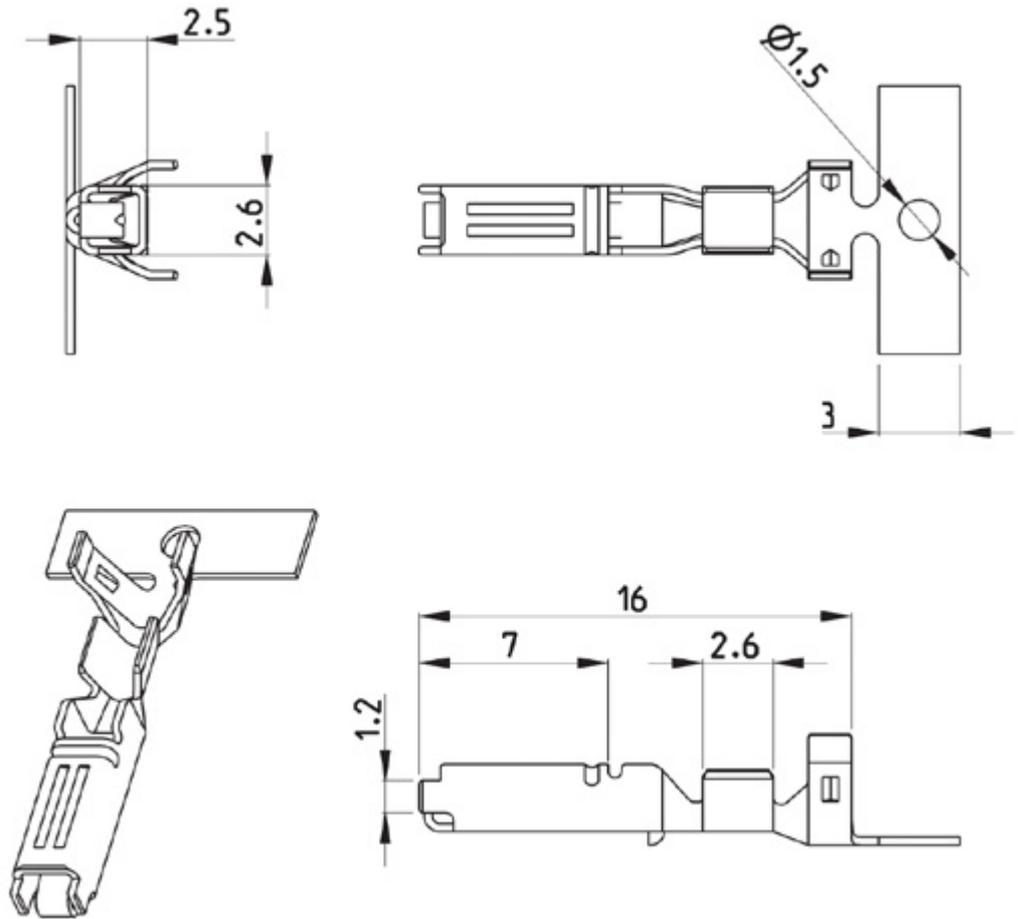
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5091
- 114-5134

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers				
(mm ²)	(AWG)			Strip Form		Loose-Piece		Hand Tool
				Brass	Phosphor Bronze	Brass	Phosphor Bronze	
0.2-0.3	24-22	1.4-1.9	Pre-tinned	173630-1	173630-6	175026-1	175026-6	91580-1
			Sel. gold	173630-2	173630-7	175026-2	175026-7	91580-1
0.50-1.25	20-16	2.0-2.6	Pre-tinned	173631-1	173631-6	175027-1	175027-6	91573-1
			Sel. gold	173631-2	173631-7	175027-2	175027-7	91573-1
0.3-0.5	24-20	1.0-1.5	Pre-tinned	175124-1	-	-	-	-
0.50-1.25	20-16	1.2-2.2	Pre-tinned	175095-1	-	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

TAB CONTACTS (FOR CAP HOUSING)

TECHNICAL FEATURES

Contact Material:

- Brass
- Phosphor bronze

Contact Finishes:

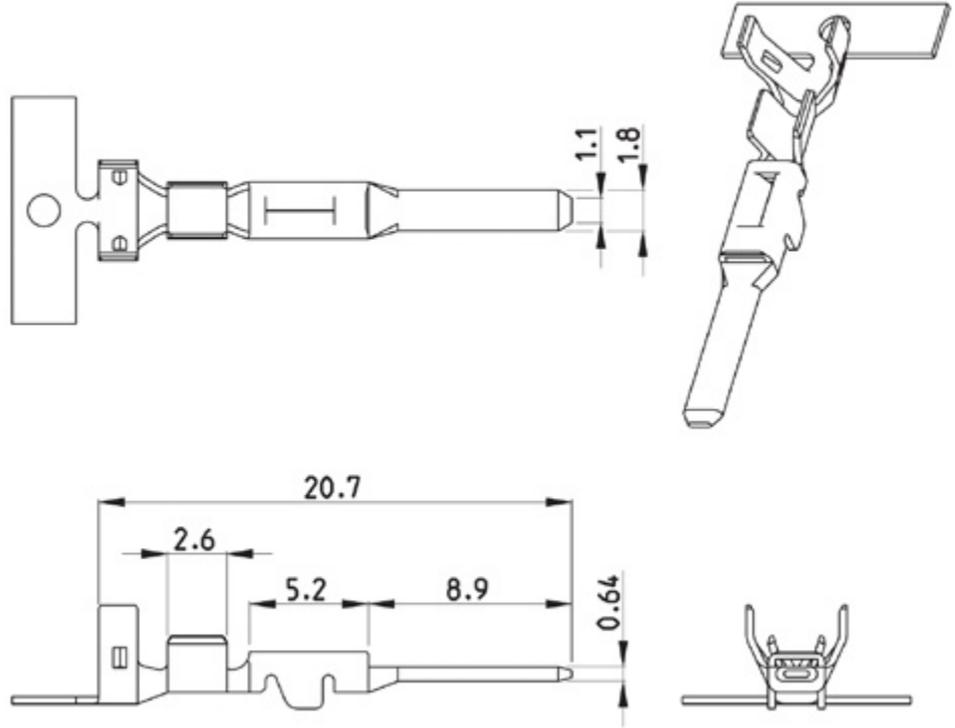
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5092
- 114-5157

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers				
(mm ²)	(AWG)			Strip Form		Loose-Piece		Hand Tool
				Brass	Phosphor Bronze	Brass	Phosphor Bronze	
0.2-0.3	24-22	1.4-1.9	Pre-tinned	173633-1	173633-2	175029-1	175029-2	91580-3
			Sel. gold	-	173633-3	-	175029-3	91580-3
0.50-1.25	20-16	2.0-2.6	Pre-tinned	173645-1	173645-2	175030-1	175030-2	91573-1
			Sel. gold	-	173645-3	-	175030-3	91573-1
0.2-0.3	24-22	0.3-0.5	Pre-tinned	175207-1	-	-	-	-
0.50-1.25	20-16	1.2-2.2	Pre-tinned	175208-1	-	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 2 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

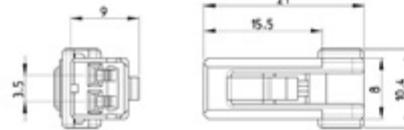
Product Specification:

- 108-5264

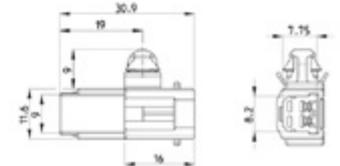
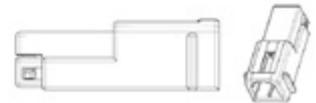
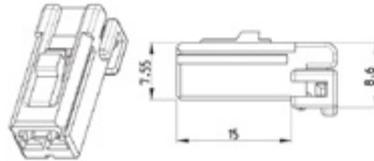
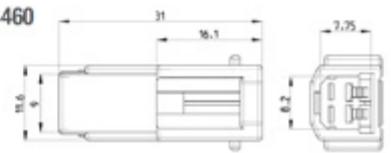
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

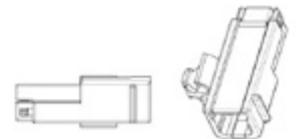
174463



174460



178602



TECHNICAL FEATURES

No. of Positions:

- 3 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

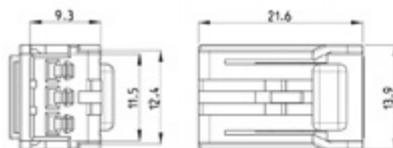
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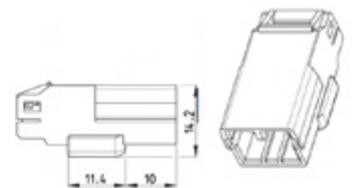
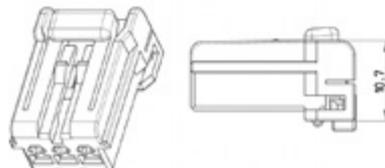
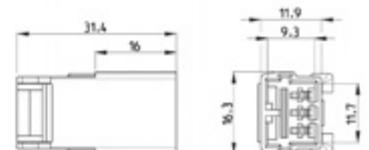
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

174921



174928



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
2	Wire	174463-1	174460-1 131844-1 (Panel Mount) 178602-1 (Panel Mount)	-	-	-
3	Wire	174921-1	174928-1	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 4 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Cap Housing: PBT
- Plug Housing: PBT

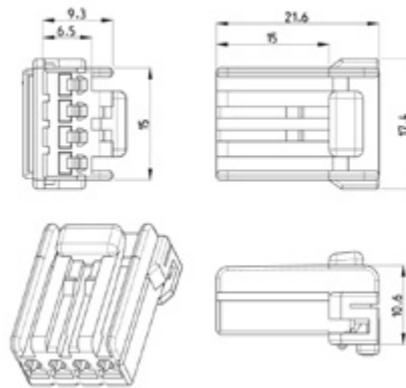
Product Specification:

- 108-5264

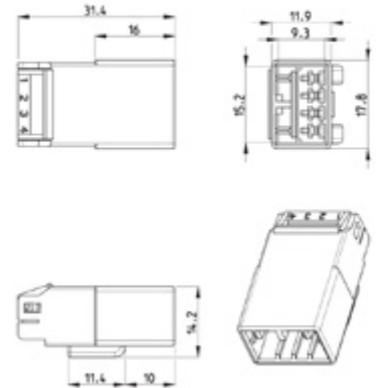
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

174922



174929



TECHNICAL FEATURES

No. of Positions:

- 6 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

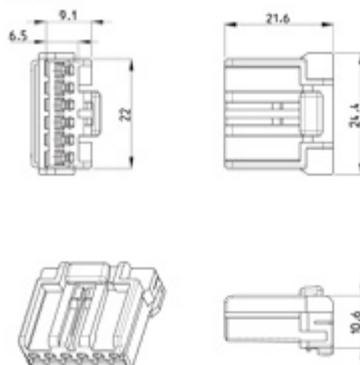
Product Specification:

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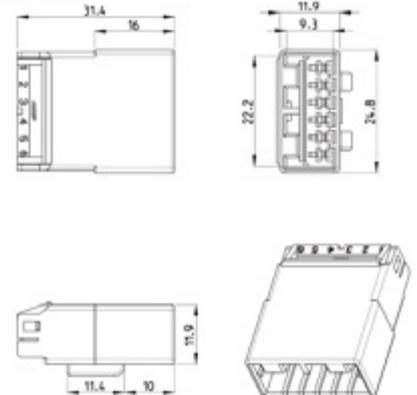
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

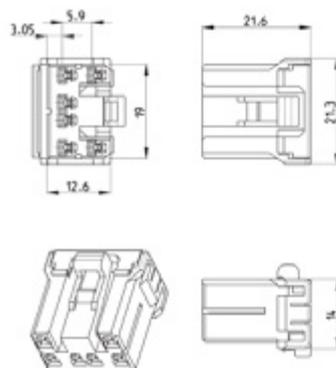
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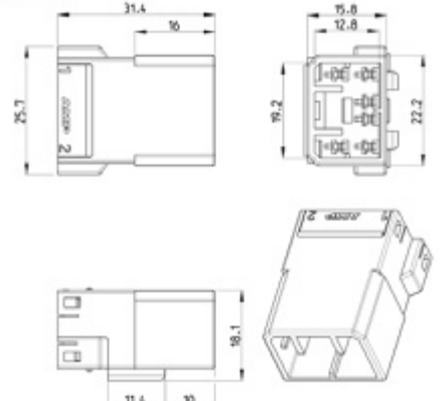
174930



175658



175657



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
4	Wire	174922-1	174929-1	-	-	-
6	Wire	174923-1 175658-1	174930-1 175657-1	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

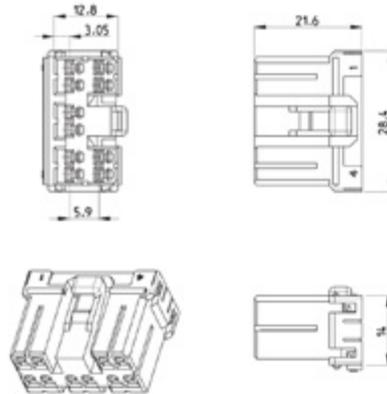
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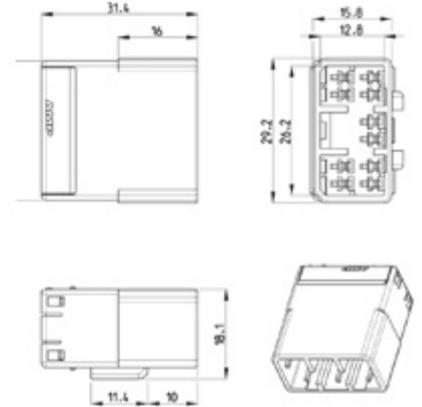
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

174465



174932



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Wire	173850-1	174931-1 174937-1	-	-	-
10	Wire	174465-1	174932-1	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

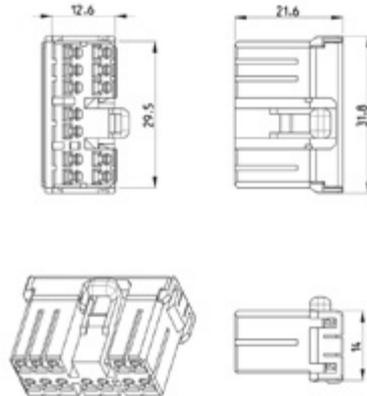
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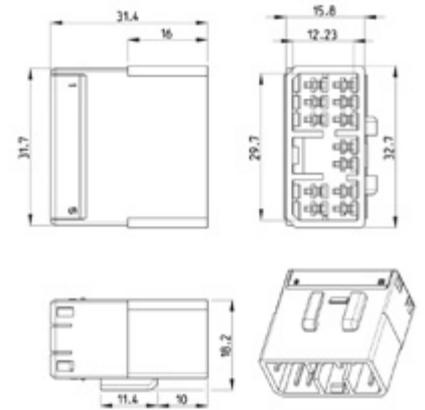
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

173851



174933



TECHNICAL FEATURES

No. of Positions:

- 14 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

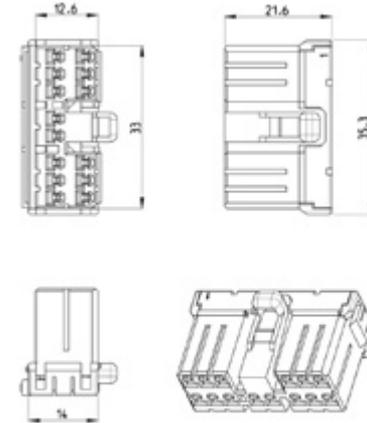
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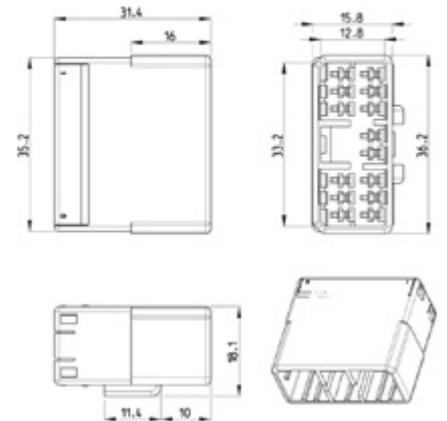
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

173852



174934



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
12	Wire	173851-1	174933-1	-	-	-
14	Wire	173852-1	174934-1	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 18 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

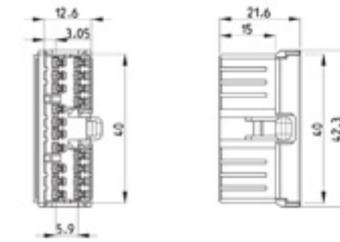
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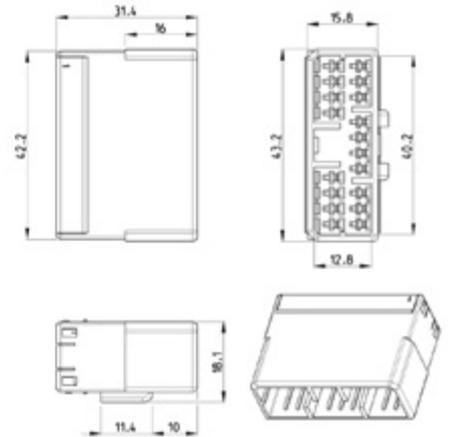
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

173853



174935



TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

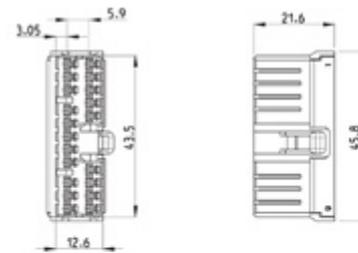
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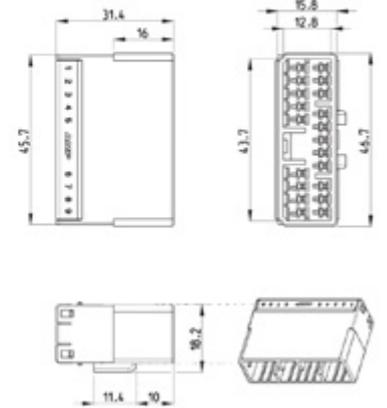
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

174952



174936



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
18	Wire	173853-1	174935-1	-	-	-
20	Wire	174952-1	174936-1 174938-1 (Panel Mount)	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-WIRE APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 30 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

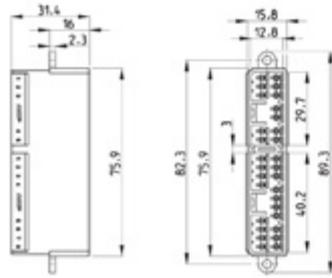
Product Specification:

- 108-5264

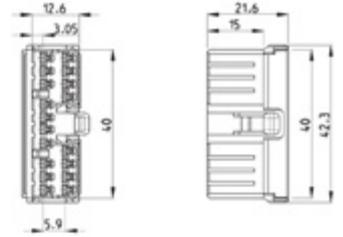
Application Specifications:

- 114-5091 (Receptacle)
- 114-5092 (Tab)

174939



173853



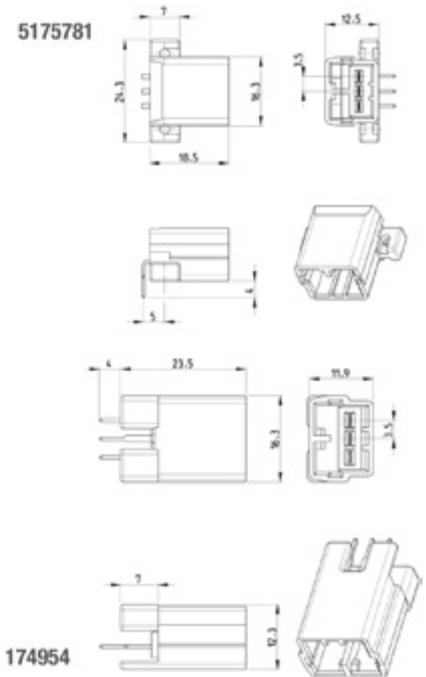
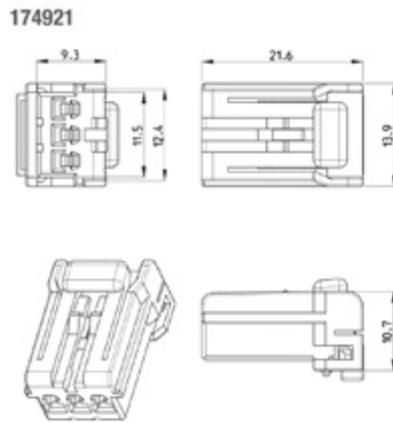
No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
30	Wire	-	174939-1 (Panel Mount)	-	-	173853-1 173851-1

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

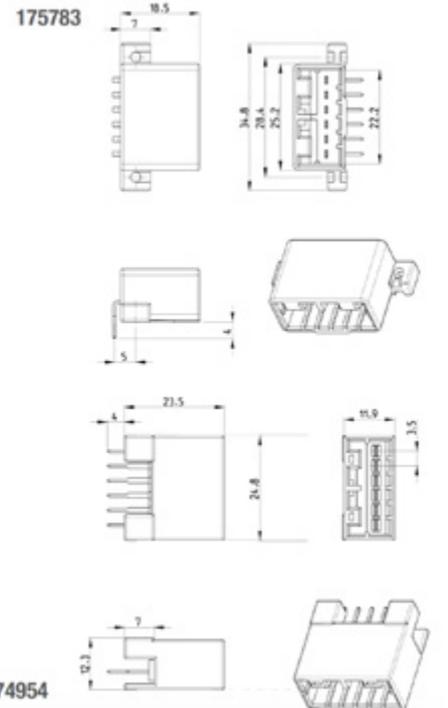
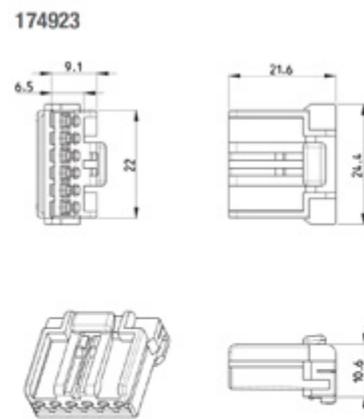
TECHNICAL FEATURES

- No. of Positions:**
 - 3 Positions
- Applicable Wires:**
 - 0.2-1.25 mm² (AWG 24-16)
- Raw Material:**
 - Housing
 Cap: PBT
 Plug: PBT
- Product Specification:**
 - 108-5471
- Application Specifications:**
 - 114-5091 (Receptacle)



TECHNICAL FEATURES

- No. of Positions:**
 - 6 Positions
- Applicable Wires:**
 - 0.2-1.25 mm² (AWG 24-16)
- Raw Material:**
 - Housing
 Cap: PBT
 Plug: PBT
- Product Specification:**
 - 108-5216
- Application Specifications:**
 - 114-5091 (Receptacle)



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
3	Board	174921-1	-	5175781-1	174953-1	-
6	Board	174923-1	-	175783-1	174954-1	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

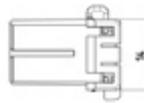
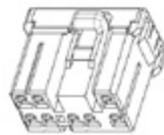
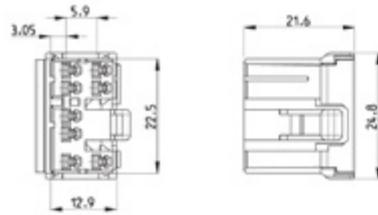
Product Specification:

- 108-5216

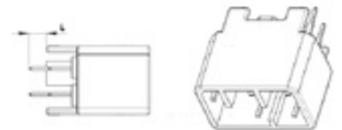
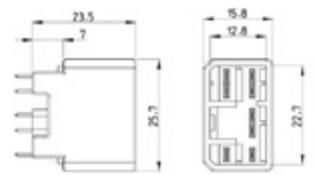
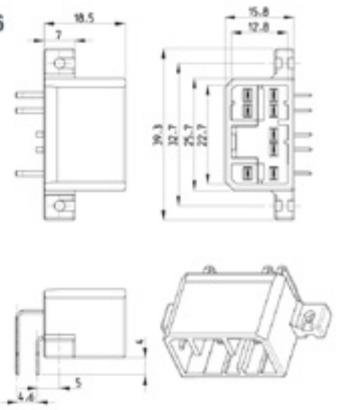
Application Specifications:

- 114-5091 (Receptacle)

173850



173856



174955

TECHNICAL FEATURES

No. of Positions:

- 10 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

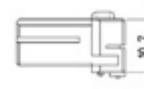
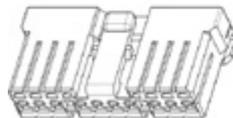
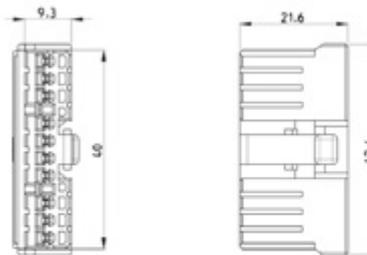
Product Specification:

- 108-5216

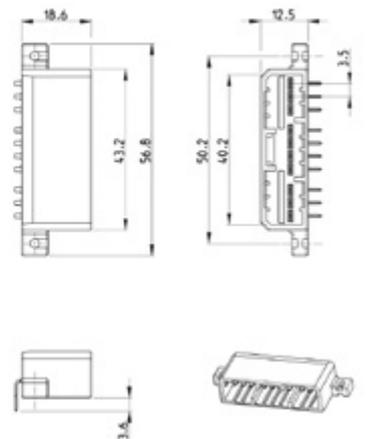
Application Specifications:

- 114-5091 (Receptacle)

174464



174467



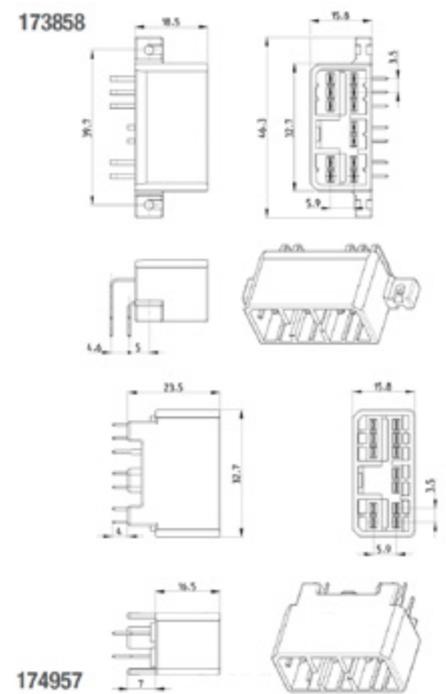
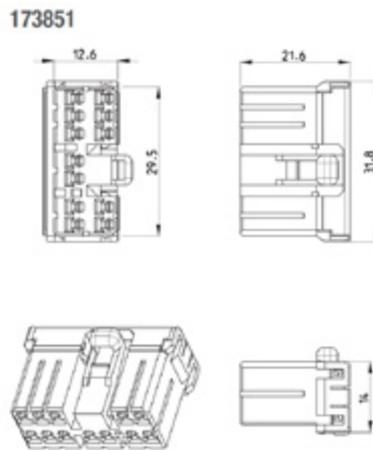
No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Board	173850-1 176113-1 Mark II	-	173856-1 179096-1 Flange cut	174955-1	-
10	Board	174464-1 176115-1 Mark II	-	174467-1	-	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

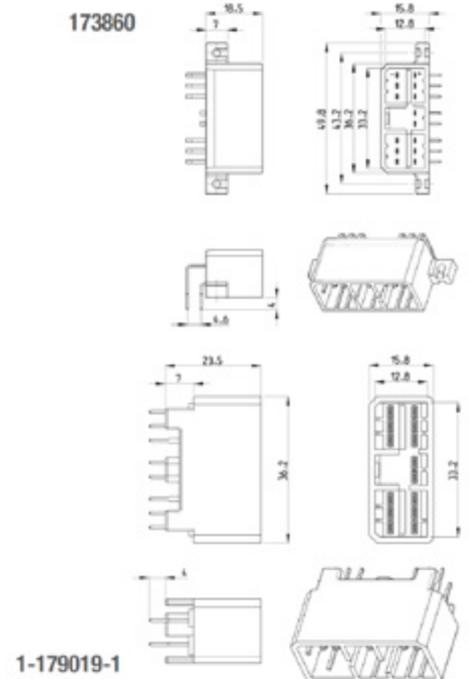
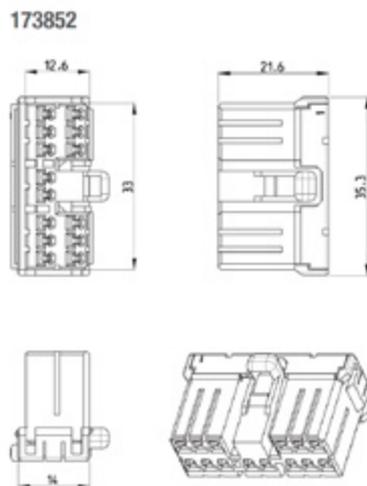
TECHNICAL FEATURES

- No. of Positions:**
- 12 Positions
- Applicable Wires:**
- 0.2-1.25 mm² (AWG 24-16)
- Raw Material:**
- Housing
Cap: PBT
Plug: PBT
- Product Specification:**
- 108-5216
- Application Specifications:**
- 114-5091 (Receptacle)



TECHNICAL FEATURES

- No. of Positions:**
- 14 Positions
- Applicable Wires:**
- 0.2-1.25 mm² (AWG 24-16)
- Raw Material:**
- Housing
Cap: PBT
Plug: PBT
- Product Specification:**
- 108-5216
- Application Specifications:**
- 114-5091 (Receptacle)



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
12	Board	173851-1 176116-1 Mark II	-	173858-1	174957-1	-
14	Board	173852-1 176117-1 Mark II	-	173860-1	1-179019-1	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 18 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

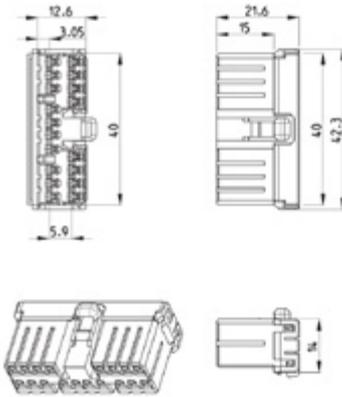
Product Specification:

- 108-5216

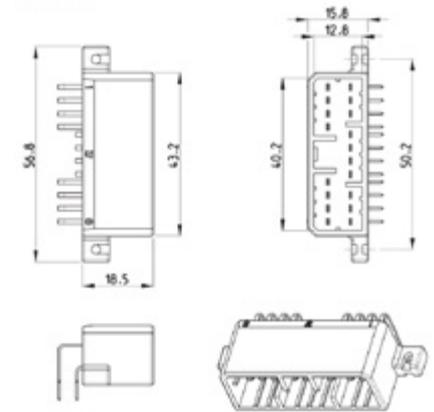
Application Specifications:

- 114-5091 (Receptacle)

173853



173863



TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

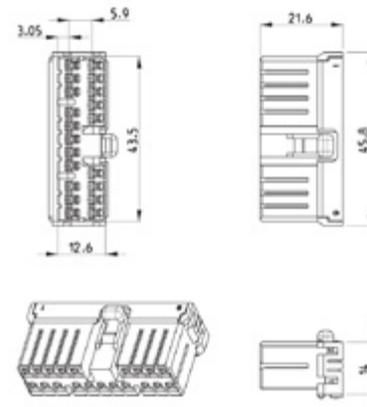
Product Specification:

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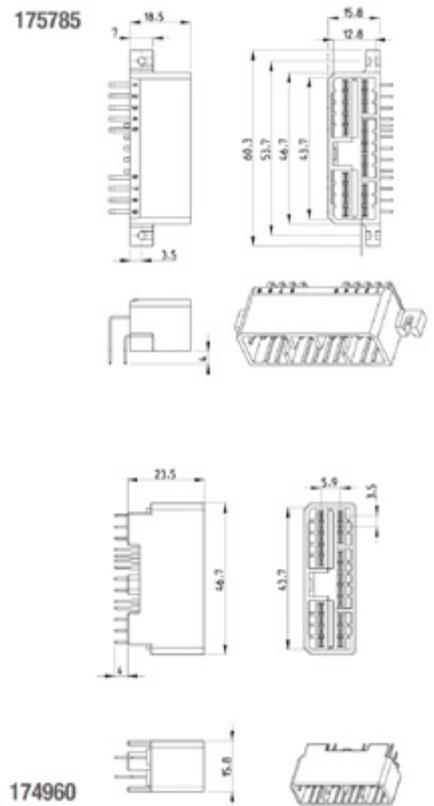
Application Specifications:

- 114-5091 (Receptacle)

174952



175785



174960

No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
18	Board	173853-1 173118-1 Mark II	-	173862-1	-	-
20	Board	174952-1 176119-1 Mark II	-	175785-1	174960-1	-

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 42 Positions

Applicable Wires:

- 0.2-1.25 mm² (AWG 24-16)

Raw Material:

- Housing
- Cap: PBT
- Plug: PBT

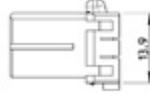
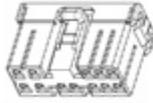
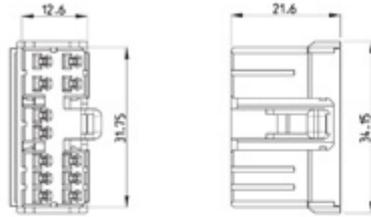
Product Specification:

- 108-5216

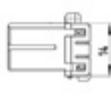
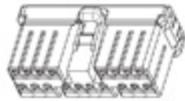
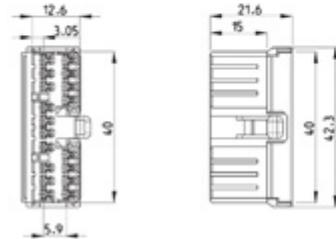
Application Specifications:

- 114-5091 (Receptacle)

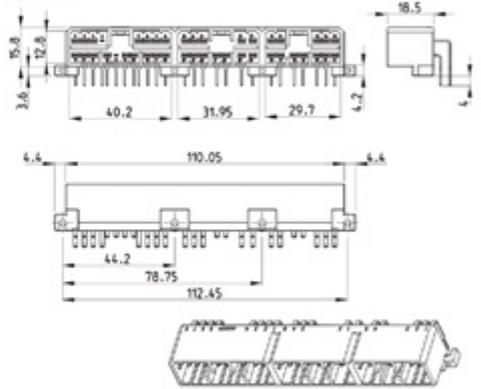
174481



173853



174480



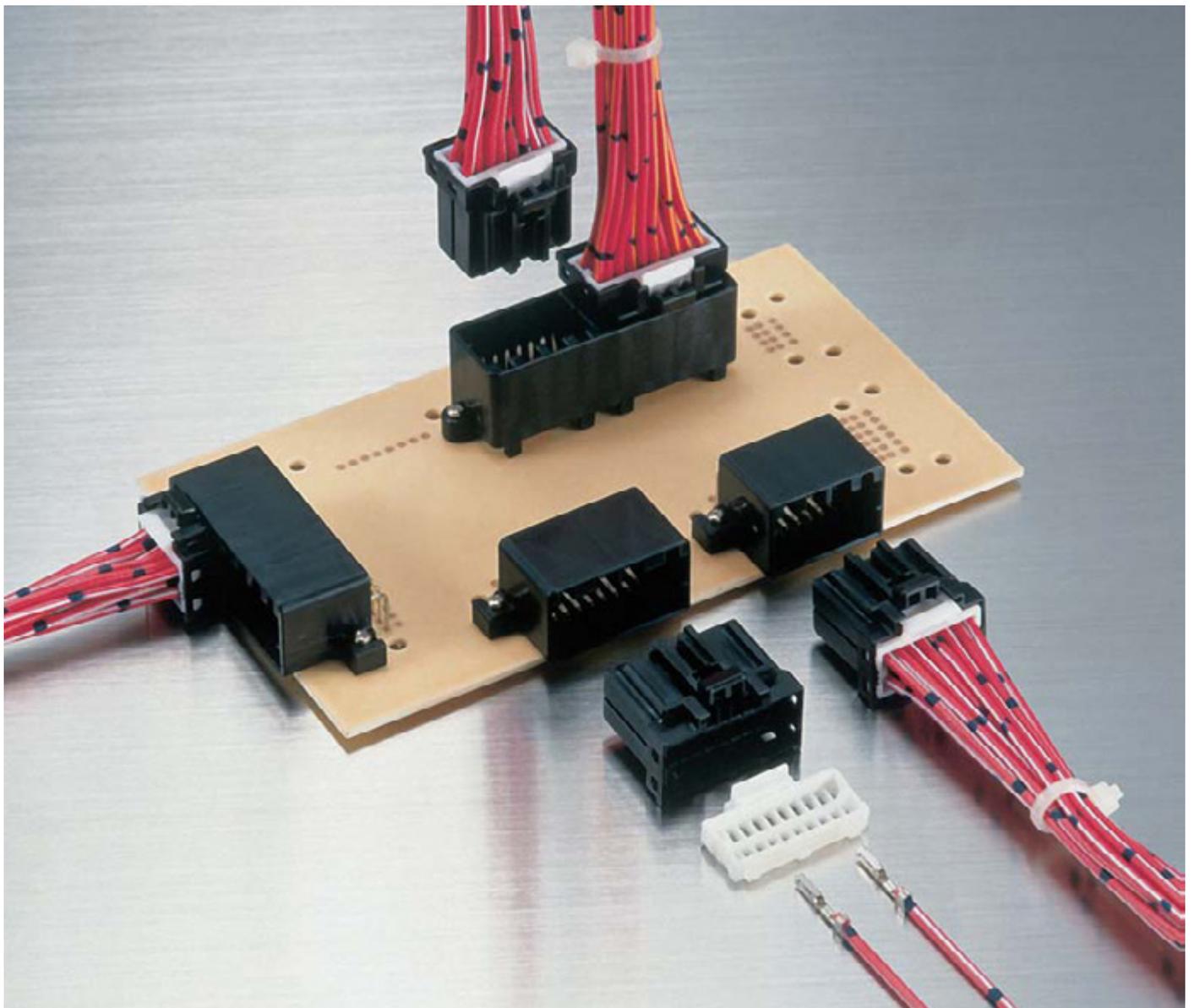
No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
42	Board	174481-1 (12p) 173851-1 (12p) 173853-1 (18p)	-	174480-1	-	-

Note: All Part Numbers are RoHS and ELV compliant.

MULTILOCK CONNECTOR SYSTEM

.025 (0.64 mm) Series Connectors

.025 (0.64 mm) Series Connectors are High- Density Connectors for Automotive Applications such as ECU and down sized Wire Harnesses.



Powertrain Systems



Safety & Security Systems



Convenience



Driver Information



Body & Chassis Systems

FEATURES

- Connectors for automotive applications suitable for high-density mountings.
- Designed to resist deformation of contacts by scooping at mating/unmating.
- Low insertion force contacts optimized to tolerate fretting corrosion.
- Side-locks prevent halfmating of connector halves and increase connector retention force.
- Without closing double locks, connectors cannot mate.
- Hybrid types of 0.25/.040 and 0.25/.090 are also available.
- Many numbers of positioned housings will be available.

See the following pages for Application Specifications, Product Specification and Instruction Sheet.

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

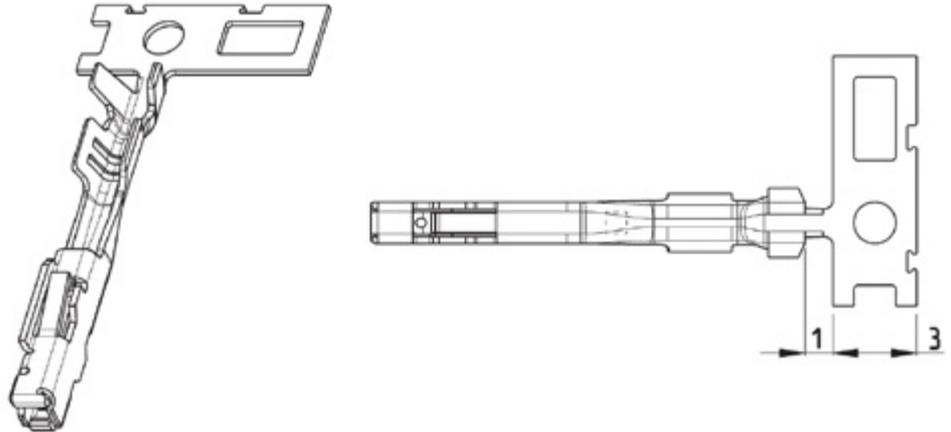
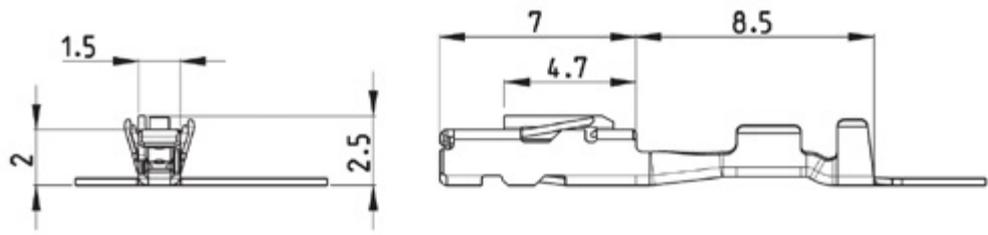
- Pre-tin plated
- Post-tin plated
- Selective gold plated

Application Specifications:

- 114-5250-1
- 114-5276-1

Instruction Sheet:

- 411-5981



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers	
(mm ²)	(AWG)			Strip Form	Loose-Piece
0.22-0.5	-	0.95-1.70	Copper Alloy, pre-tin plated	173630-1	175026-1
			Copper Alloy, selective gold plated	173630-2	175026-2
0.3-0.5	-	1.10-1.35	Copper Alloy, post-tinned	1318688-1	-
0.08-0.14	-	1.1-1.4	Copper Alloy, post-tinned	1565403-1	-
0.22	-	0.8-1.2	Copper Alloy, post-tinned	1565404-1	-

Note: All Part Numbers are RoHS and ELV compliant.

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

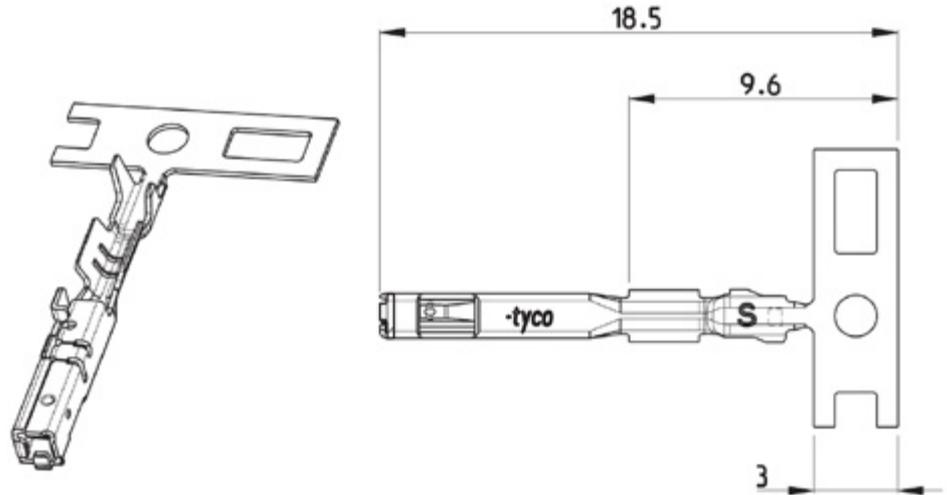
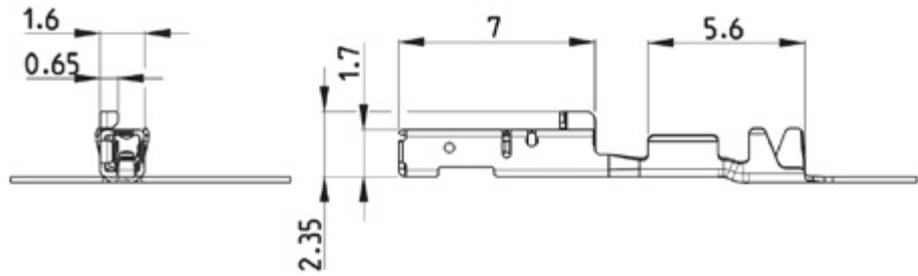
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5329-1

Instruction Sheet:

- 411-78188
- 411-78187



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers	
(mm ²)	(AWG)			Strip Form	Loose-Piece
0.13-0.22	-	0.81-1.05	Copper Alloy, pre-tin plated	1674936-1	1827805-1
			Copper Alloy, selective gold plated	1674936-2	1827805-2
0.35-0.50	-	1.06-1.70	Copper Alloy, post-tinned	1674311-1	1827804-1
			Copper Alloy, selective gold plated	1674311-2	1827804-2

Note: All Part Numbers are RoHS and ELV compliant.

RECEPTACLE CONTACTS (FOR PLUG HOUSING)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy
- Brass

Contact Finishes:

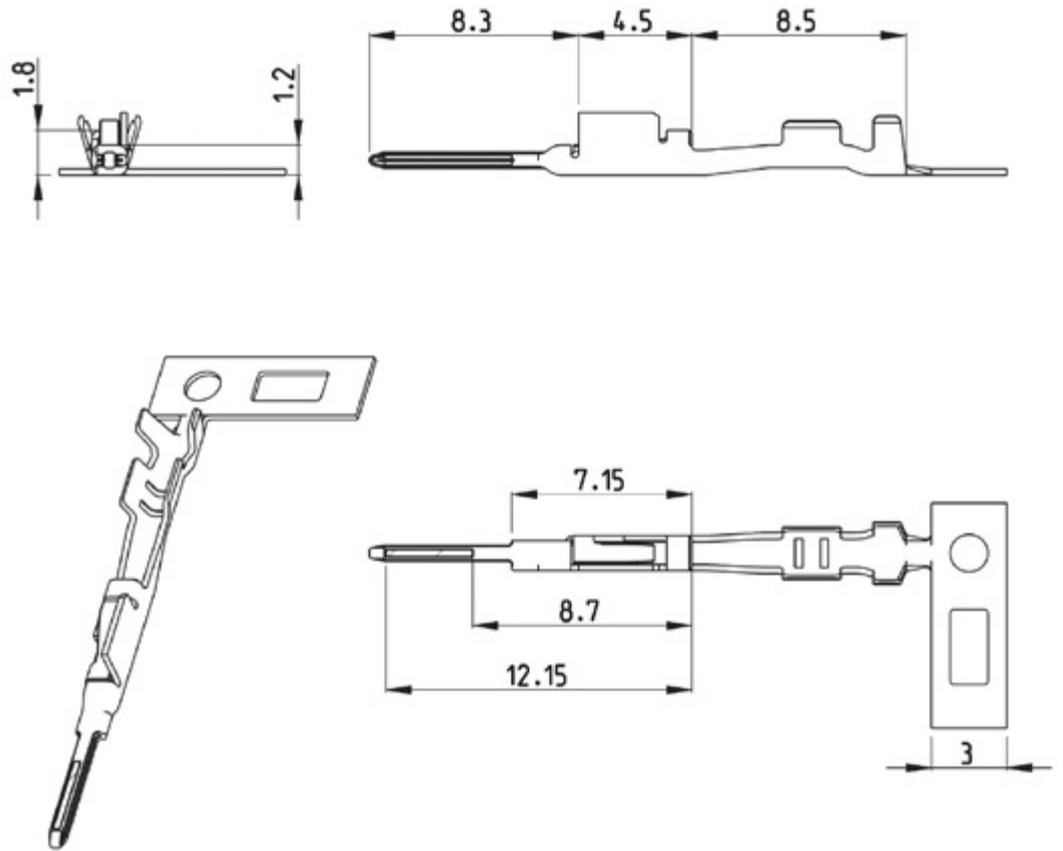
- Pre-tin plated
- Post-tin plated
- Selective gold plated

Application Specifications:

- 114-5291-1
- 114-5276-1

Instruction Sheet:

- 411-5981



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers	
(mm ²)	(AWG)			Strip Form	Loose-Piece
0.22-0.50	-	0.95-1.70	Brass, pre-tin plated	1376109-1	1376607-1
			Brass, selective gold plated	1376109-2	1376607-2
0.08-0.14	-	1.1-1.4	Copper Alloy, post-tinned	1473818-1*	-
0.22	-	0.8-1.2	Copper Alloy, post-tinned	1565406-1*	-

*) IDC Terminal Version.

Note: All Part Numbers are RoHS and ELV compliant.

.040 (1.0 MM) RECEPTACLE CONTACTS (FOR SOME .025 SERIES AND HYBRID PLUGS)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

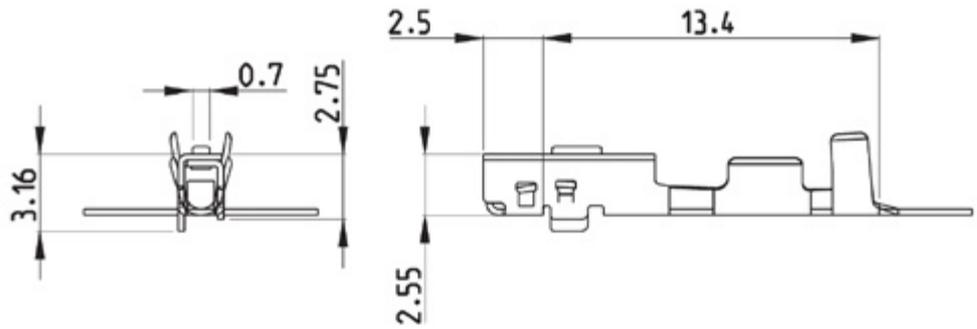
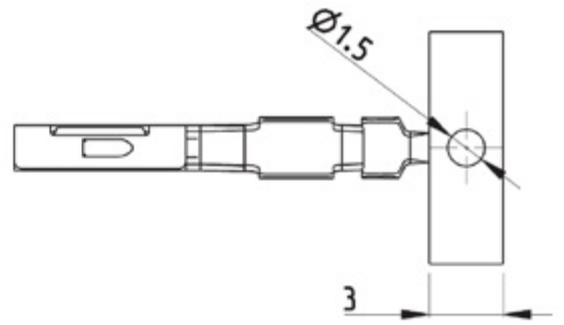
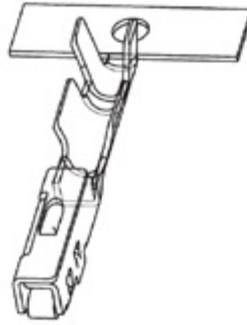
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5217-1

Instruction Sheet:

- 411-78003



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers	
(mm ²)	(AWG)			Strip Form	Loose-Piece
0.3-0.5	-	1.4-1.7	Copper Alloy, pre-tin plated	316836-1	1376700-1
			Copper Alloy, selective gold plated	316837-2	1376701-2

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 2 Positions

Housing Materials:

- PBT

Wire Size Range:

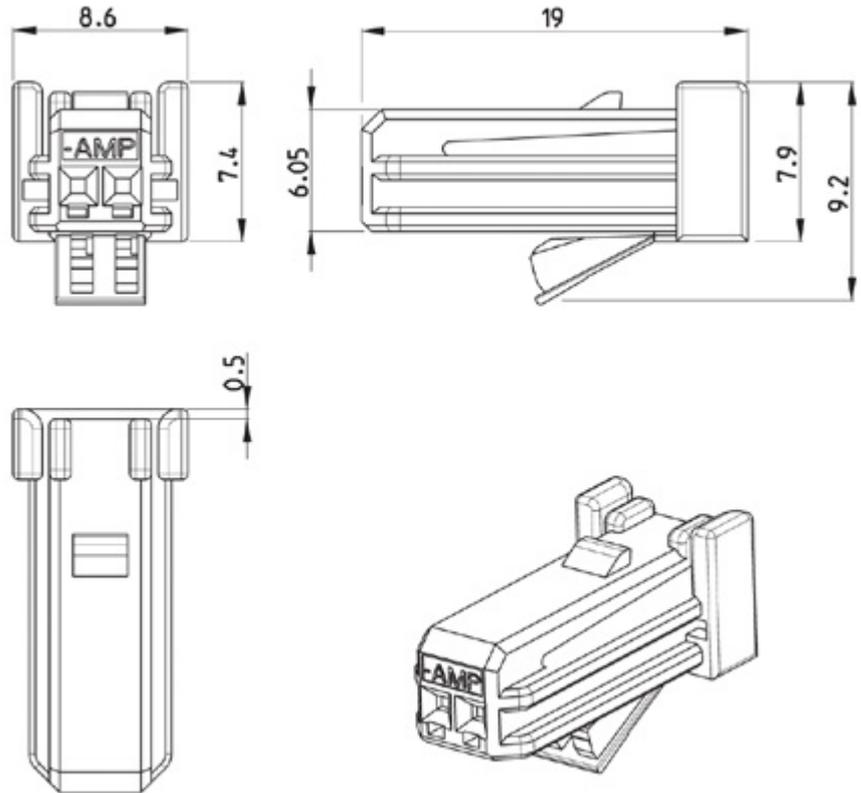
- 0.22-0.5 mm²

Product Specification:

- 108-5675

Application Specifications:

- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
2	Board	1473143-1 1473143-2	N/A	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 4 Positions

Housing Materials:

- PBT, SPS

Wire Size Range:

- 0.13-0.5 mm²

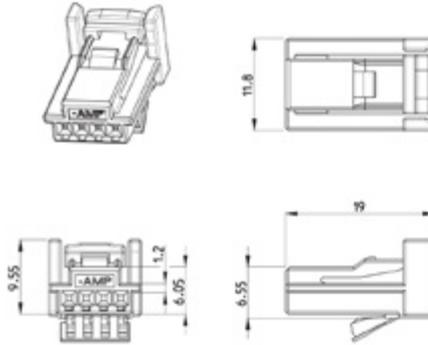
Product Specification:

- 108-5675
- 108-5660
- 108-78247

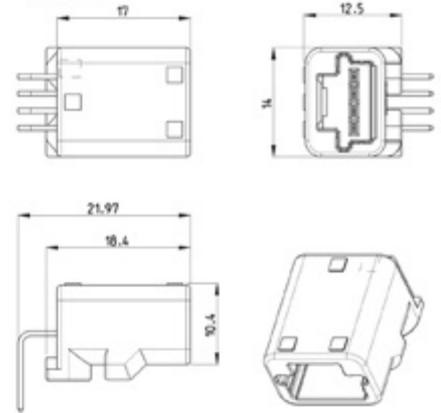
Application Specifications:

- 114-5250
- 114-5329

1473672



1565749



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
4	Wire	1473800-1 ¹⁾ (sub plug for IDC contact) 1473801-1 ¹⁾ (lock housing for IDC contact) *) 1717248-1 ¹⁾	1473790-1	-	-	-
4	Board	1318620-2 ²⁾	-	-	1376515-1	-
4	Board	1473672-1 ²⁾	-	1565749-1 1-1565749-0	-	-
		1473672-1 (key 1)	-	1565749-1 (key 1)	-	-
		1473672-2 (key 2)	-	1565749-3 (key 2)	-	-
4	Board	1746911-1 ³⁾	-	1746909-1	-	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

*) IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 6 Positions

Housing Materials:

- PBT

Wire Size Range:

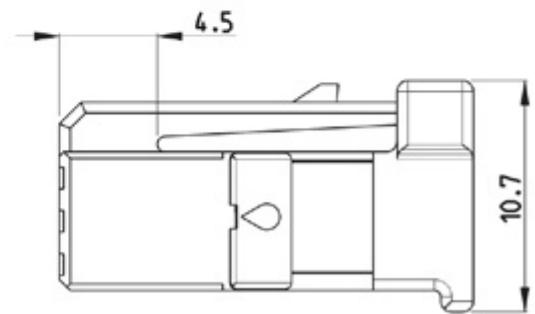
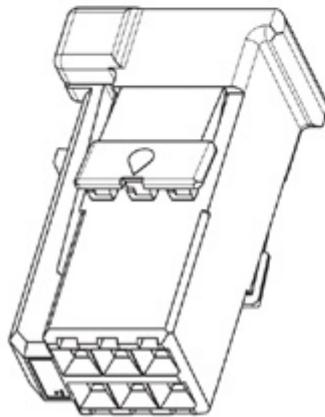
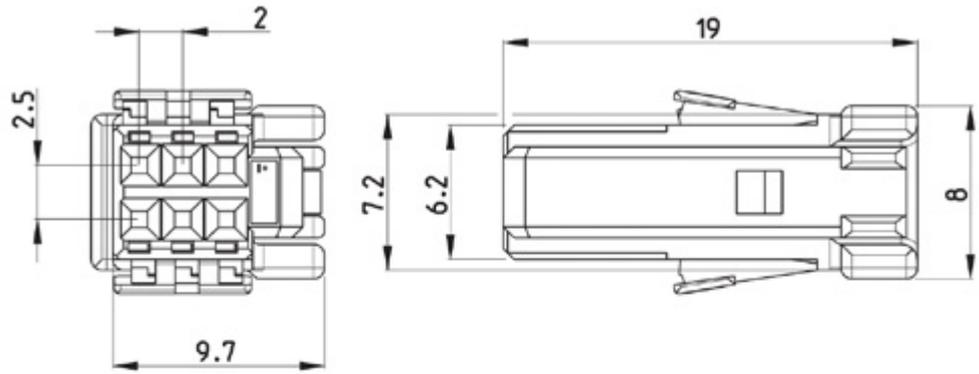
- 0.22-0.5 mm²

Product Specification:

- 108-5620

Application Specifications:

- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
6	Wire	1318305-2 ²⁾	-	-	-	-

²⁾ Contact Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 7 Positions

Housing Materials:

- PBT

Wire Size Range:

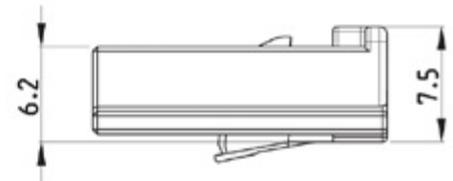
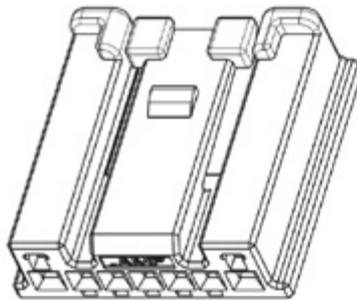
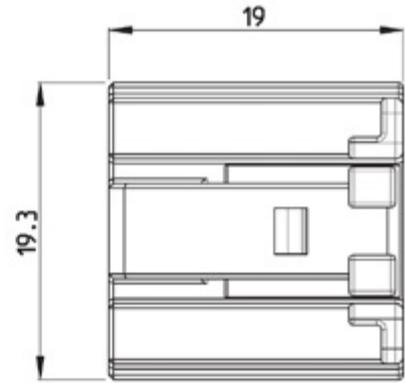
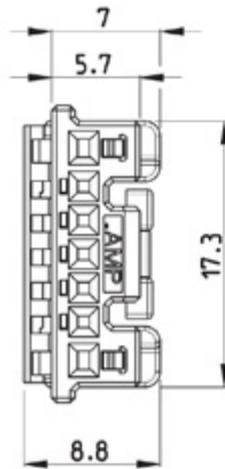
- 0.22-0.5 mm²

Product Specification:

- 108-5664

Application Specifications:

- 114-5217
- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
7	Wire	1318801-1 ²⁾	-	-	-	-

²⁾ Contact Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 8 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

- 0.13-0.5 mm²

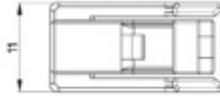
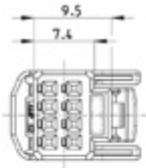
Product Specification:

- 108-5660
- 108-5664
- 108-5931
- 108-5668

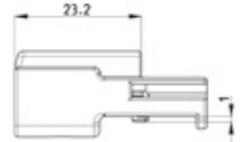
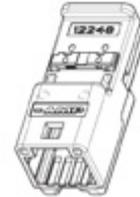
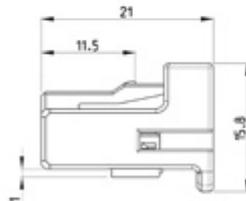
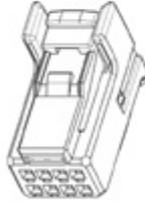
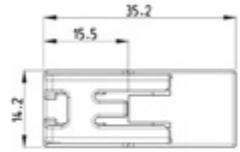
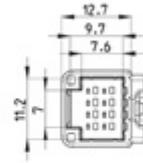
Application Specifications:

- 114-5329
- 114-5250

1376352



1473793



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
8	Wire	1376352-1 ²⁾ 1717103-1 ³⁾ (sub plug for IDC contact) 1473800-1 ¹⁾ (lock housing for IDC contact)) 1473802-1 ¹⁾	1473793-1	-	-	-
8 (2 row)	Board	1376352-1 ²⁾ 1717103-1 ³⁾ (sub plug for IDC contact) 1473800-1 (lock housing for IDC contact)) 1473802-1	-	1376350-2 1376350-9	1939403-1 (SMD)	-
8 (1 row)	Board	1376368-1 ²⁾ 1746875-1 ³⁾	-	1376366-2 1376366-8 1747285-2	-	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

^{*}) IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 12 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

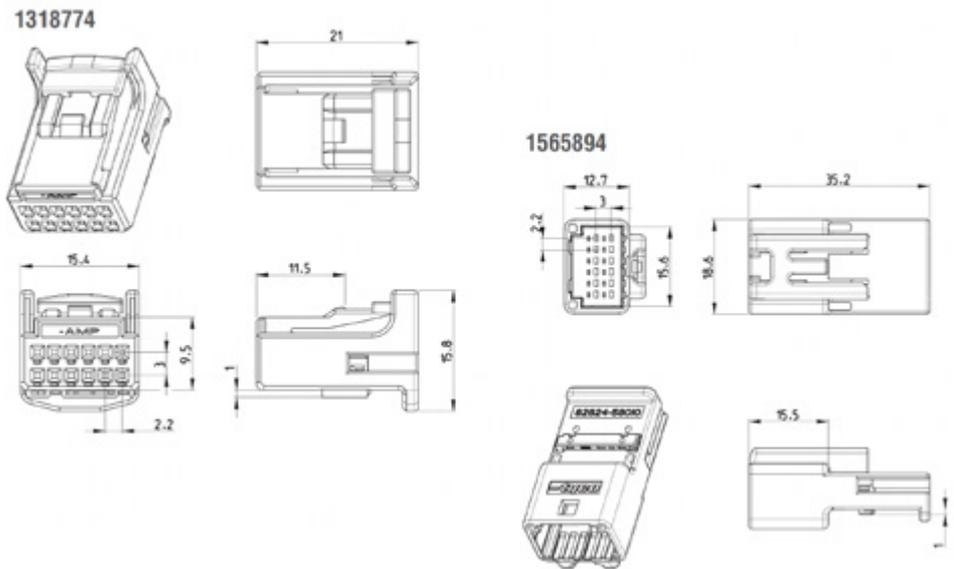
- 0.13–0.5 mm²

Product Specification:

- 108-5660
- 108-5931
- 108-5668

Application Specifications:

- 114-5329
- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
12	Wire	1318774-1 ²⁾ 1376675-1 ²⁾ (short body) 1717106-1 ³⁾ 1746872-1 ²⁾ (short body) 1473809-1 ¹⁾ (sub plug for IDC contact) 1473810-1 ¹⁾ (lock housing for IDC contact)) 1717591-1 ¹⁾	1565894-1	-	-	-
12	Board	1318774-1 ²⁾ 1376675-1 ²⁾ (short body) 1717106-1 ³⁾ 1746872-1 ²⁾ (short body) 1473809-1 (sub plug for IDC contact) 1473810-1 (lock housing for IDC contact)) 1717591-1 ²⁾	-	1-1318772-3 1318772-2	1473898-4 1473898-1	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

^{*)} IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 16 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

- 0.13–0.5 mm²

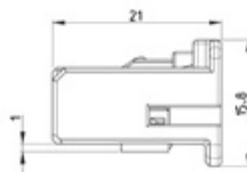
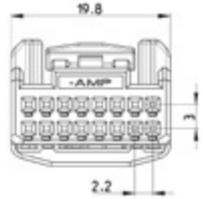
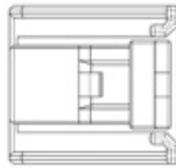
Product Specification:

- 108-5660
- 108-5931
- 108-5668

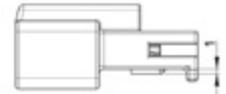
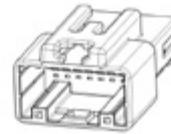
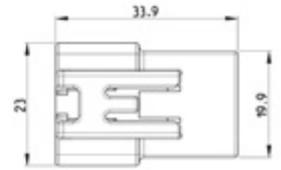
Application Specifications:

- 114-5329
- 114-5250

1318386



1376106



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
16	Wire	1318386-1 ²⁾ 11717109-1 ³⁾ 1318692-1 (sub plug for IDC contact) 1318694-1 (lock housing for IDC contact) 1318690-1 ⁴⁾	1376106-1 1473203-1 1473796-1	-	-	-
16	Board	1318386-1 ²⁾ 11717109-1 ³⁾ 1318692-1 (sub plug for IDC contact) 1318694-1 ⁴⁾ (lock housing for IDC contact) 1318690-1	1612040-2 (SMD bottom entry)	1318382-2 1318382-3	1565476-1 1717396-2 (SMD)	-

²⁾ Contact Lance Version

³⁾ Housing Lance Version

⁴⁾ IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 20 Positions

Housing Materials:

- PBT

Wire Size Range:

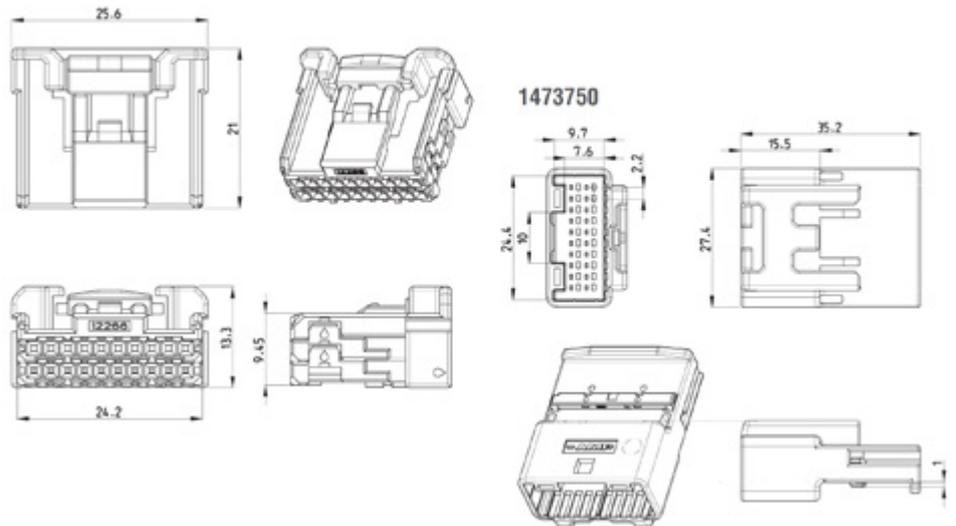
- 0.22-0.5 mm²

Product Specification:

- 108-5660

Application Specifications:

-



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
12	Wire	1473807-1 (sub plug for IDC contact) 1473808-1 (lock housing for IDC contact) 1717249-1*)	1473750-1	-	-	-

*) IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 24 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

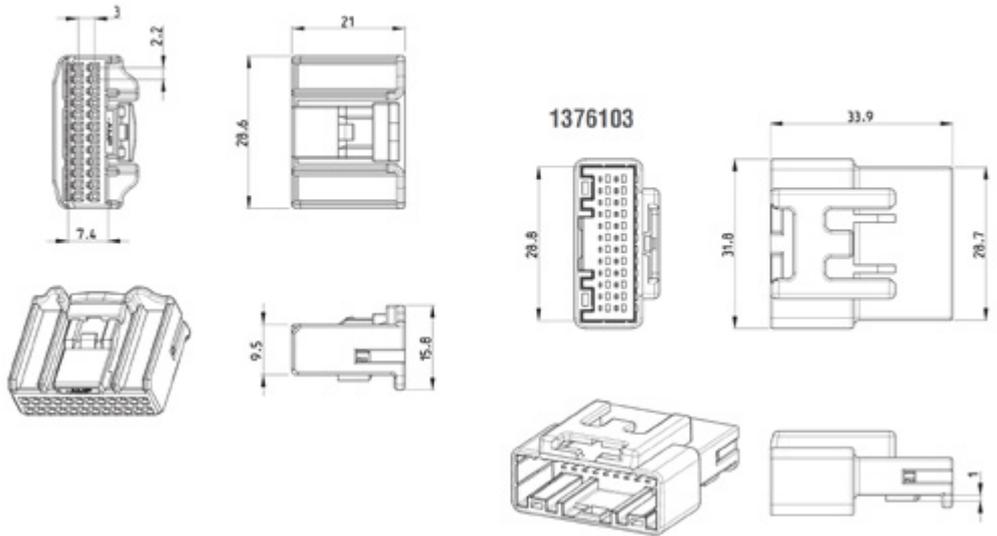
- 0.13-0.5 mm²

Product Specification:

- 108-5660
- 108-5931
- 108-5668

Application Specifications:

- 114-5329
- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
24	Wire	1318917-1 ²⁾ 1717112-1 ³⁾ 1473803-1 (sub plug for IDC contact) 1473804-1 (lock housing for IDC contact) 1746126-1 ^{*)}	1376103-1	-	-	-
24	Board	1318917-1 ²⁾ 1717112-1 ³⁾ 1473803-1 (sub plug for IDC contact) 1473804-1 (lock housing for IDC contact) 1746126-1 ^{*)}	-	1-1318853-3 1318853-2	1376111-2 1376111-6 1717394-2 (SMD)	-
24	-	N/A	1-1612048-0 (low profile)	-	-	-

²⁾ Contact Lance Version

³⁾ Housing Lance Version

^{*)} IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 28 Positions

Housing Materials:

- PBT

Wire Size Range:

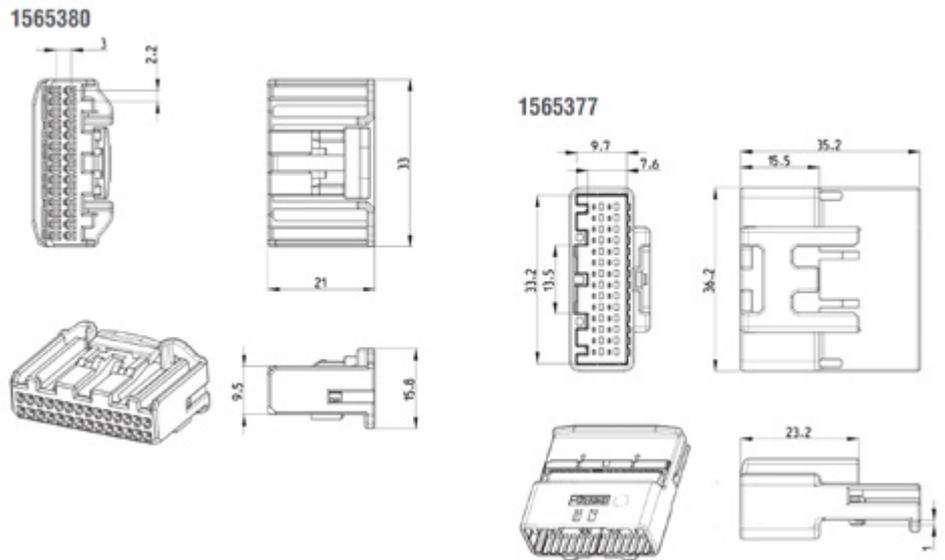
- 0.13-0.5 mm²

Product Specification:

- 108-5931
- 108-5668

Application Specifications:

- 114-5329
- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
28	Wire	1565380-1 ²⁾ 1717115-1 ³⁾	1565377-1	-	-	-
28	Board	1565380-1 ²⁾ 1717115-1 ³⁾	-	1565373-4	1565375-4	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 32 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

- 0.13–0.5 mm²

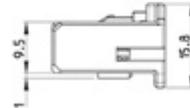
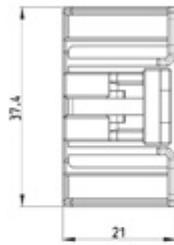
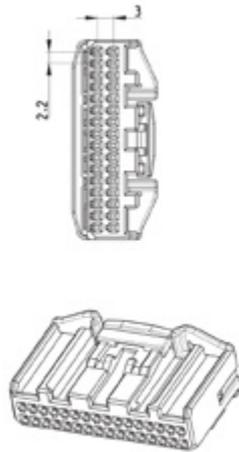
Product Specification:

- 108-5660
- 108-5931
- 108-5668

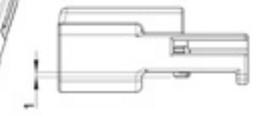
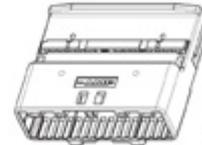
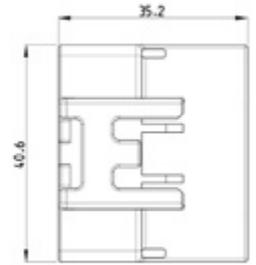
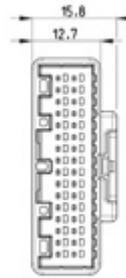
Application Specifications:

- 114-5329
- 114-5250

1318747



1473799



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
32	Wire	1318747-1 ²⁾ 1717118-1 ³⁾ 1473805-1 (sub plug for IDC contact) 1473806-1 (lock housing for IDC contact) 1717250-1 ⁴⁾	1376103-1	-	-	-
32	Board	1318747-1 ²⁾ 1717118-1 ³⁾ 1473805-1 (sub plug for IDC contact) 1473806-1 (lock housing for IDC contact) 1717250-1 ⁴⁾	-	1318745-2 1318745-5	-	-
		N/A	1-1612048-0 (low profile)	-	-	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

⁴⁾ IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64) SERIES CONNECTORS

TECHNICAL FEATURES

No. of Positions:

- 40 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

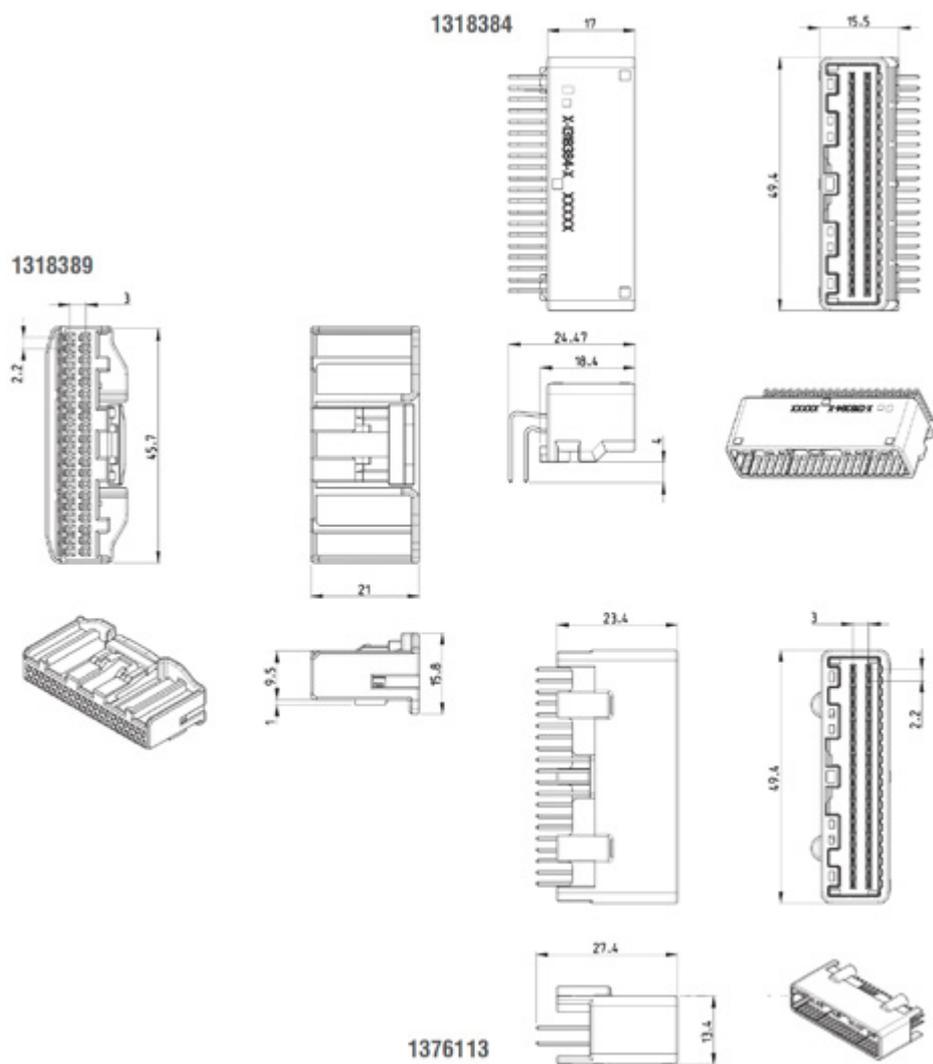
- 0.13–0.5 mm²

Product Specification:

- 108-5931
- 108-5668

Application Specifications:

- 114-5329
- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
40	Board	1318389-1 ²⁾ 1674312-1 ³⁾ 1318693-2 (sub plug for IDC contact) 1318695-1 (lock housing for IDC contact) 1318691-1 ⁴⁾	-	1318384-2 1-1318384-3	1376113-2 1376113-5 1174764-2 (SMD)	-
		N/A	1612052-6 (low profile)	-	-	-

¹⁾ IDC Terminal Version

²⁾ Contact Lance Version

³⁾ Housing Lance Version

⁴⁾ IDC Contact Pre-loaded Sub Housing

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .375 (9.5 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 24 Positions

Housing Materials:

- PBT

Wire Size Range:

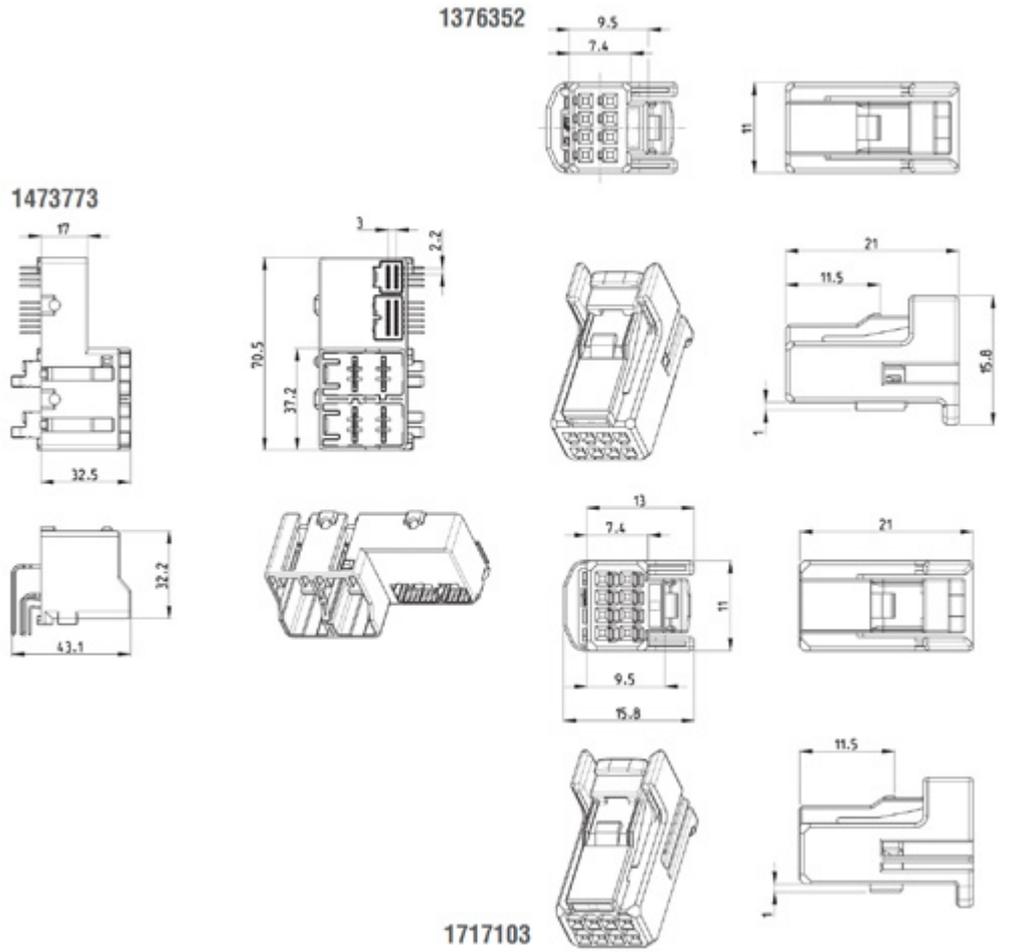
- 0.13-0.5 mm²

Product Specification:

- 108-5773

Application Specifications:

-



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
24	Board	-	-	1473773-7	-	-
8	-	-	-	-	-	1376352-1 ²⁾ 1717103-1 ³⁾
12	-	-	-	-	-	1565287-1 ²⁾ 1747375-1 ³⁾
2 ^{**)}	-	-	-	-	-	-

²⁾ Contact Lance Version

³⁾ Housing Lance Version

^{*}) IDC Contact Pre-loaded Sub Housing

^{**)} Please contact Tyco Electronics for the 2 position of .375 (9.5) plug and receptacle contact

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .375 (9.5 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 26 Positions

Housing Materials:

- PBT
- SPS

Wire Size Range:

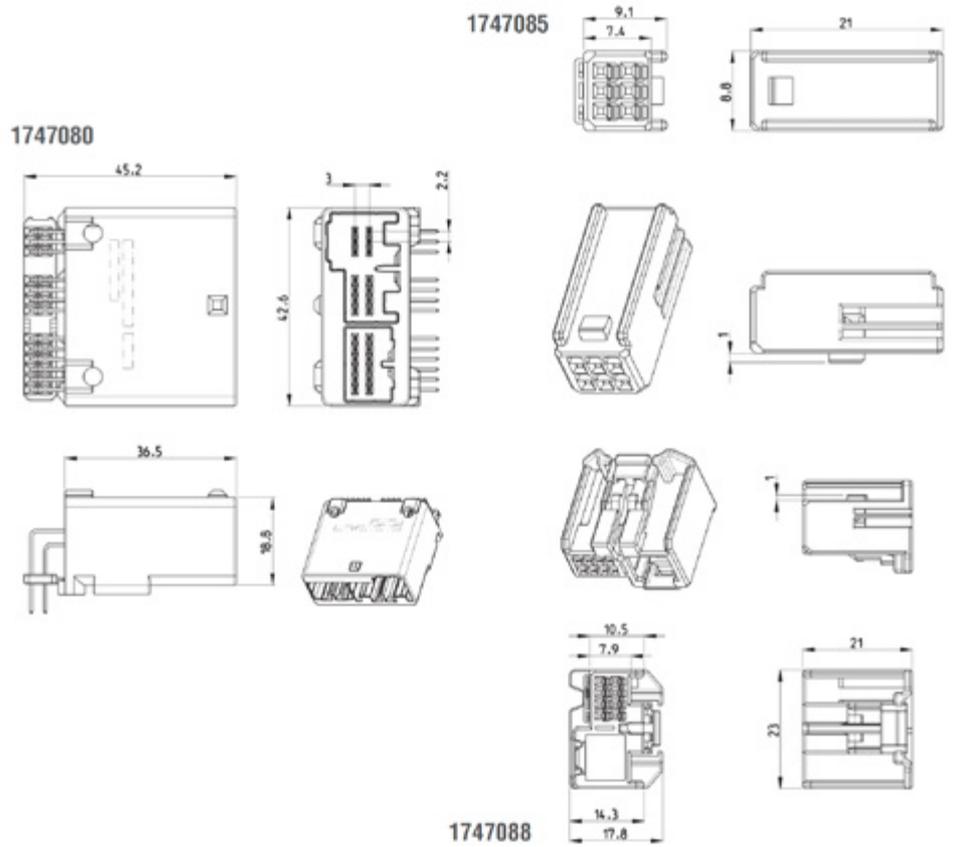
- 0.13–0.5 mm²

Product Specification:

- 108-5773

Application Specifications:

- 411-78150



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
26	Board	-	-	1747080-1	-	-
6	-	-	-	-	-	1747085-1 ²⁾
8	-	-	-	-	-	1747088-1 ²⁾

²⁾ Contact Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .375 (9.5 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 28 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

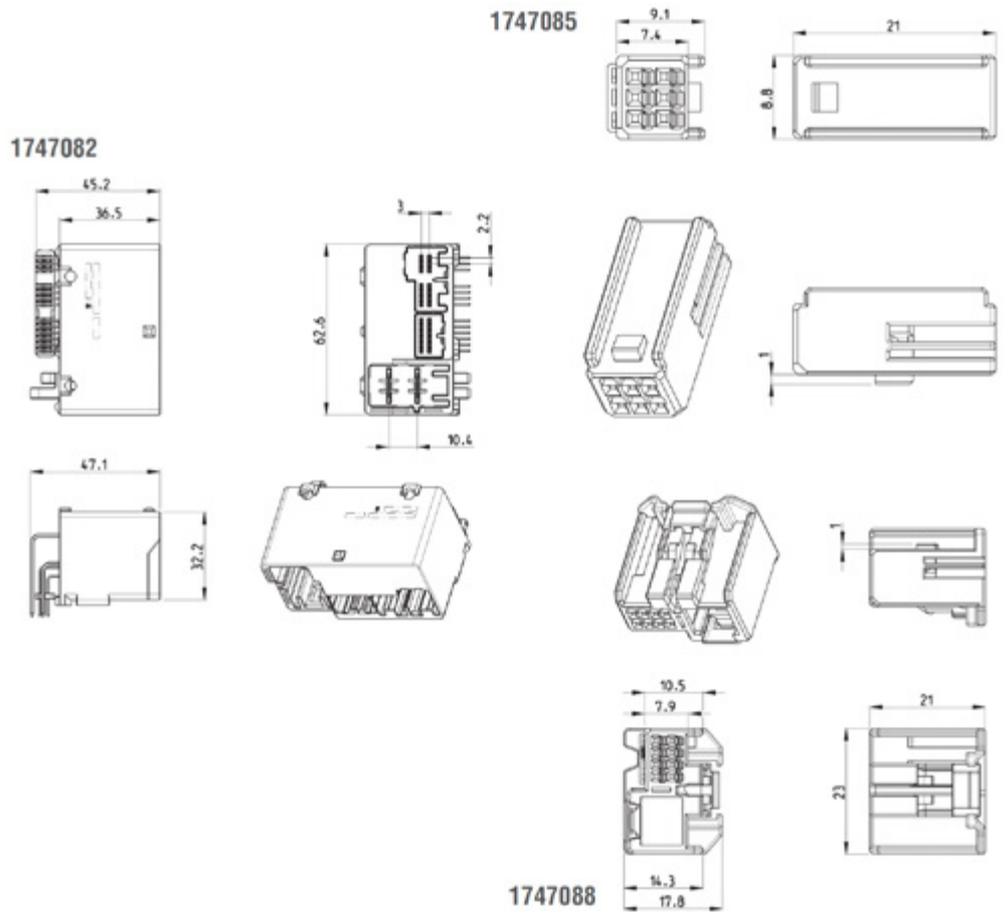
- 0.13–0.5 mm²

Product Specification:

- 108-5773

Application Specifications:

- 411-78150



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
28	Board	-	-	1747082-2	-	-
6	-	-	-	-	-	1747085-1 ³⁾
8	-	-	-	-	-	1747088-1 ³⁾

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .40 III (1.0 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 70 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

- 0.13–0.5 mm²

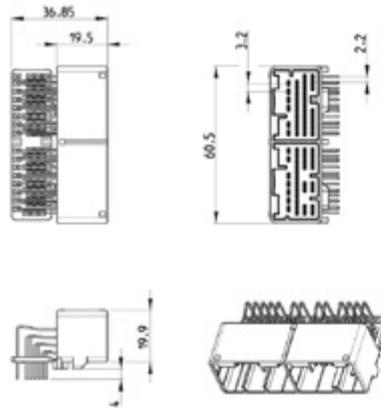
Product Specification:

- 108-5674

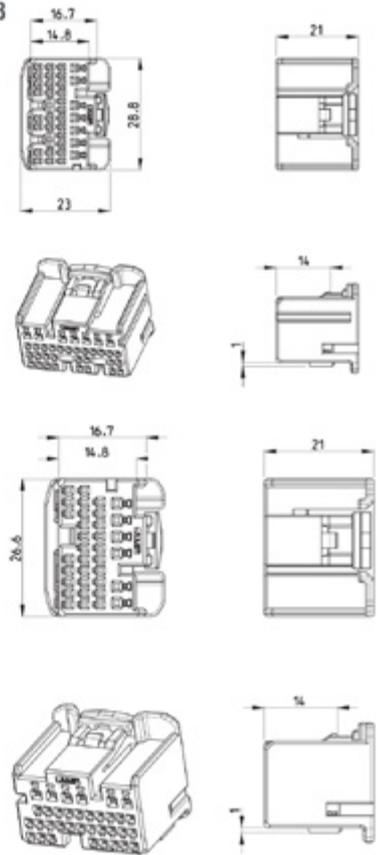
Application Specifications:

- 114-5217
- 114-5250

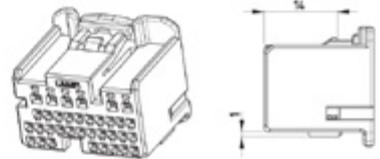
1473193



1123338



1123340



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
70	Board	-	-	1473193-8 1473193-7	-	-
35 key A	-	-	-	-	-	1123338-1 ²⁾ 1674558-1 ³⁾
35 key B	-	-	-	-	-	1123340-1 ²⁾ 1674928-1 ³⁾

²⁾ Contact Lance Version

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .40 III (1.0 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 135 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

- 0.13–0.5 mm²

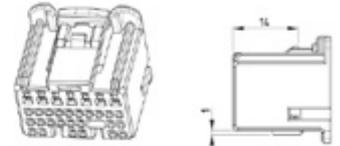
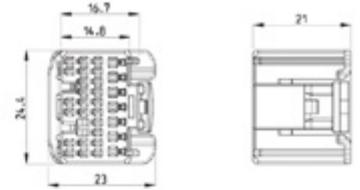
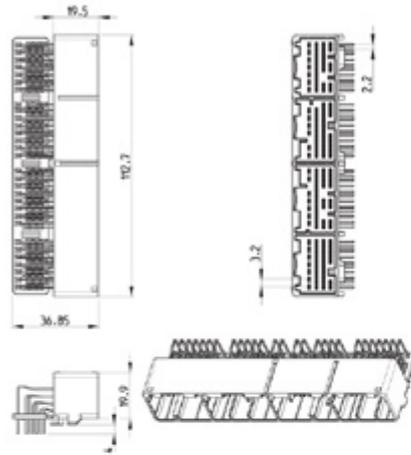
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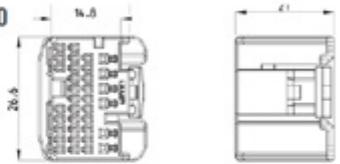
Application Specifications:

- 114-5217
- 114-5250

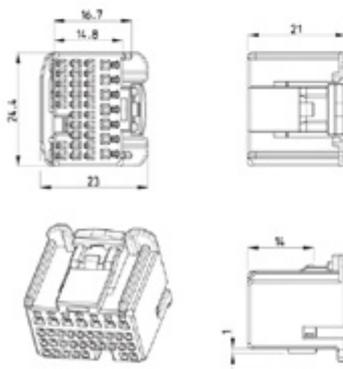
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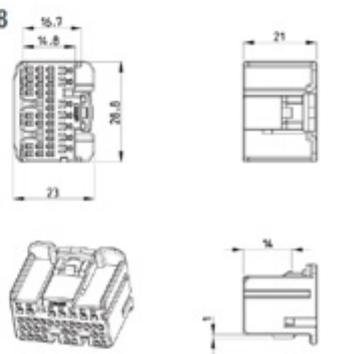
1123340



1123337



1123338



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
135	Board	-	1-1376430-8 2-1376430-2	-	-	-
31	-	-	-	-	-	1123341-1 ²⁾ 1674919-1 ³⁾
34	-	-	-	-	-	1123337-1 ²⁾ 1674925-1 ³⁾
35 key A	-	-	-	-	-	1123338-1 ²⁾ 1674558-1 ³⁾
35 key B	-	-	-	-	-	1123340-1 ²⁾ 1674928-1 ³⁾

²⁾ Contact Lance Version

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .090 II (2.3 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 26 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

- 0.13–0.5 mm²

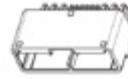
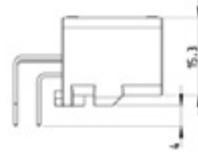
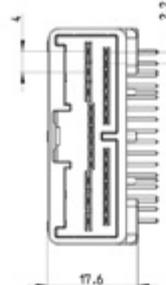
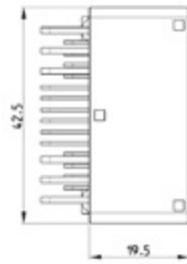
Product Specification:

- 108-5674

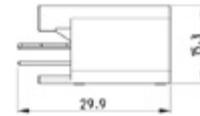
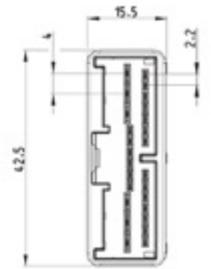
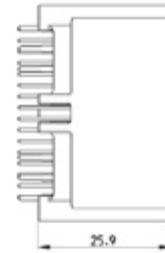
Application Specifications:

- 114-5250

1376357



1565371



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
26	Board	-	-	1376357-3 1376357-8	1565371-3	1376360-1 ²⁾ 1674932-1 ³⁾

²⁾ Contact Lance Version

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .40 III (1.0 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 50 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

- 0.13-0.5 mm²

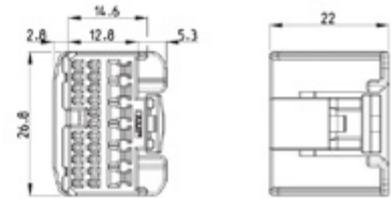
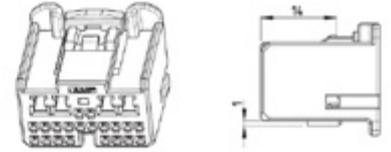
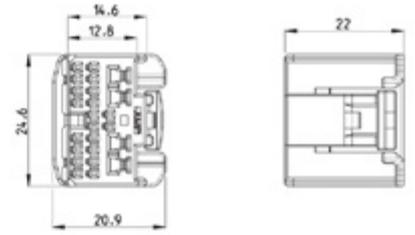
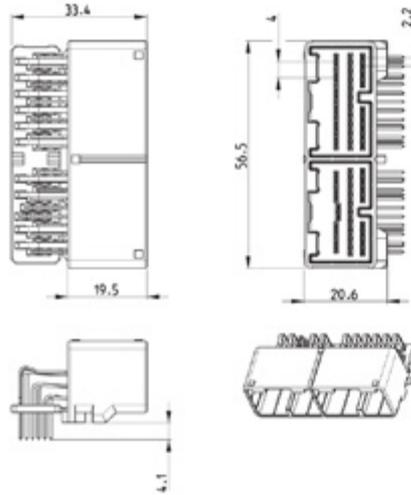
Product Specification:

- 108-5667

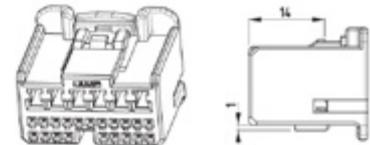
Application Specifications:

- 114-5250

1318750



1318757



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
50	Board	-	-	1318750-2 1-1318750-2	-	-
24	-	-	-	-	-	1318756-1 ²⁾ 1746864-1 ³⁾ 1612802-1 key
26	-	-	-	-	-	1318757-1 ²⁾ 1746863-1 ³⁾ 1612803-1 key

²⁾ Contact Lance Version

³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

.025 (0.64 MM) / .090 II (2.3 MM) WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 80 Positions

Housing Materials:

- SPS
- PBT

Wire Size Range:

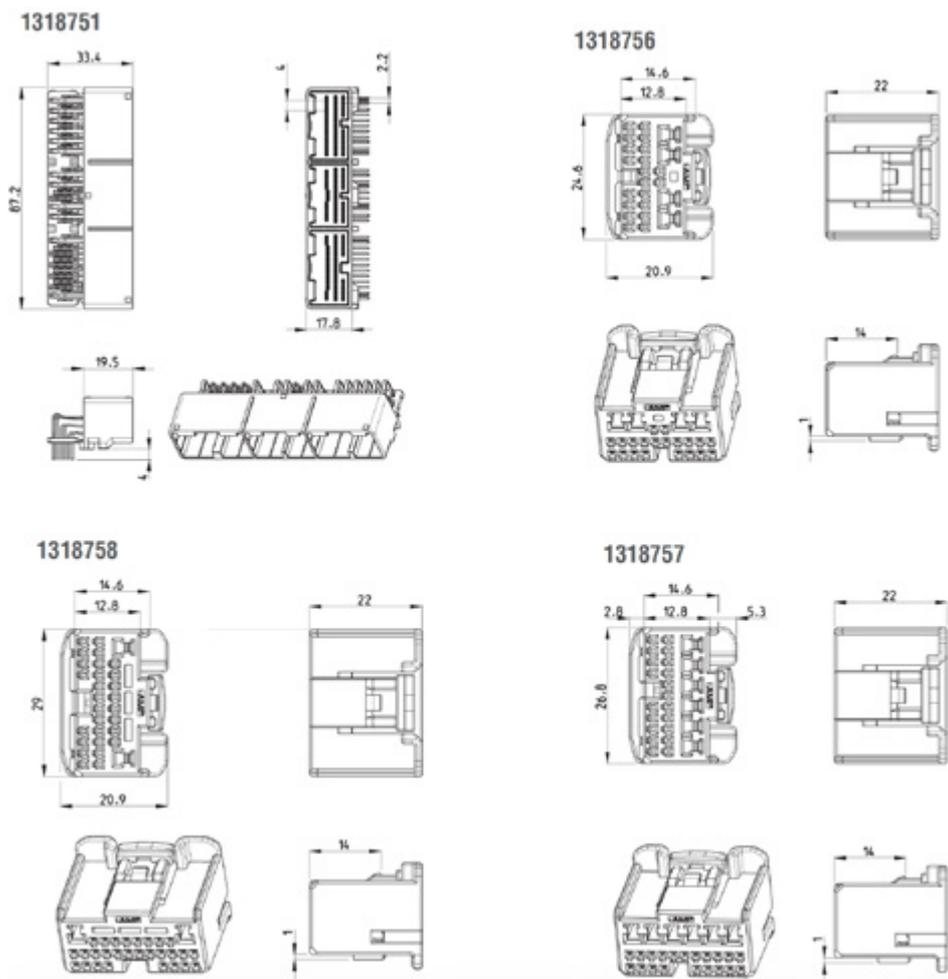
- 0.13-0.5 mm²

Product Specification:

- 108-5667

Application Specifications:

- 114-5250



No. of Positions	Terminate To	Plug Assembly	Cap Housing	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
80	Board	-	-	1318751-7 1-1318751-3	-	-
24	-	-	-	-	-	1318756-1 ²⁾ 1746864-1 ³⁾ 1612802-1 key
26	-	-	-	-	-	1318757-1 ²⁾ 1746863-1 ³⁾ 1612803-1 key
30	-	-	-	-	-	1318758-1 ²⁾ 1746865-1 ³⁾ 1318758-2 key

²⁾ Contact Lance Version

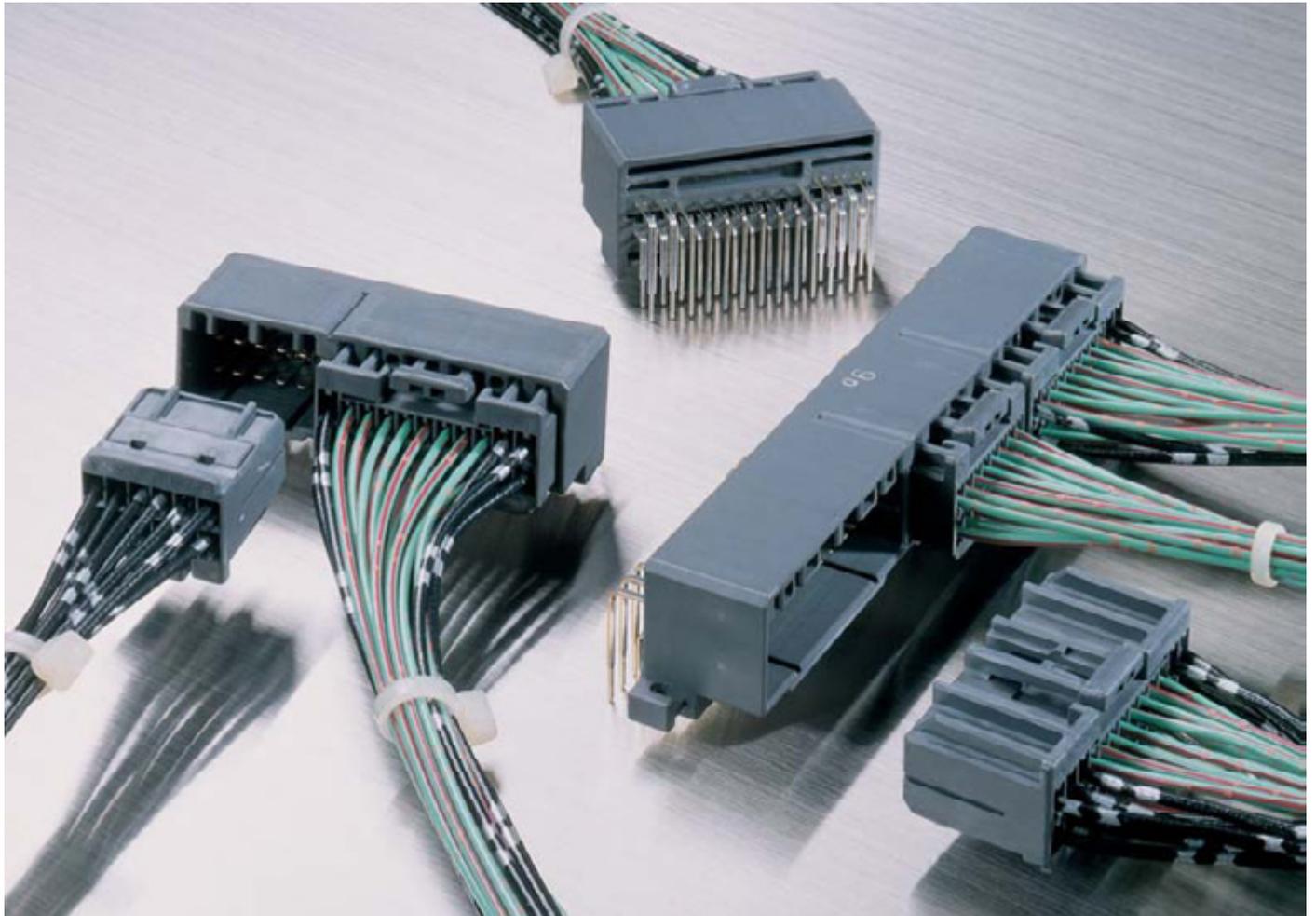
³⁾ Housing Lance Version

Note: All Part Numbers are RoHS and ELV compliant.

MULTILOCK CONNECTOR SYSTEM

.040/.070 Series Hybrid I/O Connectors

.040/.070 Hybrid I/O Connectors are developed for the Automotive ECU



Powertrain Systems



Safety & Security Systems



Convenience



Driver Information



Chassis Systems

- Connectors for use with a mixture of .040 terminals for signal circuits and .070 terminals for power circuits.
- Plug connector for wire termination are supplied with hinge lock or side lock.
- High range of pin count variants.

CAP ASSEMBLIES FOR HORIZONTAL MOUNT TYPE

- I/O connectors for hybrid connections of signal circuits (.040 contacts) and power circuits (.070 contacts).
- Versatile variations in number of positions are available in the range of 26 Pos. to 76 Pos.
- Housings prevent contacts from being deformed by rocking at mating and unmating (anti-Kojiri action).
- Contacts are available with pre-tinned versions and gold plated versions.

PLUG HOUSINGS WITH THE HINGE DOUBLE-LOCK

- The double-lock mechanism using the hinge lock prevents incomplete insertions of contacts.
- The plug housing features a housing lance design which eliminates the possibility of contacts being tangled with one another or deformed lance.
- The receptacle contacts (.040 and .070) to be used on plug housings have a box shaped design so that contacting areas are protected and highly resistant to damage from outside.

PRODUCT SPECIFICATION:

- 108-5280

APPLICATION SPECIFICATIONS:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)

PRODUCT SPECIFICATION:

- 412-5476

PLUG HOUSINGS MARK II WITH THE SIDE DOUBLE-LOCK

- The double-lock mechanism using the side lock prevents incomplete insertions of contacts.
- The plug housing features a housing lance design which eliminates the possibility of contacts being tangled with one another or deformed lance.
- The receptacle contacts (.040 and .070) to be used on plug housings have a leaf at the contacting area protected by the box shaped design which makes a highly reliable contact at low insertion force.
- The plugs cannot mate with caps in case the double-lock is not applied.

PRODUCT SPECIFICATION:

- 108-5342

APPLICATION SPECIFICATIONS:

- 114-5159 (.040 II)
- 114-5160 (.070 II)

INSTRUCTION SHEET:

- 412-5631

AVAILABLE POSITIONS

- 26, 34, 38, 42, 48, 54, 64, 76

0.40 RECEPTACLE CONTACTS (FOR HINGLE DOUBLE LOCK TYPE)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

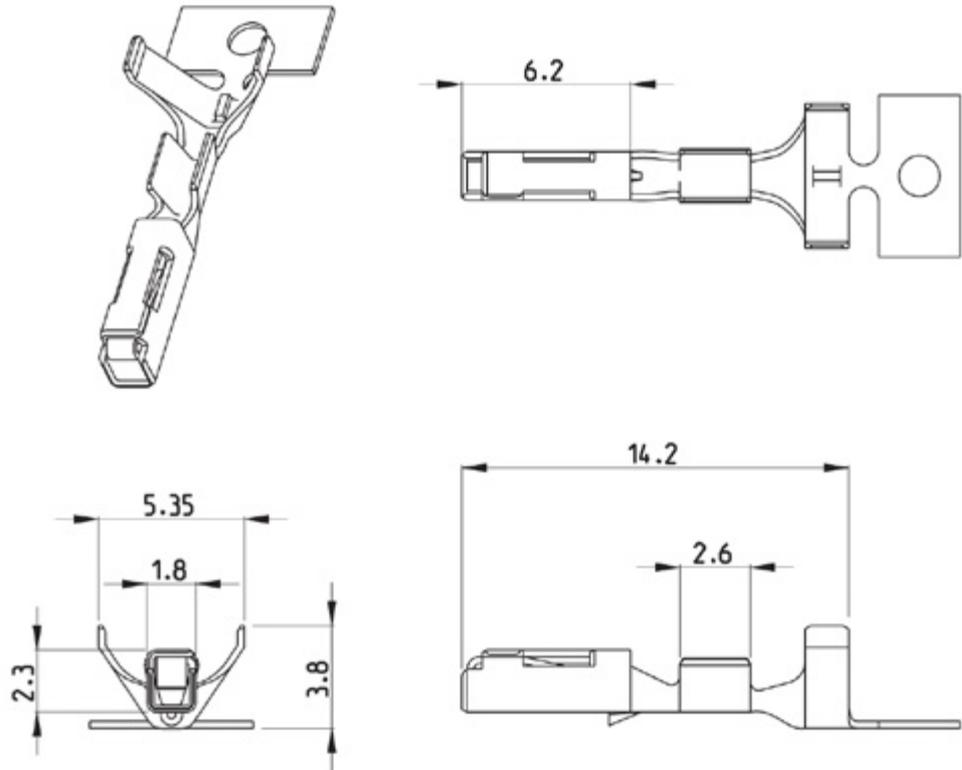
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5111
- 114-5133

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	20-22	1.4-2.0	Pre-tin plated	173716-1	175061-1	91577-1
			Selective gold plated	173716-2	175061-2	
		1.1-1.3	Pre-tin plated	175094-1	-	-
			Selective gold plated	175094-2	-	-

Note: All Part Numbers are RoHS and ELV compliant.

0.70 RECEPTACLE CONTACTS (FOR HINGE DOOR LOCK TYPE)

TECHNICAL FEATURES

Contact Material:

- Brass

Contact Finishes:

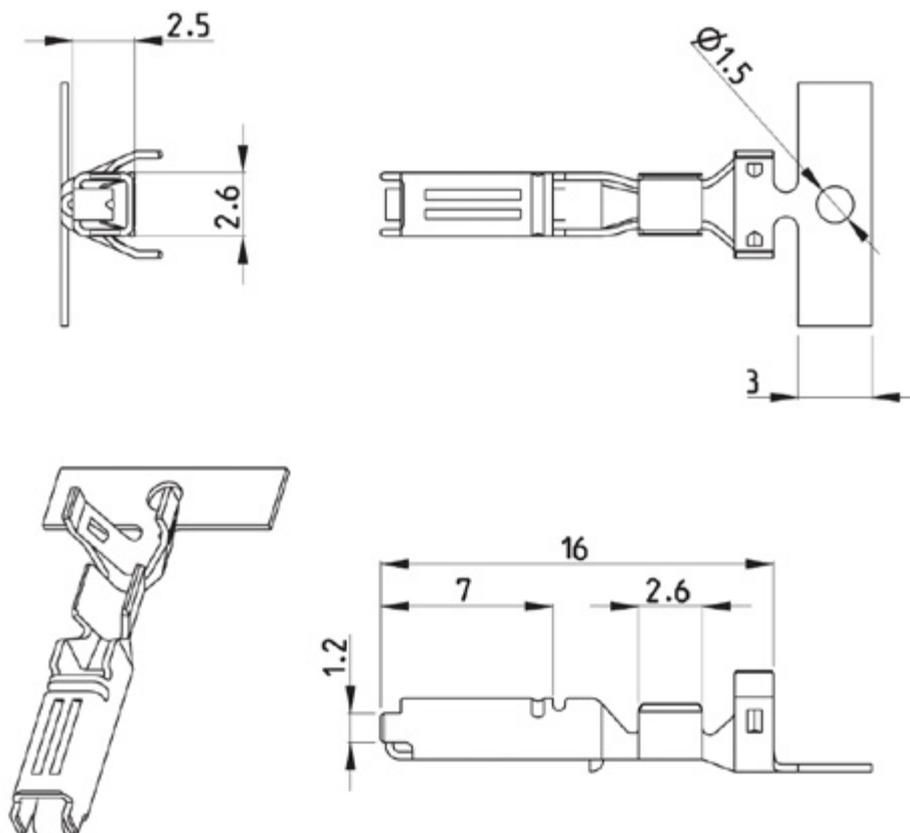
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5091
- 114-5134

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Material and Finish	Part Numbers				Hand Tool
(mm ²)	(AWG)			Strip Form		Loose-Piece		
				Brass	Phosphor Bronze	Brass	Phosphor Bronze	
0.20-0.30	24-22	1.4-1.9	Pre-tin plated	173630-1	173630-6	175026-1	175026-6	91580-1
			Selective gold plated	173630-2	173630-7	175026-2	175026-7	
0.50-1.25	20-16	2.0-2.6	Pre-tin plated	173631-1	173631-6	175027-1	175027-6	91573-1
			Selective gold plated	173631-2	173631-7	175027-2	175027-7	
0.20-0.30 0.50-1.25	24-22 20-16	1.1-1.3 1.3-1.8	Selective gold plated	175124-2	-	-	-	-
			Pre-tin plated	175095-1	-	-	-	-

Note: All Part Numbers are RoHS and ELV compliant.

0.40 II RECEPTACLE CONTACTS (FOR SIDE DOUBLE LOCK TYPE)

TECHNICAL FEATURES

Contact Material:

- Copper Alloy

Contact Finishes:

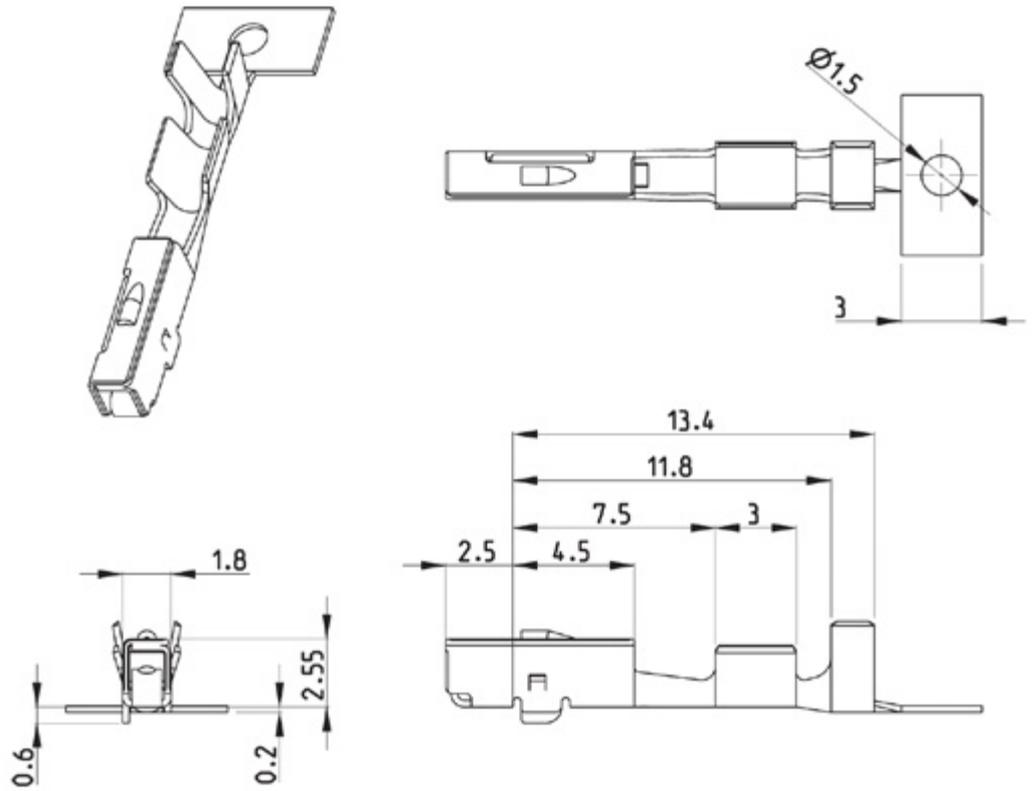
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5159

Instruction Sheet:

- 408-8547-1



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.3-0.5	18-22	1.1-1.8	Pre-tin plated	175265-1	179417-1	91588-1
			Selective gold plated	175266-2	179418-2	

Note: All Part Numbers are RoHS and ELV compliant.

0.70 II RECEPTACLE CONTACTS (FOR SIDE DOUBLE LOCK TYPE)

TECHNICAL FEATURES

Contact Material:

- Brass

Contact Finishes:

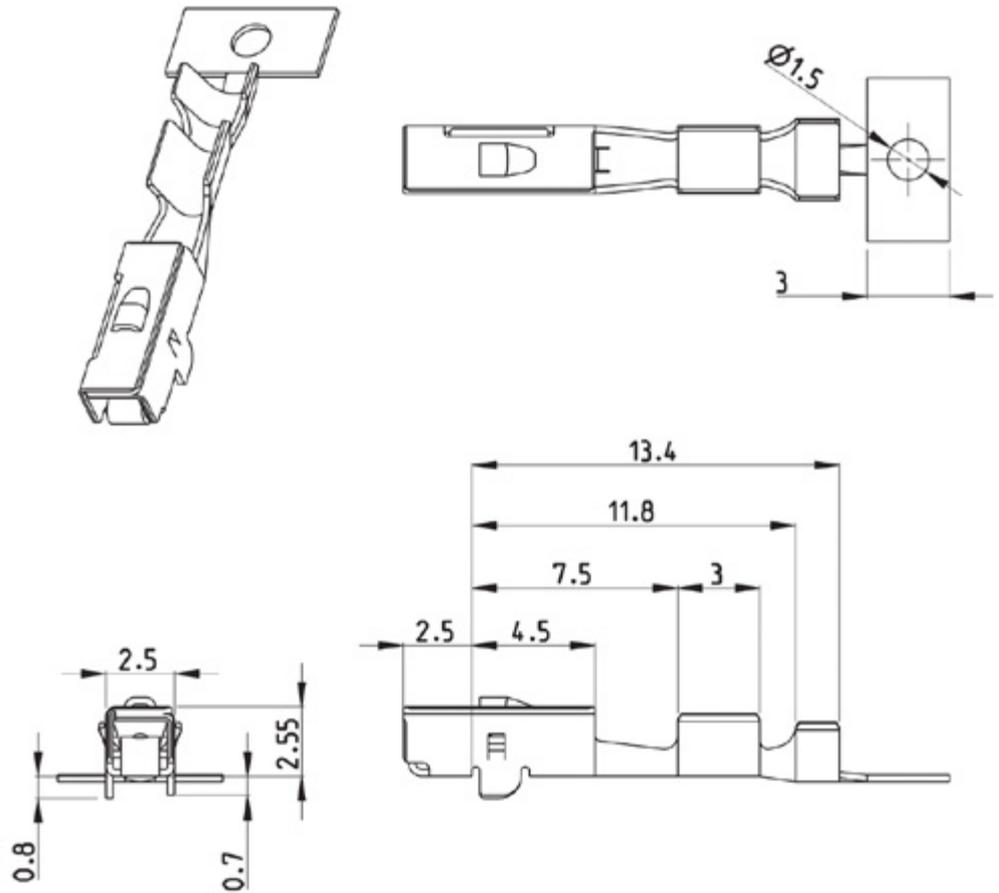
- Pre-tin plated
- Selective gold plated

Application Specifications:

- 114-5160

Instruction Sheet:

- 411-5658
- 411-5659



Wire Size Range		Wire Insulation Diameter (mm)	Finish	Part Numbers		
(mm ²)	(AWG)			Strip Form	Loose-Piece	Hand Tool
0.30-0.85	18-22	1.1-1.8	Pre-tin plated	175268-1	179423-1	934195-1
			Selective gold plated	175268-2	179423-2	
0.50-1.25	16-20	1.8-2.5	Pre-tin plated	175269-1	179425-1	934196-1
			Selective gold plated	175269-2	179425-2	

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 26 Positions

Housing Materials:

- PBT

Wire Size Range:

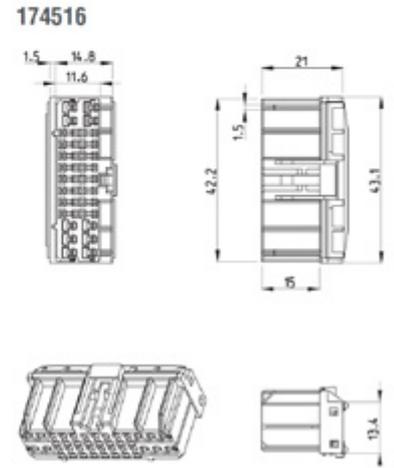
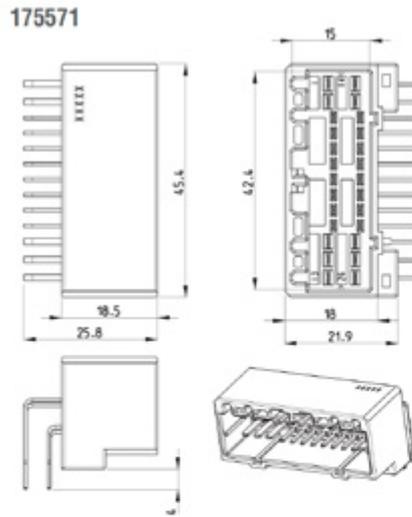
- 0.2-1.25 mm²

Product Specification:

- 108-5280
- 108-5342

Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)
- 114-5160 (.070 II)



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
26	Printed Circuit Board	-	178811-6 Gray 175571-6 Gray	-	-	174516 (Hinge) 917992 (Side Lock)
		-	178762-6 Gray (Different Key) 175569-6 Gray (Special Key)	-	-	175567 (Hinge) 917994 (Side Lock)
		-	2-176206-6 Light Gray (Bottom mount ears)	-	-	176204 (Hinge) 917997 (Side Lock)
		-	178900-1 Natural (Side mount ears)	-	-	176204 (Hinge) 917997 (Side Lock)
		-	2-178209-2 Black (Low profile mounting ears)	-	-	178747 (Hinge) 917850 (Side Lock)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 34 Positions

Housing Materials:

- PBT

Wire Size Range:

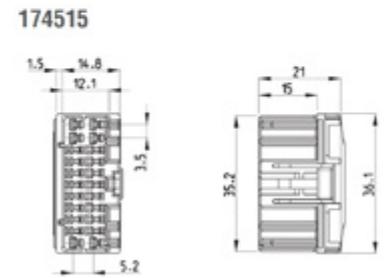
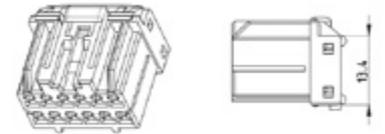
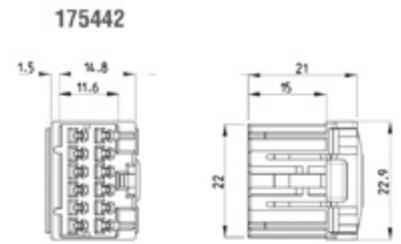
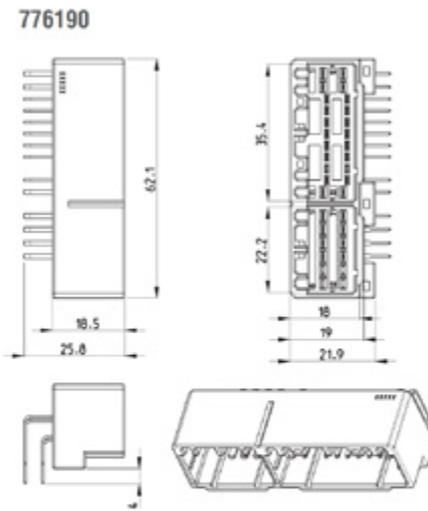
- 0.2-1.25 mm²

Product Specification:

- 108-5280
- 108-5342

Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)
- 114-5160 (.070 II)



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
34	Printed Circuit Board	-	175444-2 Black 776190-6 Gray (partially loaded version 28p) 2-176255-1 White (partially loaded version 30p)	-	-	175442 (Hinge) 174515 (Hinge) 178881 (Side Lock) 917978 (Side Lock) 178798 (Side Lock) 917989 (Side Lock)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 38 Positions

Housing Materials:

- PBT

Wire Size Range:

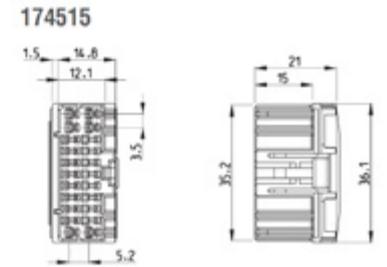
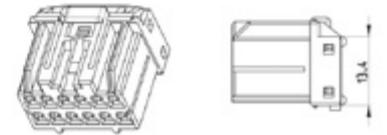
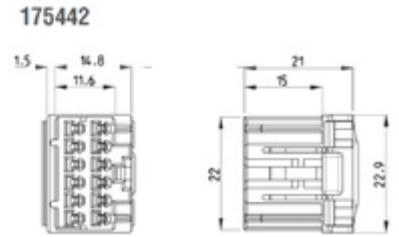
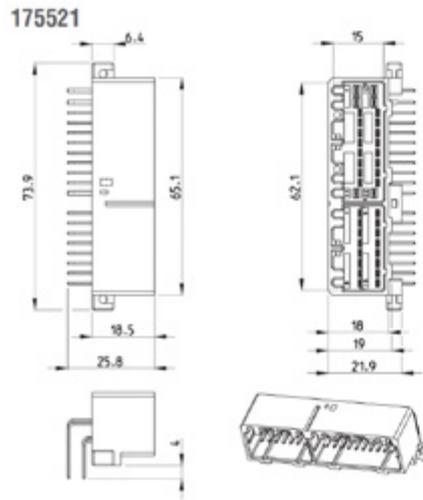
- 0.2-1.25 mm²

Product Specification:

- 108-5280
- 108-5342

Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)
- 114-5160 (.070 II)



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
38	Printed Circuit Board	-	175521-6 Gray (Side mount ears) 638048-1 Black (High temp. version)	-	-	175442 (Hinge 16p) 174515 (Hinge 22p) 917981 (Side Lock 16p) 917989 (Side Lock 22p)
			178093-2 Black	-	-	175442 (Hinge 12p) 174516 (Hinge 26p) 917978 (Side Lock 12p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 42 Positions

Housing Materials:

- PBT

Wire Size Range:

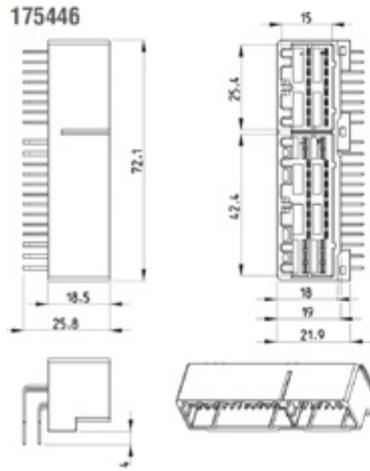
- 0.2-1.25 mm²

Product Specification:

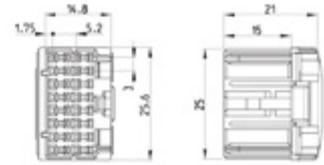
- 108-5280
- 108-5342

Application Specifications:

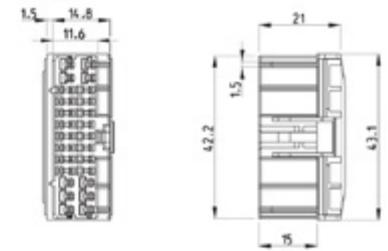
- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)
- 114-5160 (.070 II)



175514



174516



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
42	Printed Circuit Board	-	175446-1 White	-	-	175514 (Hinge 16p) 174516 (Hinge 26p) 917981 (Side Lock) 917992 (Side Lock)
			176242-1 White	-	-	176243 (Hinge 16p) 175567 (Hinge 26p) 917983 (Side Lock 16p) 917994 (Side Lock 26p)
			2-177542-1 White	-	-	917986 (Side Lock 16p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 48 Positions

Housing Materials:

- PBT

Wire Size Range:

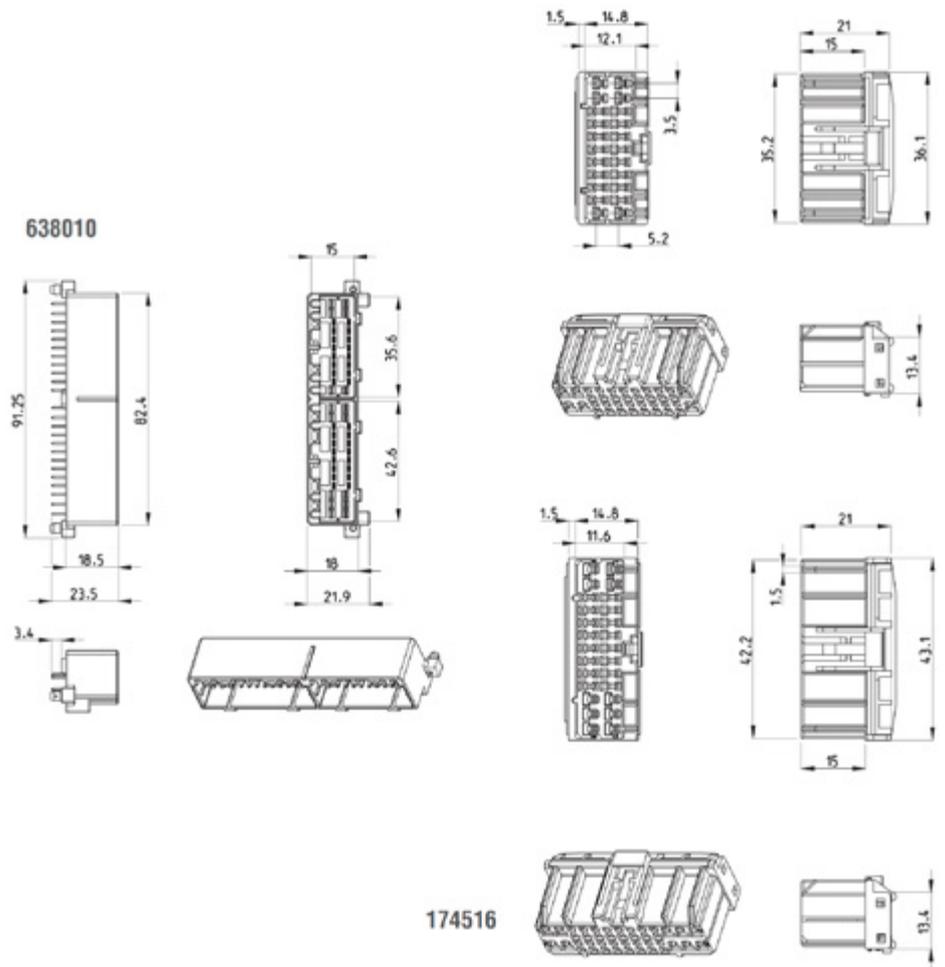
- 0.2-1.25 mm²

Product Specification:

- 108-5280
- 108-5342

Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
48	Printed Circuit Board	-	179375-1 Gray 174917-6 Gray 638010-1 Black	-	-	174515 (Hinge 22p) 174516 (Hinge 26p) 917989 (Side Lock 22p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 54 Positions

Housing Materials:

- PBT

Wire Size Range:

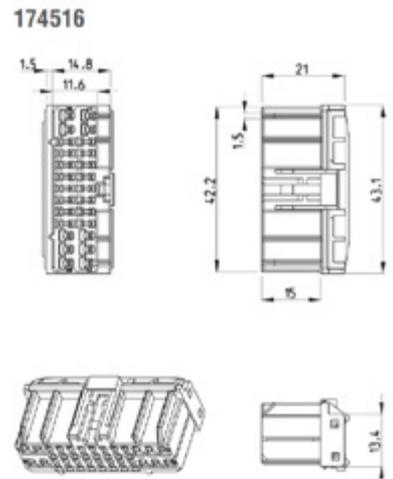
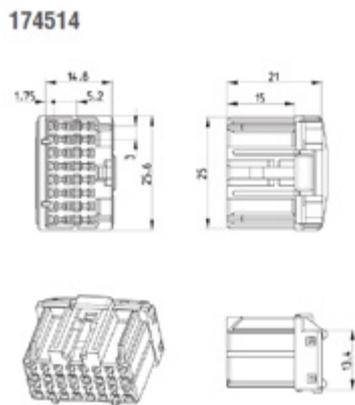
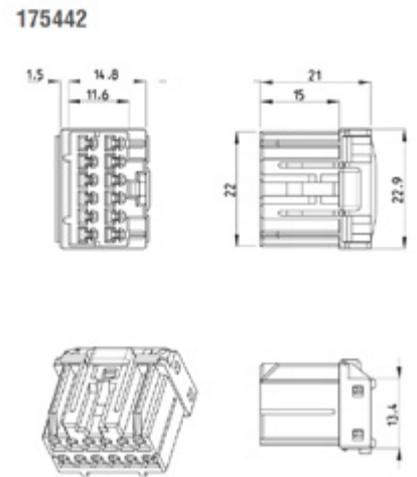
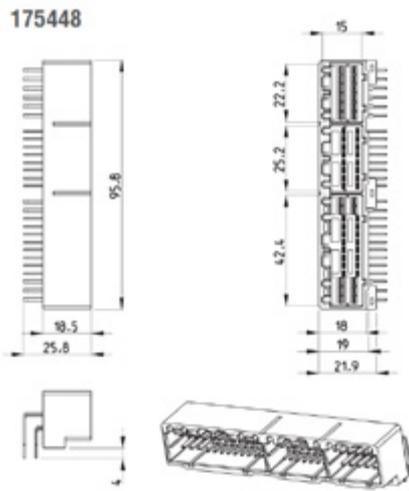
- 0.2-1.25 mm²

Product Specification:

- 108-5280
- 108-5342

Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)
- 114-5160 (.070 II)



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
54	Printed Circuit Board	-	175448-6 Gray	-	-	175442 (Hinge 12p) 174514 (Hinge 16p) 174516 (Hinge 26p) 917978 (Side Lock 12p) 917981 (Side Lock 16p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 64 Positions

Housing Materials:

- PBT

Wire Size Range:

- 0.2-1.25 mm²

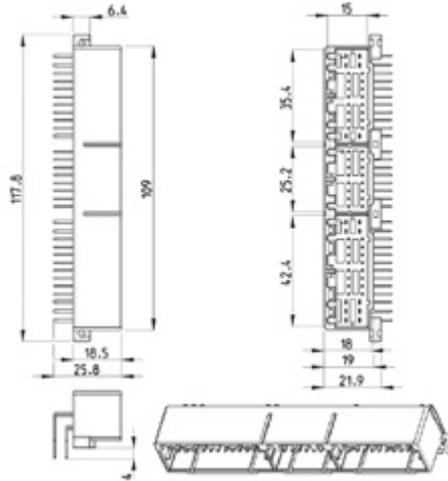
Product Specification:

- 108-5280
- 108-5342

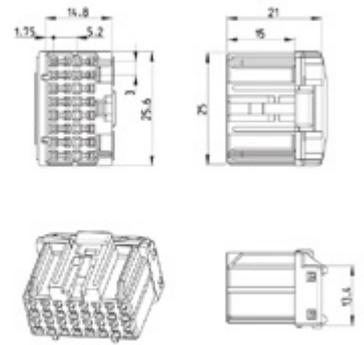
Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)

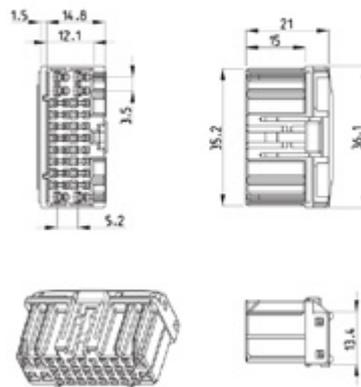
177609



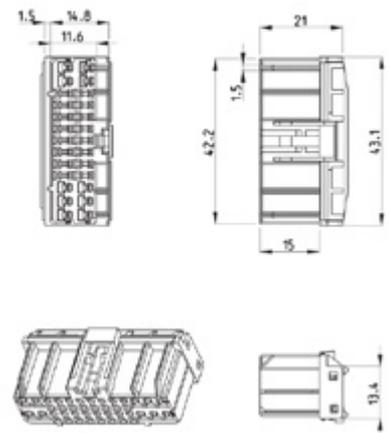
174514



174515



174516



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
64	Printed Circuit Board	-	917322-5 Blue 776189-6 Gray 2-176122-6 Gray	-	-	175109 (Hinge 16p) 175110 (Hinge 22p) 175111 (Hinge)
			178764-1 White 1-174518-6 Gray 177609-1 Light Gray	-	-	174514 (Hinge 16p) 174515 (Hinge 22p) 174516 (Hinge 26p) 917989 (Side Lock 22p) 917981 (Side Lock 16p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

WIRE-TO-BOARD APPLICATIONS

TECHNICAL FEATURES

No. of Positions:

- 76 Positions

Housing Materials:

- PBT

Wire Size Range:

- 0.2-1.25 mm²

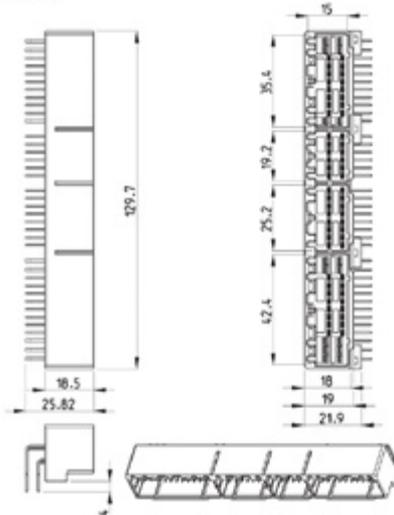
Product Specification:

- 108-5280
- 108-5342

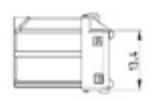
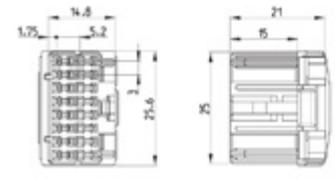
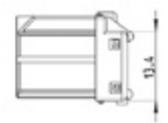
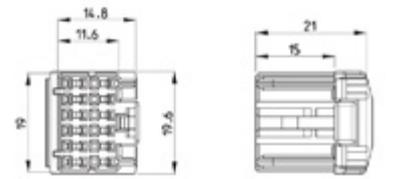
Application Specifications:

- 114-5111 (.040)
- 114-5133 (.040)
- 114-5091 (.070)
- 114-5134 (.070)
- 114-5159 (.040 II)

178780

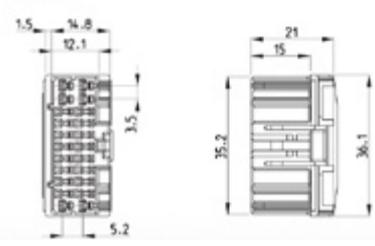


174913

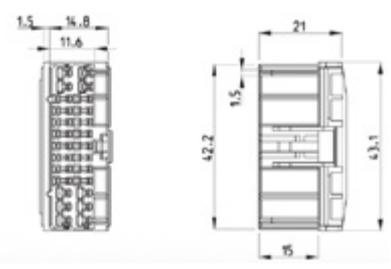


174514

174515



174516



No. of Positions	Terminate To	Plug Assembly	Cap Housing Assembly	Cap Housing Horizontal Mount	Cap Housing Vertical Mount	Mating Plug
76	Printed Circuit Board	-	174915-6 Gray 2-178780-6 Gray	-	-	174913 (Hinge 12p) 174514 (Hinge 16p) 174515 (Hinge 22p) 174516 (Hinge) 917975 (Side Lock 12p) 917989 (Side Lock 22p) 917981 (Side Lock 16p) 917992 (Side Lock 26p)

Note: All Part Numbers are RoHS and ELV compliant.

About TE Connectivity

TE Connectivity plc (NYSE: TEL) is a global industrial technology leader creating a safer, sustainable, productive, and connected future. As a trusted innovation partner, our broad range of connectivity and sensor solutions enable the distribution of power, signal and data to advance next-generation transportation, energy networks, automated factories, data centers enabling artificial intelligence, and more.

Our more than 90,000 employees, including 10,000 engineers, work alongside customers in approximately 130 countries. In a world that is racing ahead, TE ensures that EVERY CONNECTION COUNTS.

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Global Automotive

te.com

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Published 03-26