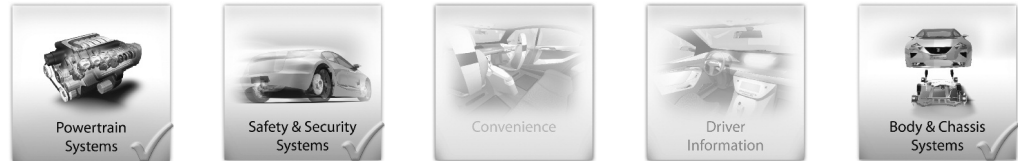
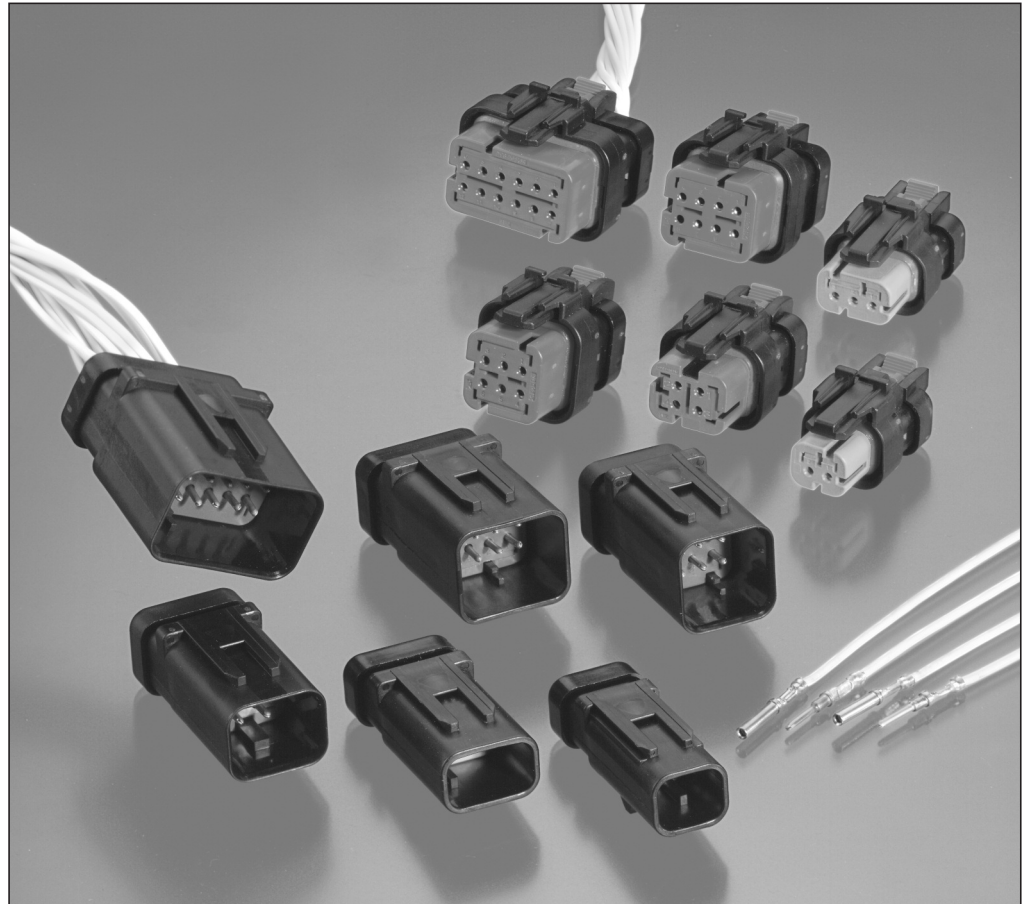


## Introduction



### Product Features

- Keyed / polarized, prevents mismatching
- Lanceless contacts, no damaged tangs or tangled contacts
- Integral CPA protects against accidental unlocking
- Sleeved assembly for contact beam protection provides 50 durability cycles
- Attachment feature on pin housing provides connector clip mounting
- Integral PLR provides primary latch reinforcement with no additional assembly
- Sealing of interface and wires provides for environmental integrity
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



The AMPSEAL 16 Connector System is targeted for off-road, heavy duty industrial, recreational and agricultural applications. This wire-to-wire and wire-to-device connector line was designed to meet the rigorous demands of an industry that requires the highest standards in performance.

Thermoplastic housings (–40 °C to +125 °C rated) and silicone seals allow the connectors to withstand extreme temperatures and moisture.

This connector family will feature the HDSF Size 16 Pin and Socket contacts as a terminal system.

These contacts are stamped and formed versions of the screw machined MIL-C-39029 contacts. The 2-, 3-, 4-, 6-, 8- and 12-position housings will offer a one-piece assembly for both plug and cap.

Engineering Notes

A large grid area for engineering notes, consisting of a uniform pattern of small squares. The grid is intended for handwritten or printed technical notes related to the AMPSEAL 16 Connector System.

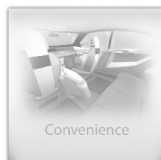
## Introduction



Powertrain  
Systems



Safety & Security  
Systems



Convenience



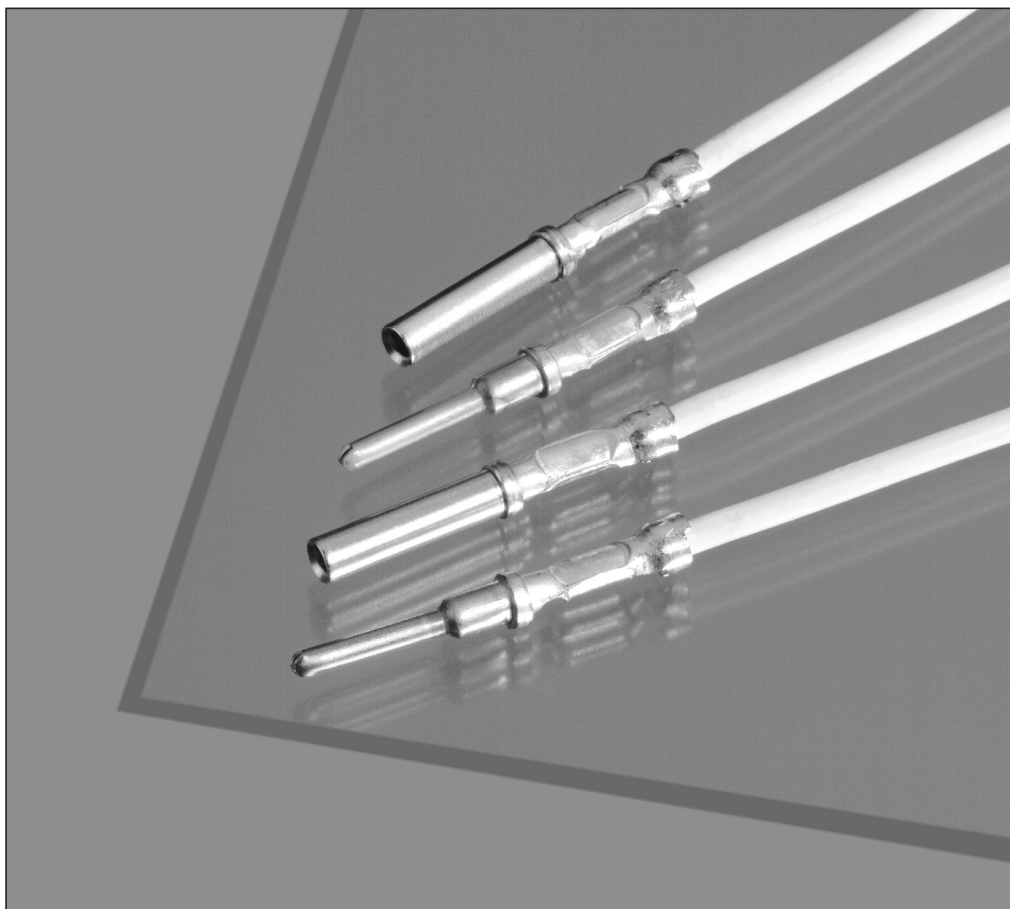
Driver  
Information



Body & Chassis  
Systems

### Product Features

- 1.58 mm Pin and Socket System per MIL-C-39029
- Lanceless design
- Dual Beam Socket Contact
- Wire Size Range  
0.5–2.0 mm<sup>2</sup> (20–14 AWG)
- Wire Insulation 1.3–3.7 mm
- Terminal Plating  
Gold or Nickel
- Current Rating  
up to 13 amps
- Vibration Performance  
up to 35 G's
- RoHS and ELV compliant



The HDSF Size 16 Pin and Socket contacts system is a stamped and formed version of the screw machine MIL-C-39029 contacts.

The TE Connectivity Size 16 contact system offers a thicker and higher performance alloy base metal, providing the following superior benefits over most of the competitive stamped and formed size 16 contact systems.

1. Increased terminal/  
beam strength
2. Greater resistance to  
stress relaxation
3. Increased current carrying  
ability due to lower T-Rise  
(20 %)

## Size 16 Terminal Selection Guide

The Terminal Summary Chart can be used as a quick guide to determine the part number for a particular application based on the following:

1) Insulation Barrel preference; 2) Plating preference; 3) Wire Size; and 4) Insulation Diameter.

### Size 16 Terminal Summary Chart

|                                  | Terminal Part Number (Reeled) | Plating |    | Wire Size (AWG) | Insulation Diameter Range |           | Terminal Part Number (Loose-Piece) | Plating |    |
|----------------------------------|-------------------------------|---------|----|-----------------|---------------------------|-----------|------------------------------------|---------|----|
|                                  |                               | Au      | Ni |                 | Inch                      | mm        |                                    | Au      | Ni |
| Pin with Insulation Barrel       | 1924463                       | -1      | -3 | 20–18           | 0.050–0.107               | 1.27–2.72 | 1924579                            | -1      | -3 |
| Socket with Insulation Barrel    | 1924464                       | -1      | -2 | 20–18           | 0.050–0.107               | 1.27–2.72 | 1924580                            | -1      | -2 |
| Pin with Insulation Barrel       | 638078                        | -1      | -3 | 18–14*          | 0.089–0.131               | 2.26–3.33 | 776300                             | -1      | -2 |
| Socket with Insulation Barrel    | 776492                        | -1      | -2 | 18–14*          | 0.089–0.131               | 2.26–3.33 | 776299                             | -1      | -2 |
| Pin without Insulation Barrel    | 638112                        | -1      | -3 | 18–14           | 0.077–0.155               | 1.96–3.94 | 776298                             | -1      | -2 |
| Socket without Insulation Barrel | 776491                        | -1      | -2 | 18–14           | 0.077–0.155               | 1.96–3.94 | 776297                             | -1      | -2 |

\*) 14 AWG (SXL) wire not recommended for crimping on terminals with an Insulation Barrel.

The Terminal/Wire Selection for Connector Wire Seal Chart can be used as a guide to determine the following:

1) Wire Size and Insulation Type; 2) Nominal Insulation Diameter; 3) Recommended Terminal Part Number; and 4) Recommended Connector Wire Seal. For questions and concerns, please consult a TE Connectivity Product Specialist.

### Size 16 Terminal / Wire Selection for Connector Wire Seal Chart

| Wire Size (Insulation Type) | Insulation Diameter (Nominal) |        | Terminal Part Number (Reeled) |          |        |          |        |          | Connector Wire Seal    |                       |
|-----------------------------|-------------------------------|--------|-------------------------------|----------|--------|----------|--------|----------|------------------------|-----------------------|
|                             |                               |        | 1924463                       | 1924464  | 638078 | 776492   | 638112 | 776491   | Standard Diameter (mm) | Reduced Diameter (mm) |
|                             | (mm)                          | (Inch) | (Pin)                         | (Socket) | (Pin)  | (Socket) | (Pin)  | (Socket) | 2.18–3.67              | 1.30–2.54             |
| 0.5 mm <sup>2</sup> (TXL)   | 1.78                          | 0.070  | ✓                             | ✓        |        |          |        |          |                        | ✓                     |
| 0.5 mm <sup>2</sup> (GXL)   | 2.22                          | 0.087  | ✓                             | ✓        |        |          |        |          |                        | ✓                     |
| 0.5 mm <sup>2</sup> (SXL)   | 2.55                          | 0.100  | ✓                             | ✓        |        |          |        |          | ✓                      |                       |
| 20 AWG (TXL)                | 1.78                          | 0.070  | ✓                             | ✓        |        |          |        |          |                        | ✓                     |
| 20 AWG (GXL)                | 2.16                          | 0.085  | ✓                             | ✓        |        |          |        |          |                        | ✓                     |
| 20 AWG (SXL)                | 2.44                          | 0.096  | ✓                             | ✓        |        |          |        |          | ✓                      |                       |
| 18 AWG (TXL)                | 1.98                          | 0.078  | ✓                             | ✓        |        |          | ✓      | ✓        |                        | ✓                     |
| 18 AWG (GXL)                | 2.34                          | 0.092  | ✓                             | ✓        | ✓      | ✓        | ✓      | ✓        | ✓                      | ✓                     |
| 18 AWG (SXL)                | 2.72                          | 0.107  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 1.0 mm <sup>2</sup> (TXL)   | 2.28                          | 0.090  |                               |          |        |          | ✓      | ✓        | ✓                      | ✓                     |
| 1.0 mm <sup>2</sup> (GXL)   | 2.72                          | 0.107  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 1.0 mm <sup>2</sup> (SXL)   | 3.15                          | 0.124  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 16 AWG (TXL)                | 2.24                          | 0.088  |                               |          |        |          | ✓      | ✓        | ✓                      | ✓                     |
| 16 AWG (GXL)                | 2.62                          | 0.103  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 16 AWG (SXL)                | 3.05                          | 0.120  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 2.0 mm <sup>2</sup> (TXL)   | 2.58                          | 0.102  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 2.0 mm <sup>2</sup> (GXL)   | 3.02                          | 0.119  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 2.0 mm <sup>2</sup> (SXL)   | 3.65                          | 0.144  |                               |          |        |          | ✓      | ✓        |                        |                       |
| 14 AWG (TXL)                | 2.62                          | 0.103  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 14 AWG (GXL)                | 2.97                          | 0.117  |                               |          | ✓      | ✓        | ✓      | ✓        | ✓                      |                       |
| 14 AWG (SXL)                | 3.58                          | 0.141  |                               |          |        |          | ✓      | ✓        | ✓                      |                       |

**Note:** Insulation Diameter (Nominal) accuracy not guaranteed.

Receptacle Contacts (Sockets)

**Technical Features**

**Contact Material:**

Copper Alloy

**Contact Finish:**

Gold or Nickel

**Wire Size Range:**

0.5–2.0 mm<sup>2</sup> (20–14 AWG)

**Insulation Diameter:**

1.27–3.67 mm

**Current Carrying Capacity:**

13 amps

**Temperature Range**

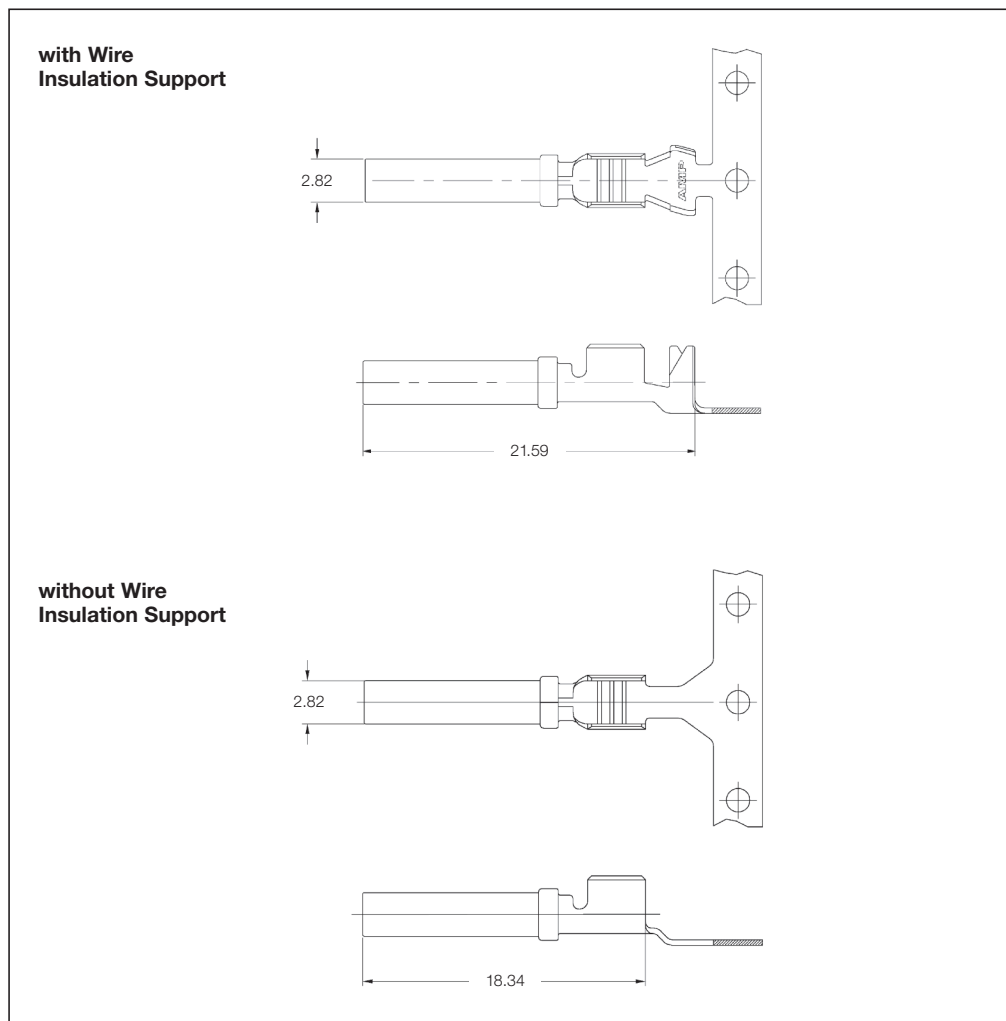
–40 °C to +125 °C

**Product Specification:**

108-2184

**Application Specification:**

114-13045



**Receptacle Contacts with Wire Insulation Support**

| Wire Size Range    |       | Insulation Diameter (mm) | Material and Finish  | Part Numbers |                  |             |                  | Applicator                                 | Hand Tool |
|--------------------|-------|--------------------------|----------------------|--------------|------------------|-------------|------------------|--------------------------------------------|-----------|
| (mm <sup>2</sup> ) | (AWG) |                          |                      | Strip Form   | Package Quantity | Loose-Piece | Package Quantity |                                            |           |
| 0.5–0.8            | 20–18 | 1.27–2.72                | Copper Alloy, Gold   | 1924464-1    | 4,000            | 1924580-1   | 1,000            | See Application Specification<br>114-13045 |           |
|                    |       |                          | Copper Alloy, Nickel | 1924464-2    | 4,000            | 1924580-2   | 1,000            |                                            |           |
| 0.8–2.0            | 18–14 | 2.26–3.33                | Copper Alloy, Gold   | 776492-1     | 4,000            | 776299-1    | 1,000            |                                            |           |
|                    |       |                          | Copper Alloy, Nickel | 776492-2     | 4,000            | 776299-2    | 1,000            |                                            |           |

**Note:** All Part Numbers are RoHS and ELV compliant.

**Receptacle Contacts without Wire Insulation Support**

| Wire Size Range    |       | Insulation Diameter (mm) | Material and Finish  | Part Numbers |                  |             |                  | Applicator                                 | Hand Tool |
|--------------------|-------|--------------------------|----------------------|--------------|------------------|-------------|------------------|--------------------------------------------|-----------|
| (mm <sup>2</sup> ) | (AWG) |                          |                      | Strip Form   | Package Quantity | Loose-Piece | Package Quantity |                                            |           |
| 0.8–2.0            | 18–14 | 2.18–3.67                | Copper Alloy, Gold   | 776491-1     | 4,000            | 776297-1    | 1,000            | See Application Specification<br>114-13045 |           |
|                    |       |                          | Copper Alloy, Nickel | 776491-2     | 4,000            | 776297-2    | 1,000            |                                            |           |

**Note:** All Part Numbers are RoHS and ELV compliant.

Pin Contacts

**Technical Features**

**Contact Material:**

Copper Alloy

**Contact Finish:**

Gold or Nickel

**Wire Size Range:**

0.5–2.0 mm<sup>2</sup> (20–14 AWG)

**Insulation Diameter:**

1.27–3.67 mm

**Current Carrying Capacity:**

13 amps

**Temperature Range**

–40 °C to +125 °C

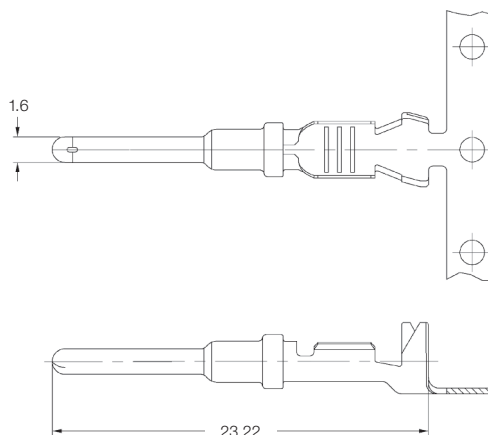
**Product Specification:**

108-2184

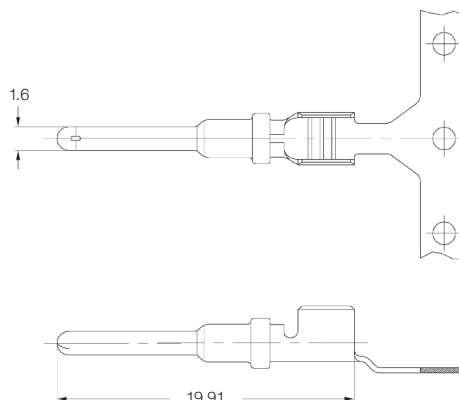
**Application Specification:**

114-13045

**with Wire  
Insulation Support**



**without Wire  
Insulation Support**



**Pin Contacts with Wire Insulation Support**

| Wire Size Range    |       | Insulation Diameter (mm) | Material and Finish  | Part Numbers |                  |             |                  | Applicator                                 | Hand Tool |
|--------------------|-------|--------------------------|----------------------|--------------|------------------|-------------|------------------|--------------------------------------------|-----------|
| (mm <sup>2</sup> ) | (AWG) |                          |                      | Strip Form   | Package Quantity | Loose-Piece | Package Quantity |                                            |           |
| 0.5–0.8            | 20–18 | 1.27–2.72                | Copper Alloy, Gold   | 1924463-1    | 4,000            | 1924579-1   | 1,000            | See Application Specification<br>114-13045 |           |
|                    |       |                          | Copper Alloy, Nickel | 1924463-3    | 4,000            | 1924579-3   | 1,000            |                                            |           |
| 0.8–2.0            | 18–14 | 2.26–3.33                | Copper Alloy, Gold   | 638078-1     | 4,000            | 776300-1    | 1,000            |                                            |           |
|                    |       |                          | Copper Alloy, Nickel | 638078-3     | 4,000            | 776300-2    | 1,000            |                                            |           |

**Note:** All Part Numbers are RoHS and ELV compliant.

**Pin Contacts without Wire Insulation Support**

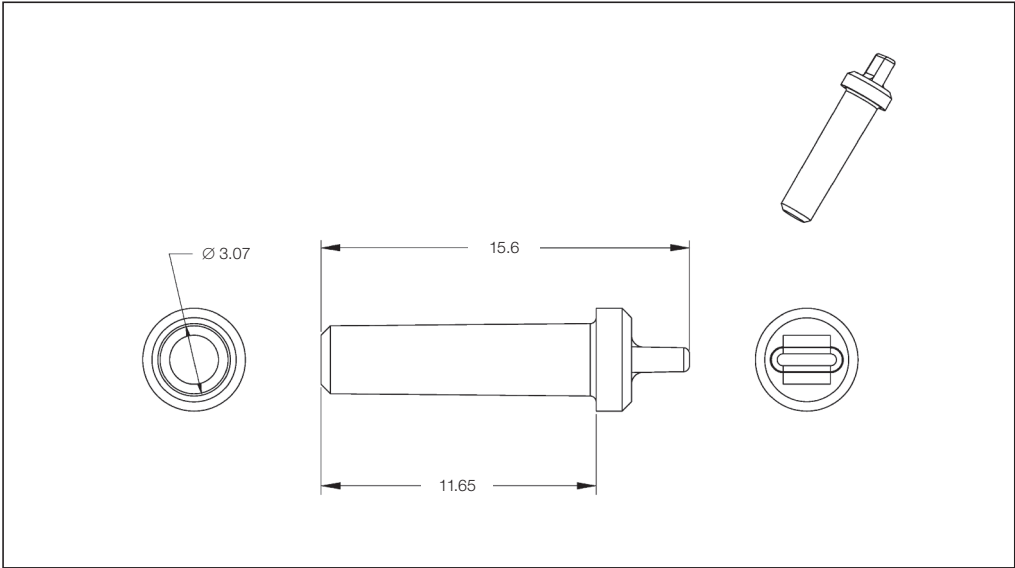
| Wire Size Range    |       | Insulation Diameter (mm) | Material and Finish  | Part Numbers |                  |             |                  | Applicator                                 | Hand Tool |
|--------------------|-------|--------------------------|----------------------|--------------|------------------|-------------|------------------|--------------------------------------------|-----------|
| (mm <sup>2</sup> ) | (AWG) |                          |                      | Strip Form   | Package Quantity | Loose-Piece | Package Quantity |                                            |           |
| 0.8–2.0            | 18–14 | 2.18–3.67                | Copper Alloy, Gold   | 638112-1     | 4,000            | 776298-1    | 1,000            | See Application Specification<br>114-13045 |           |
|                    |       |                          | Copper Alloy, Nickel | 638112-3     | 4,000            | 776298-2    | 1,000            |                                            |           |

**Note:** All Part Numbers are RoHS and ELV compliant.

Cavity Plugs for Unsealed Cavity

Technical Features

- **Material:**  
Glass reinforced PBT
- **Resistant to a wide range of chemicals**
- **UL 94-HB rated**
- **RoHS and ELV compliant**



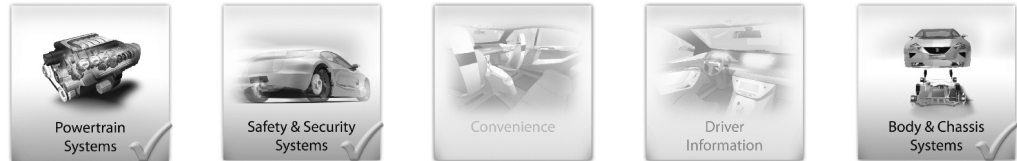
|                   | Contact Cavity Size |       | Color  | Part Number | Package Quantity |
|-------------------|---------------------|-------|--------|-------------|------------------|
|                   | (mm)                | (AWG) |        |             |                  |
| Standard Diameter | 3.07                | 16    | Yellow | 776363-1    | 10,000           |
| Reduced Diameter  | 2.55                | 20    | White  | 776364-1    | 10,000           |

Engineering Notes

A large grid area for engineering notes, consisting of a uniform pattern of small squares. A solid black rectangular block is positioned on the left side of the page, partially overlapping the grid.

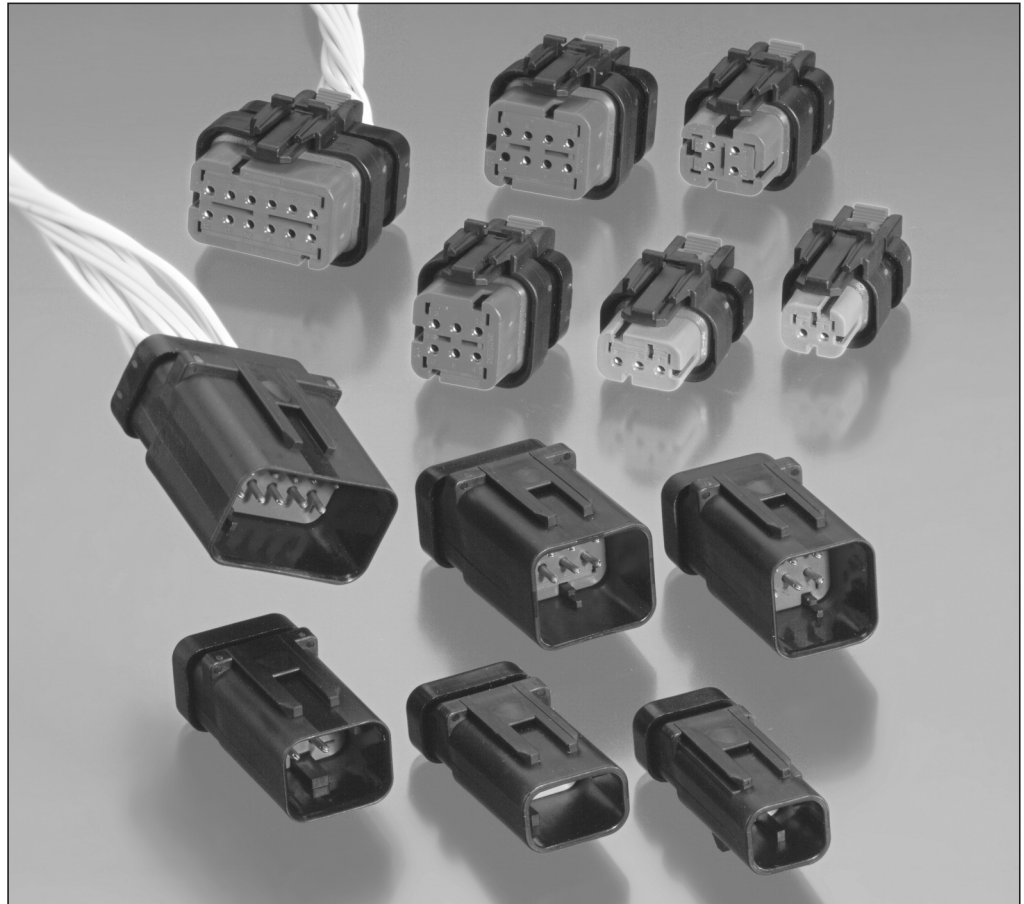


## Introduction



### Product Features

- Integral PLR provides primary latch reinforcement with no additional assembly
- Keyed / polarized, prevents mismatching
- Integral CPA protects against accidental unlocking
- Attachment feature on pin housing provides connector clip mounting
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



The AMPSEAL 16 Receptacle and Pin housings come fully assembled, offering a one-piece approach for applied cost savings. Receptacle housing assemblies consist of the plug housing with both interface and wire seals, wire seal cover, PLR & CPA.

Thermoplastic housings (–40 °C to +125 °C rated) and silicone seals allow connectors to withstand extreme temperatures and moisture.

Pin housing assemblies are comprised of cap housing with wire seal, wire seal cover, and PLR. The single latch design with anti-overstress feature is only one of many additional features. Both color coding and physical keying prevents mismatching when multiple housings of the same position size are used in the application.

## 1-Row Sealed Receptacle (Plug) Housings

### Technical Features

**No. of Positions:**

2 (1×2) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

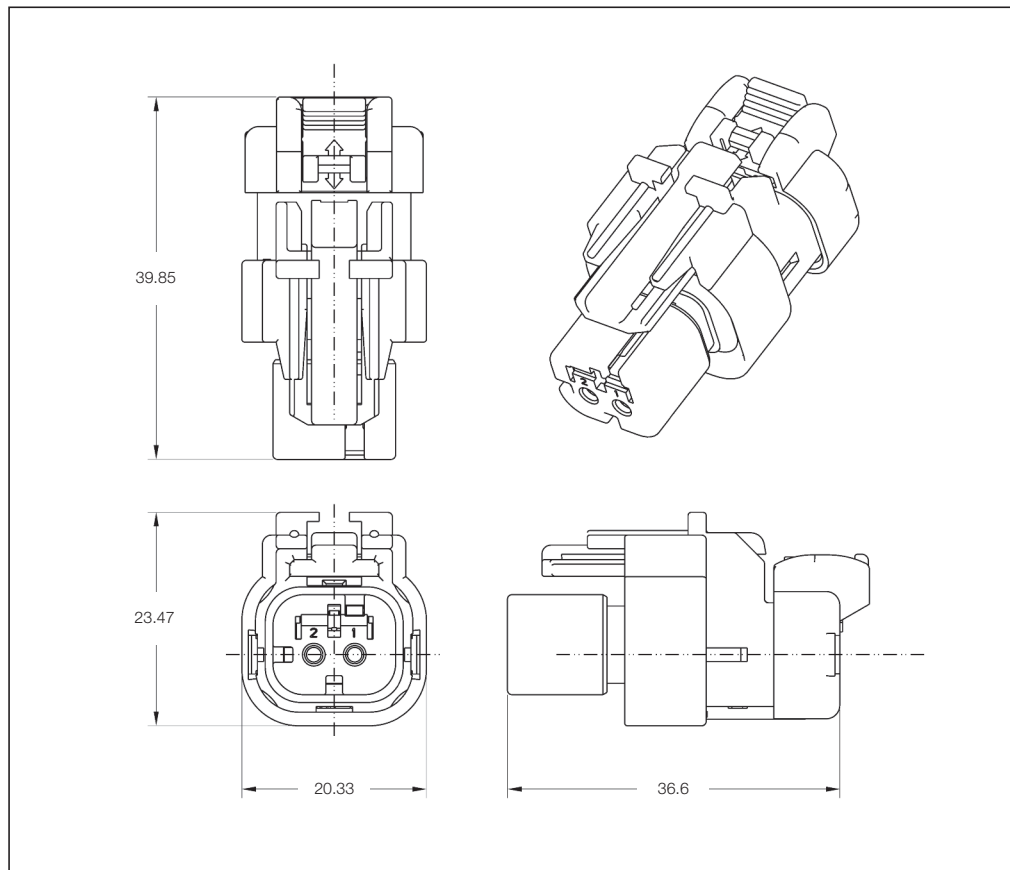
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range  
of chemicals

■ RoHS and ELV compliant



### Sealed Receptacle Housings 1-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 2                | Red       | Key A  | 776427-1                  | 776428-1                 |
|                  |           |        |                           | 1717672-1                |
|                  | Gray      | Key B  | 776427-2                  | 776428-2                 |
|                  |           |        |                           | 1717672-2                |
|                  | Yellow    | Key C  | 776427-3                  | 776428-3                 |
|                  |           |        |                           | 1717672-3                |
|                  | Green     | Key D  | 776427-4                  | 776428-4                 |
|                  |           |        |                           | 1717672-4                |

### Sealed Receptacle Housings 1-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 2                | Red       | Key A  | 776522-1                  | 776534-1                 |
|                  | Gray      | Key B  | 776522-2                  | 776534-2                 |
|                  | Yellow    | Key C  | 776522-3                  | 776534-3                 |
|                  | Green     | Key D  | 776522-4                  | 776534-4                 |

1-Row Sealed Receptacle (Plug) Housings (continued)

**Technical Features**

**No. of Positions:**

3 (1×3) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

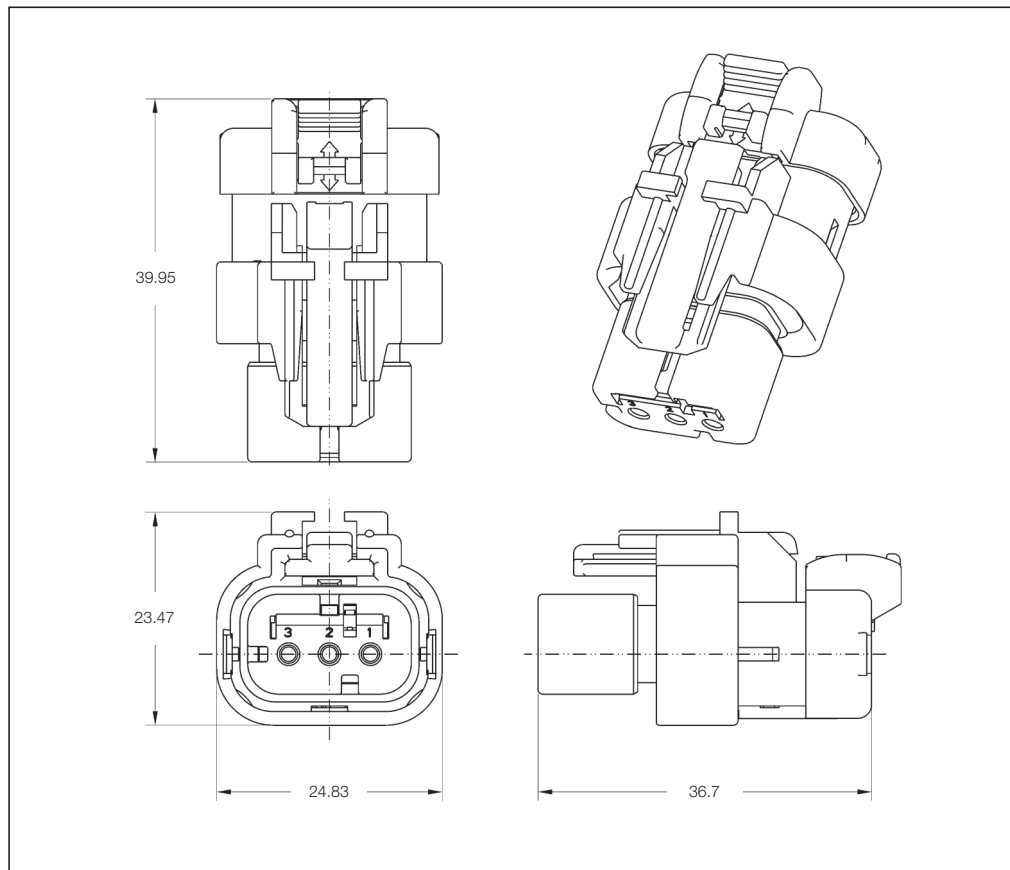
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



**Sealed Receptacle Housings 1-Row with Standard Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 3                | Red       | Key A  | 776429-1                  | 776430-1                 |
|                  |           |        |                           | 1717673-1                |
|                  | Gray      | Key B  | 776429-2                  | 776430-2                 |
|                  |           |        |                           | 1717673-2                |
|                  | Yellow    | Key C  | 776429-3                  | 776430-3                 |
|                  |           |        |                           | 1717673-3                |
|                  | Green     | Key D  | 776429-4                  | 776430-4                 |
|                  |           |        |                           | 1717673-4                |

**Sealed Receptacle Housings 1-Row with Reduced Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 3                | Red       | Key A  | 776523-1                  | 776535-1                 |
|                  | Gray      | Key B  | 776523-2                  | 776535-2                 |
|                  | Yellow    | Key C  | 776523-3                  | 776535-3                 |
|                  | Green     | Key D  | 776523-4                  | 776535-4                 |

## 2-Row Sealed Receptacle (Plug) Housings

### Technical Features

**No. of Positions:**

4 (2×2) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

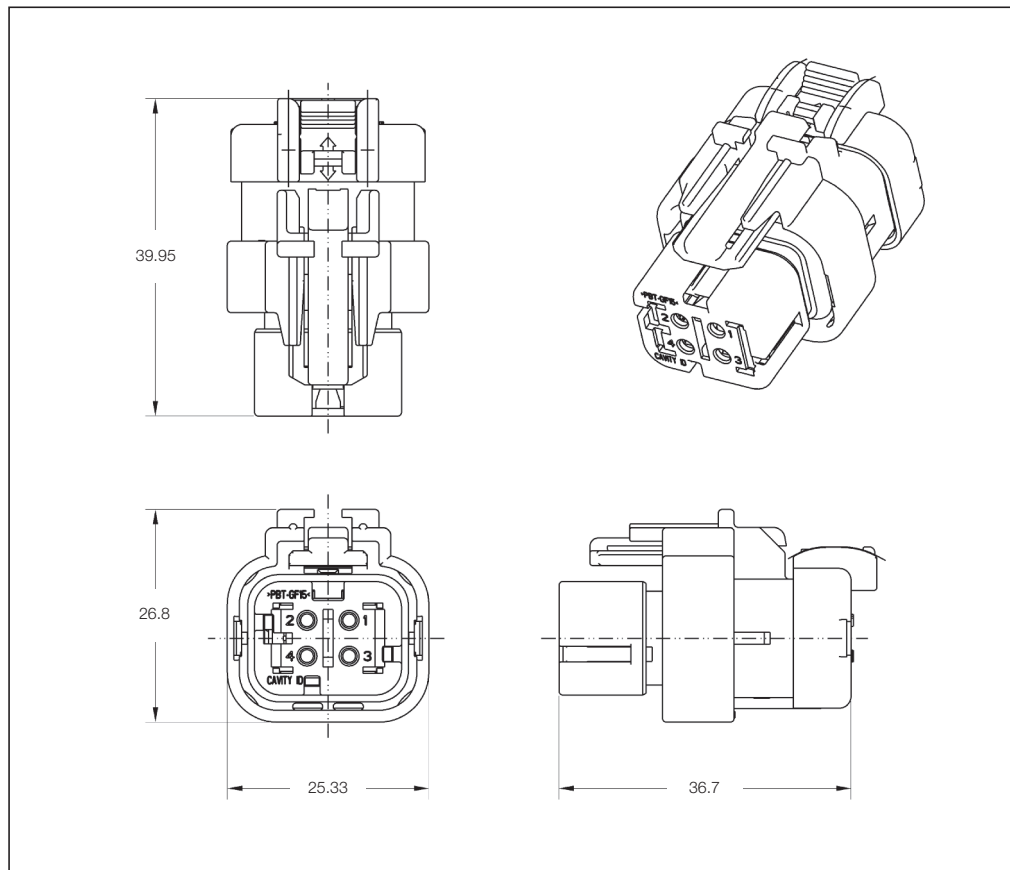
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



### Sealed Receptacle Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 4                | Red       | Key A  | 776487-1                  | 776488-1<br>1717674-1    |
|                  | Gray      | Key B  | 776487-2                  | 776488-2<br>1717674-2    |
|                  | Yellow    | Key C  | 776487-3                  | 776488-3<br>1717674-3    |
|                  | Green     | Key D  | 776487-4                  | 776488-4<br>1717674-4    |

### Sealed Receptacle Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 4                | Red       | Key A  | 776524-1                  | 776536-1                 |
|                  | Gray      | Key B  | 776524-2                  | 776536-2                 |
|                  | Yellow    | Key C  | 776524-3                  | 776536-3                 |
|                  | Green     | Key D  | 776524-4                  | 776536-4                 |

2-Row Sealed Receptacle (Plug) Housings (continued)

**Technical Features**

**No. of Positions:**

6 (2×3) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

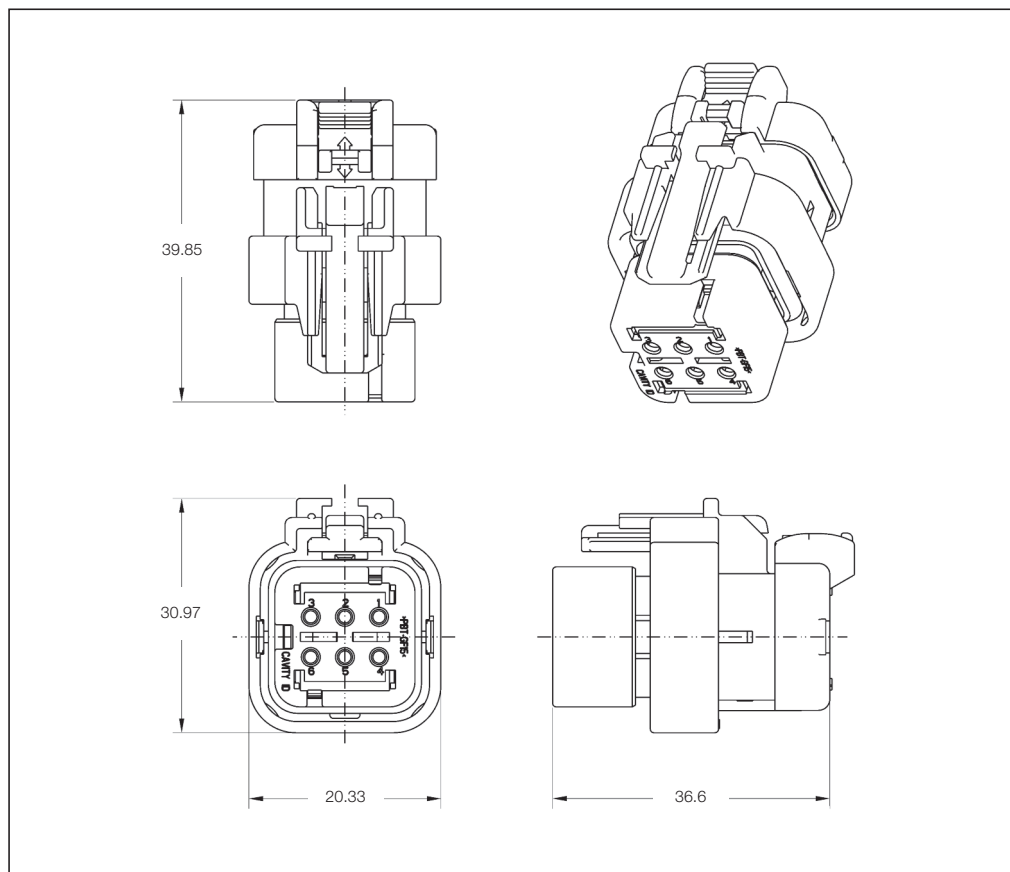
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range  
of chemicals

■ RoHS and ELV compliant



**Sealed Receptacle Housings 2-Row with Standard Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 6                | Red       | Key A  | 776433-1                  | 776434-1                 |
|                  |           |        |                           | 1717675-1                |
|                  | Gray      | Key B  | 776433-2                  | 776434-2                 |
|                  |           |        |                           | 1717675-2                |
|                  | Yellow    | Key C  | 776433-3                  | 776434-3                 |
|                  |           |        |                           | 1717675-3                |

**Sealed Receptacle Housings 2-Row with Reduced Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 6                | Red       | Key A  | 776531-1                  | 776537-1                 |
|                  |           |        |                           | 1717975-1                |
|                  | Gray      | Key B  | 776531-2                  | 776537-2                 |
|                  |           |        |                           | 1717975-2                |
|                  | Yellow    | Key C  | 776531-3                  | 776537-3                 |
|                  |           |        |                           | 1717975-3                |

## 2-Row Sealed Receptacle (Plug) Housings

### Technical Features

**No. of Positions:**

8 (2×4) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

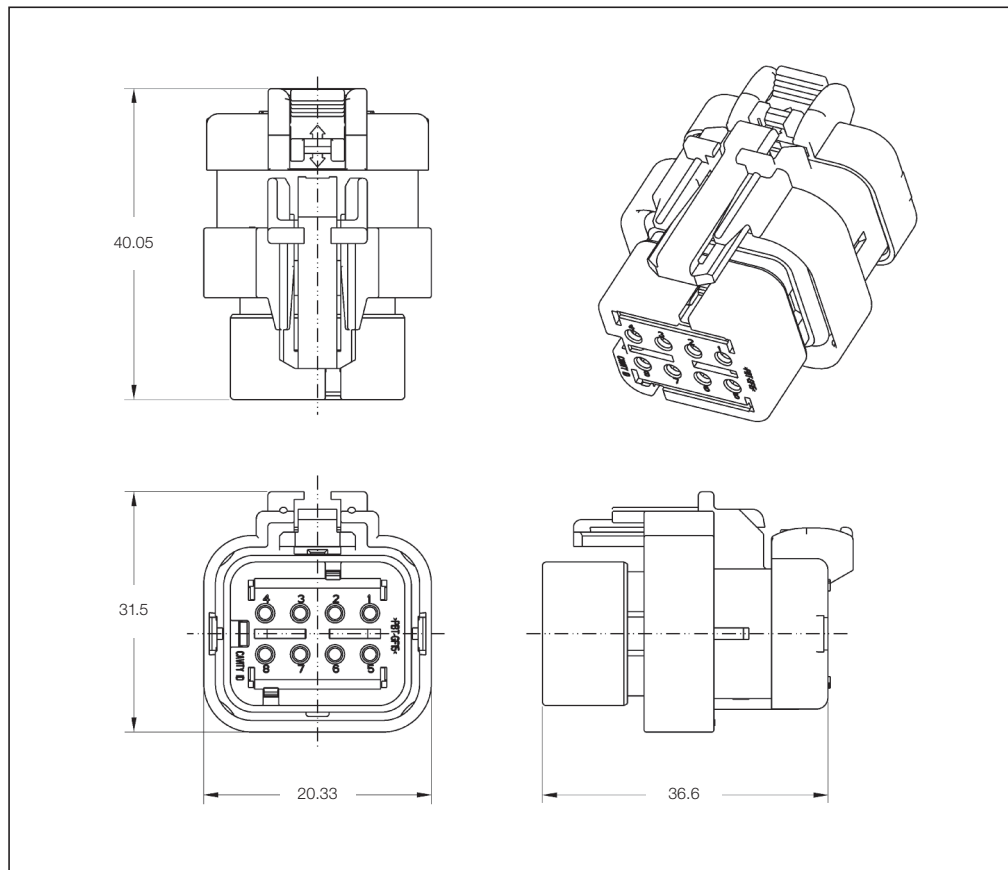
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



### Sealed Receptacle Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 8                | Red       | Key A  | 776494-1                  | 776495-1                 |
|                  |           |        |                           | 1717676-1                |
|                  | Gray      | Key B  | 776494-2                  | 776495-2                 |
|                  |           |        |                           | 1717676-2                |
|                  | Yellow    | Key C  | 776494-3                  | 776495-3                 |
|                  |           |        |                           | 1717676-3                |
|                  | Green     | Key D  | 776494-4                  | 776495-4                 |
|                  |           |        |                           | 1717676-4                |

### Sealed Receptacle Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 8                | Red       | Key A  | 776532-1                  | 776538-1                 |
|                  | Gray      | Key B  | 776532-2                  | 776538-2                 |
|                  | Yellow    | Key C  | 776532-3                  | 776538-3                 |
|                  | Green     | Key D  | 776532-4                  | 776538-4                 |

2-Row Sealed Receptacle (Plug) Housings (continued)

**Technical Features**

**No. of Positions:**

12 (2×6) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

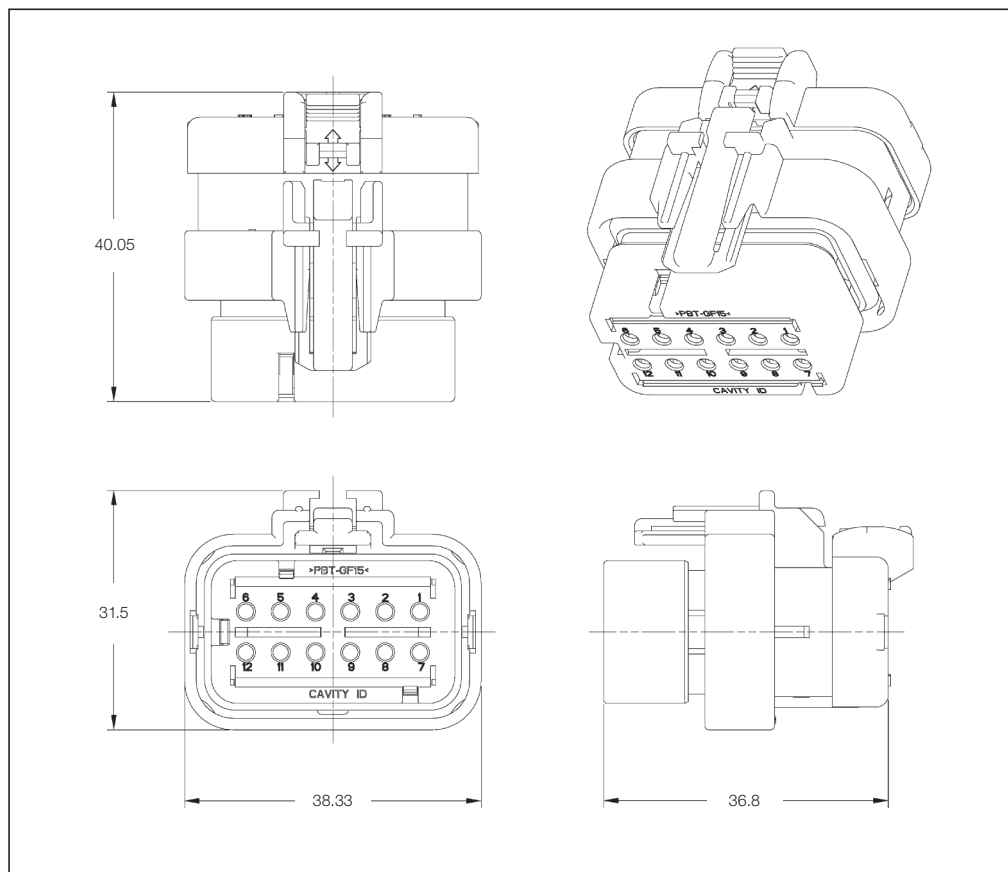
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



**Sealed Receptacle Housings 2-Row with Standard Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 12               | Red       | Key A  | 776437-1                  | 776538-1                 |
|                  |           |        |                           | 1717677-1                |
|                  | Gray      | Key B  | 776437-2                  | 776538-2                 |
|                  |           |        |                           | 1717677-2                |
|                  | Yellow    | Key C  | 776437-3                  | 776538-3                 |
|                  |           |        |                           | 1717677-3                |
|                  | Green     | Key D  | 776437-4                  | 776538-4                 |
|                  |           |        |                           | 1717677-4                |

**Sealed Receptacle Housings 2-Row with Reduced Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers              |                          |
|------------------|-----------|--------|---------------------------|--------------------------|
|                  |           |        | Receptacle (Plug) Housing | Mating Pin (Cap) Housing |
| 12               | Red       | Key A  | 776533-1                  | 776539-1                 |
|                  |           |        |                           | 1717934-1                |
|                  | Gray      | Key B  | 776533-2                  | 776539-2                 |
|                  |           |        |                           | 1717934-2                |
|                  | Yellow    | Key C  | 776533-3                  | 776539-3                 |
|                  |           |        |                           | 1717934-3                |
|                  | Green     | Key D  | 776533-4                  | 776539-4                 |
|                  |           |        |                           | 1717934-4                |

## 1-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

2 (1×2) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

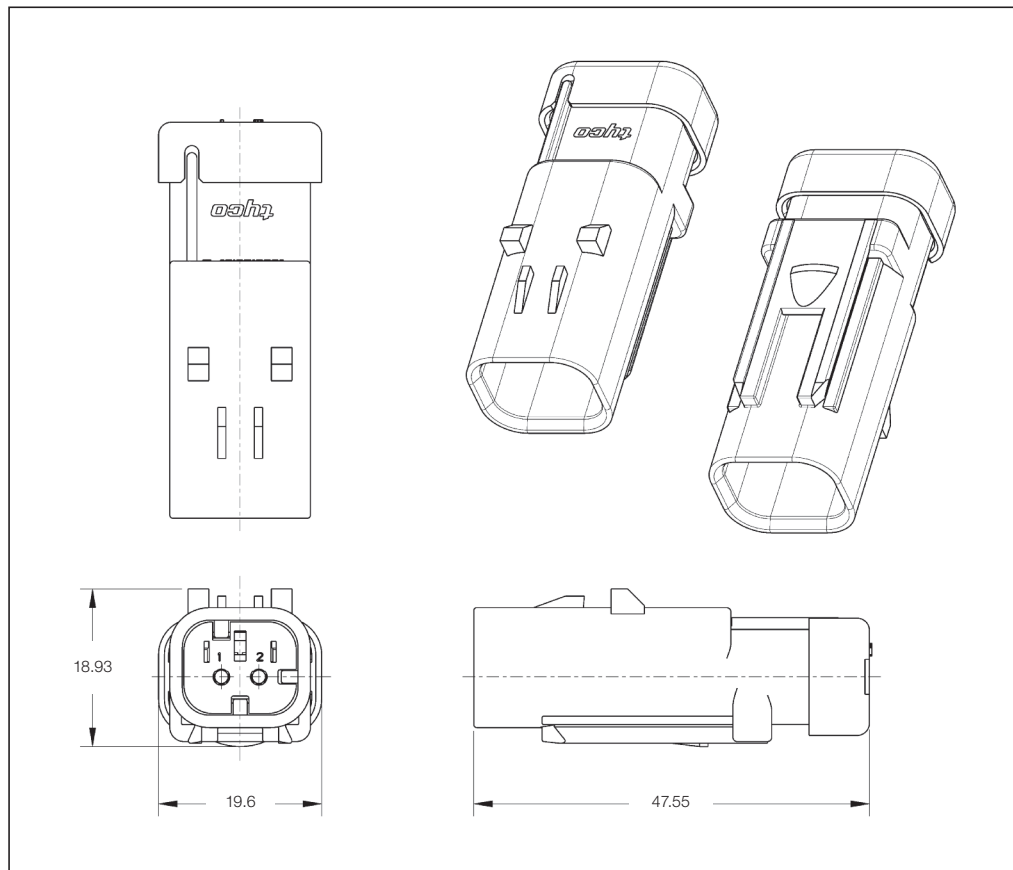
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



### Sealed Pin Housings 1-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 2                | Red       | Key A  | 776428-1          | 776427-1                         |
|                  | Gray      | Key B  | 776428-2          | 776427-2                         |
|                  | Yellow    | Key C  | 776428-3          | 776427-3                         |
|                  | Green     | Key D  | 776428-4          | 776427-4                         |

### Sealed Pin Housings 1-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 2                | Red       | Key A  | 776534-1          | 776522-1                         |
|                  | Gray      | Key B  | 776534-2          | 776522-2                         |
|                  | Yellow    | Key C  | 776534-3          | 776522-3                         |
|                  | Green     | Key D  | 776534-4          | 776522-4                         |



1-Row Sealed Pin (Cap) Housings – Reversed Type

**Technical Features**

**No. of Positions:**  
2 (1×2) Position Assembly

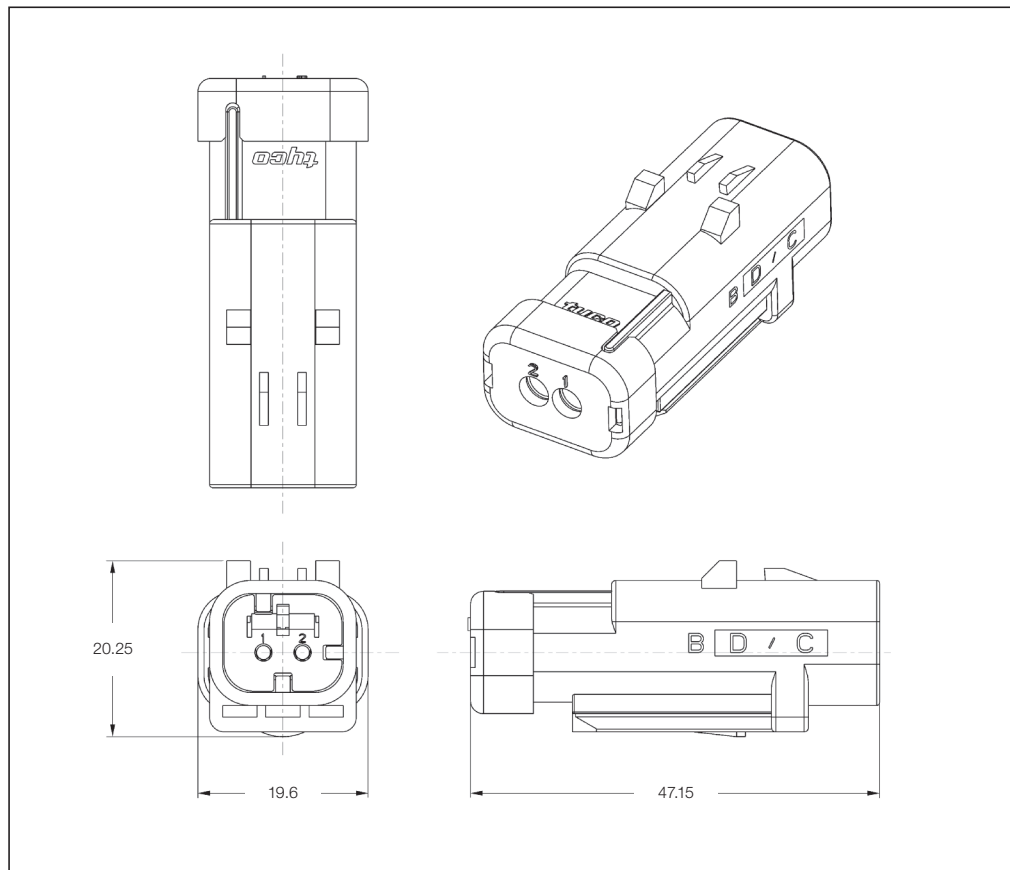
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 1-Row – Reversed Mounting Feature**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 2                | Red       | Key A  | 1717672-1         | 776427-1                         |
|                  | Gray      | Key B  | 1717672-2         | 776427-2                         |
|                  | Yellow    | Key C  | 1717672-3         | 776427-3                         |
|                  | Green     | Key D  | 1717672-4         | 776427-4                         |

## 1-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

3 (1×3) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

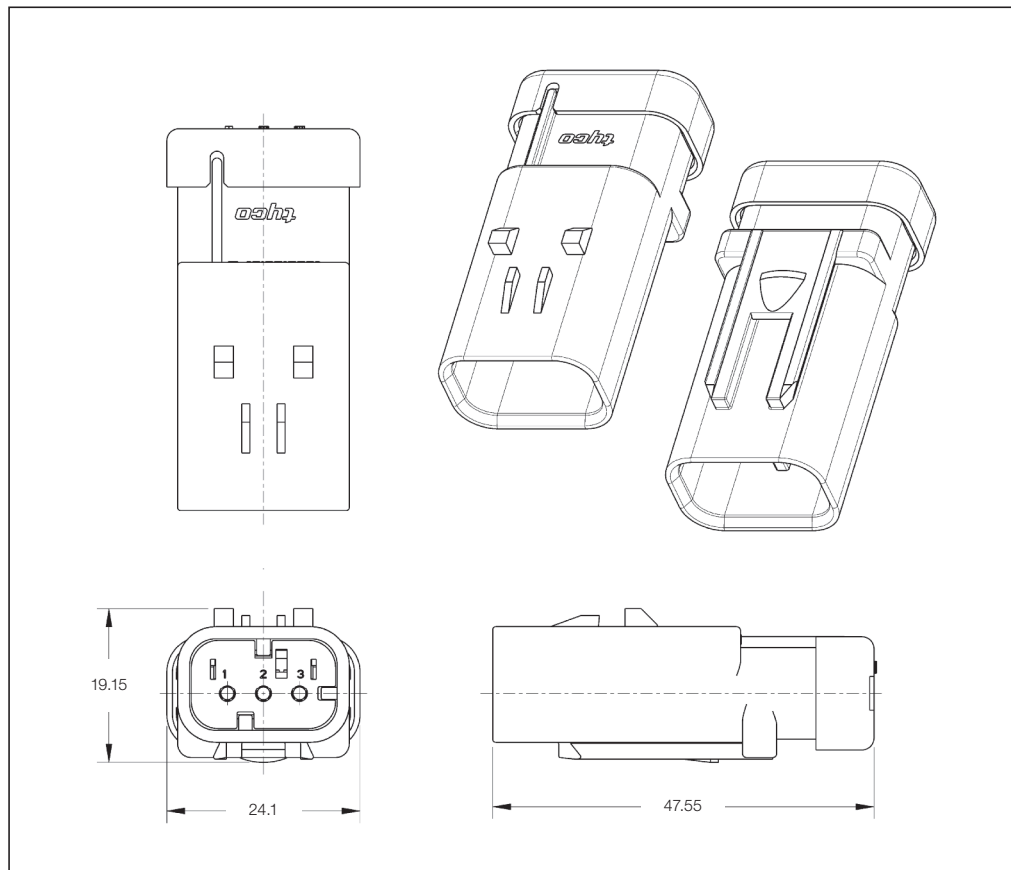
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range of chemicals

■ RoHS and ELV compliant



### Sealed Pin Housings 1-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 3                | Red       | Key A  | 776430-1          | 776429-1                         |
|                  | Gray      | Key B  | 776430-2          | 776429-2                         |
|                  | Yellow    | Key C  | 776430-3          | 776429-3                         |
|                  | Green     | Key D  | 776430-4          | 776429-4                         |

### Sealed Pin Housings 1-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 3                | Red       | Key A  | 776535-1          | 776523-1                         |
|                  | Gray      | Key B  | 776535-2          | 776523-2                         |
|                  | Yellow    | Key C  | 776535-3          | 776523-3                         |
|                  | Green     | Key D  | 776535-4          | 776523-4                         |

1-Row Sealed Pin (Cap) Housings – Reversed Type

**Technical Features**

**No. of Positions:**  
3 (1×3) Position Assembly

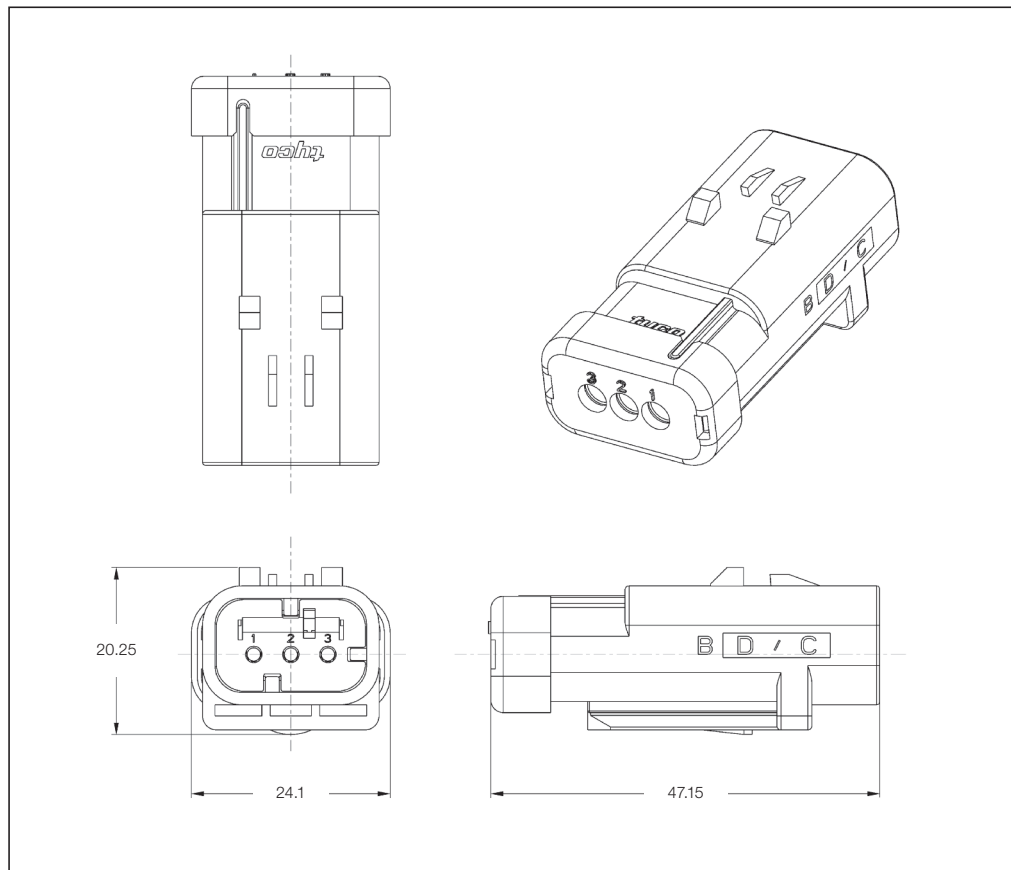
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 1-Row – Reversed Mounting Feature**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 3                | Red       | Key A  | 1717673-1         | 776429-1                         |
|                  | Gray      | Key B  | 1717673-2         | 776429-2                         |
|                  | Yellow    | Key C  | 1717673-3         | 776429-3                         |
|                  | Green     | Key D  | 1717673-4         | 776429-4                         |

## 2-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

4 (2×2) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

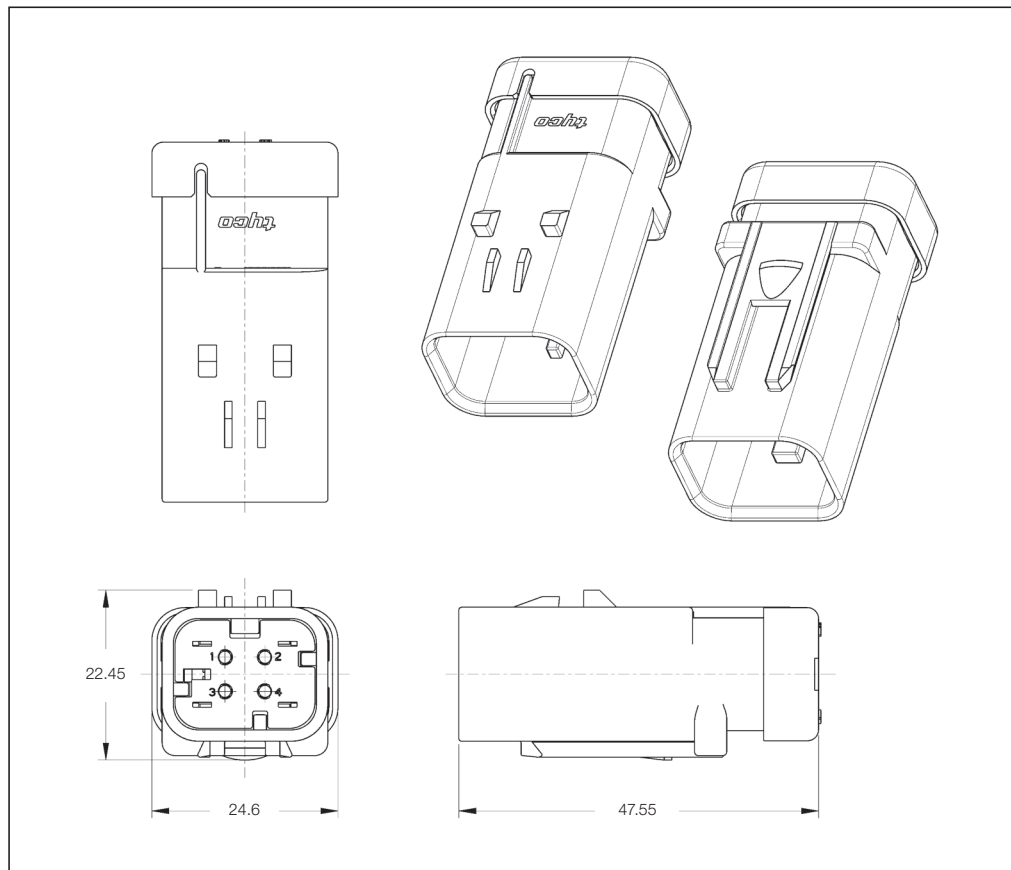
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range  
of chemicals

■ RoHS and ELV compliant



### Sealed Pin Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 4                | Red       | Key A  | 776488-1          | 776487-1                         |
|                  | Gray      | Key B  | 776488-2          | 776487-2                         |
|                  | Yellow    | Key C  | 776488-3          | 776487-3                         |
|                  | Green     | Key D  | 776488-4          | 776487-4                         |

### Sealed Pin Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 4                | Red       | Key A  | 776536-1          | 776524-1                         |
|                  | Gray      | Key B  | 776536-2          | 776524-2                         |
|                  | Yellow    | Key C  | 776536-3          | 776524-3                         |
|                  | Green     | Key D  | 776536-4          | 776524-4                         |

**2-Row Sealed Pin (Cap) Housings – Reversed Type**

**Technical Features**

**No. of Positions:**  
4 (2×2) Position Assembly

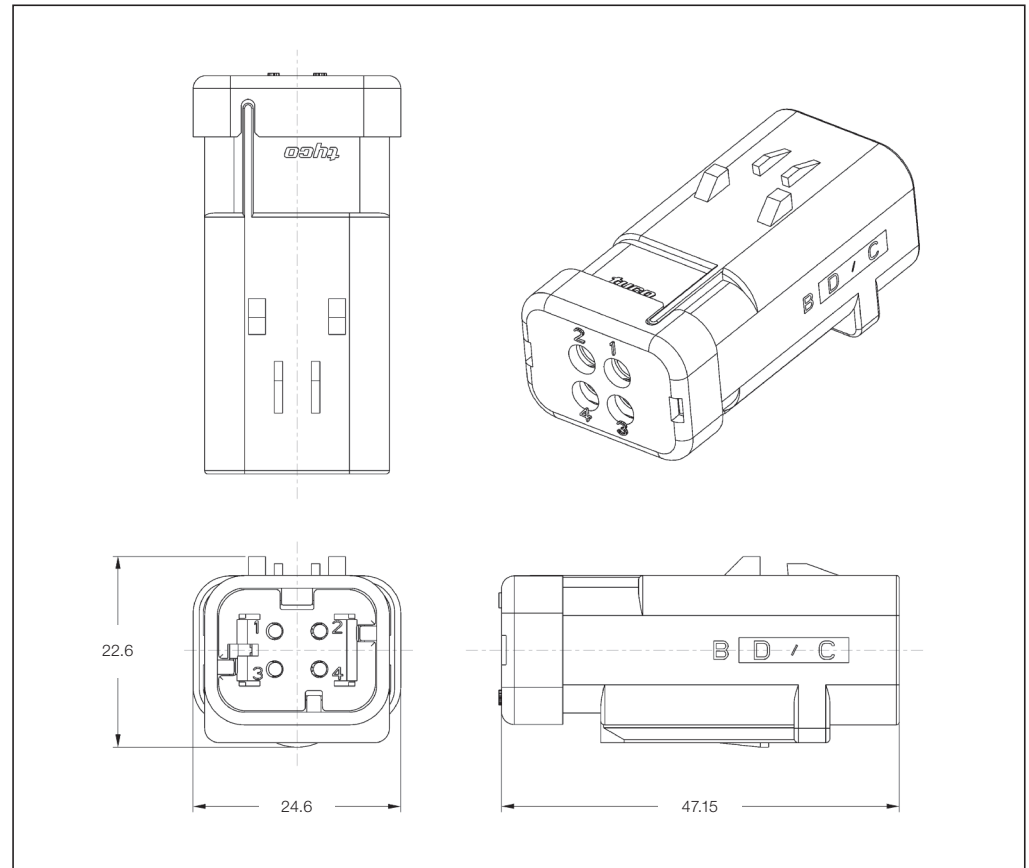
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 2-Row – Reversed Mounting Feature**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 4                | Red       | Key A  | 1717674-1         | 776487-1                         |
|                  | Gray      | Key B  | 1717674-2         | 776487-2                         |
|                  | Yellow    | Key C  | 1717674-3         | 776487-3                         |
|                  | Green     | Key D  | 1717674-4         | 776487-4                         |

## 2-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

6 (2×3) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

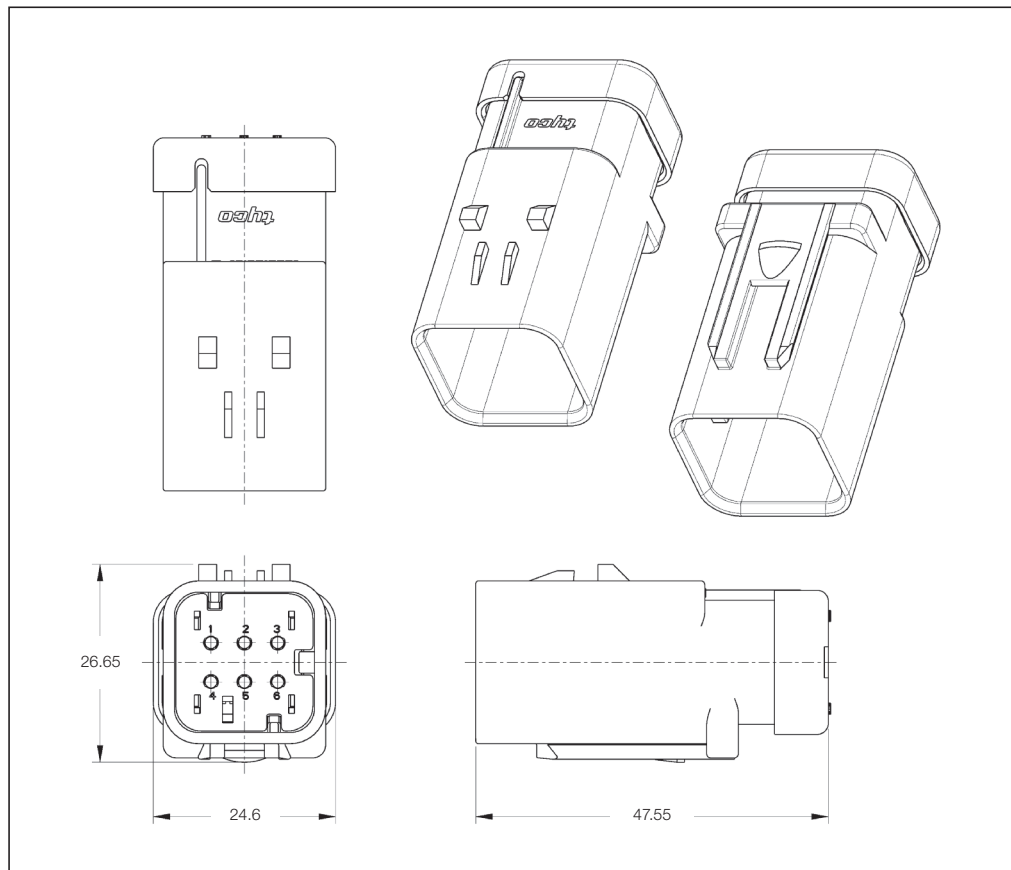
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range  
of chemicals

■ RoHS and ELV compliant



### Sealed Pin Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 6                | Red       | Key A  | 776434-1          | 776433-1                         |
|                  | Gray      | Key B  | 776434-2          | 776433-2                         |
|                  | Yellow    | Key C  | 776434-3          | 776433-3                         |

### Sealed Pin Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 6                | Red       | Key A  | 776537-1          | 776531-1                         |
|                  | Gray      | Key B  | 776537-2          | 776531-2                         |
|                  | Yellow    | Key C  | 776537-3          | 776531-3                         |

2-Row Sealed Pin (Cap) Housings – Reversed Type

**Technical Features**

**No. of Positions:**  
6 (2×3) Position Assembly

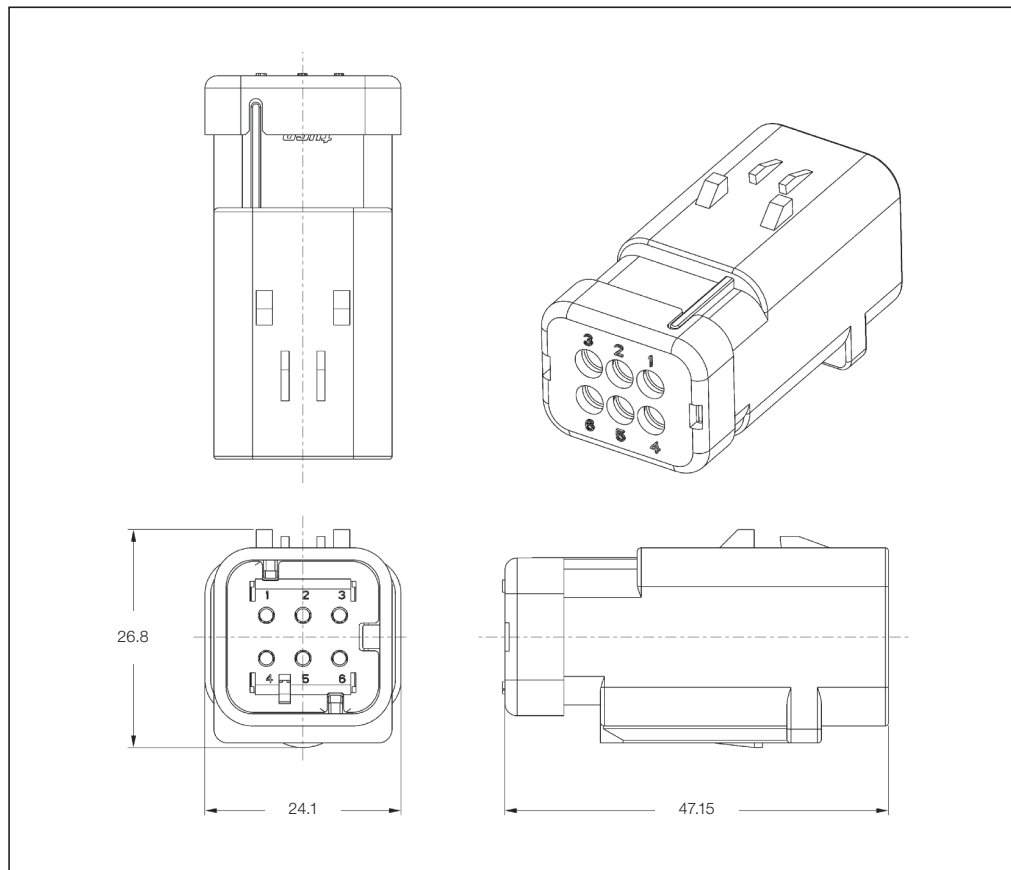
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 2-Row – Reversed Mounting Feature**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 6                | Red       | Key A  | 1717675-1         | 776433-1                         |
|                  | Gray      | Key B  | 1717675-2         | 776433-2                         |
|                  | Yellow    | Key C  | 1717675-3         | 776433-3                         |

**Sealed Pin Housings 2-Row – Reversed Type with Reduced Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 6                | Red       | Key A  | 1717975-1         | 776531-1                         |
|                  | Gray      | Key B  | 1717975-2         | 776531-2                         |
|                  | Yellow    | Key C  | 1717975-3         | 776531-3                         |

## 2-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

8 (2×4) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

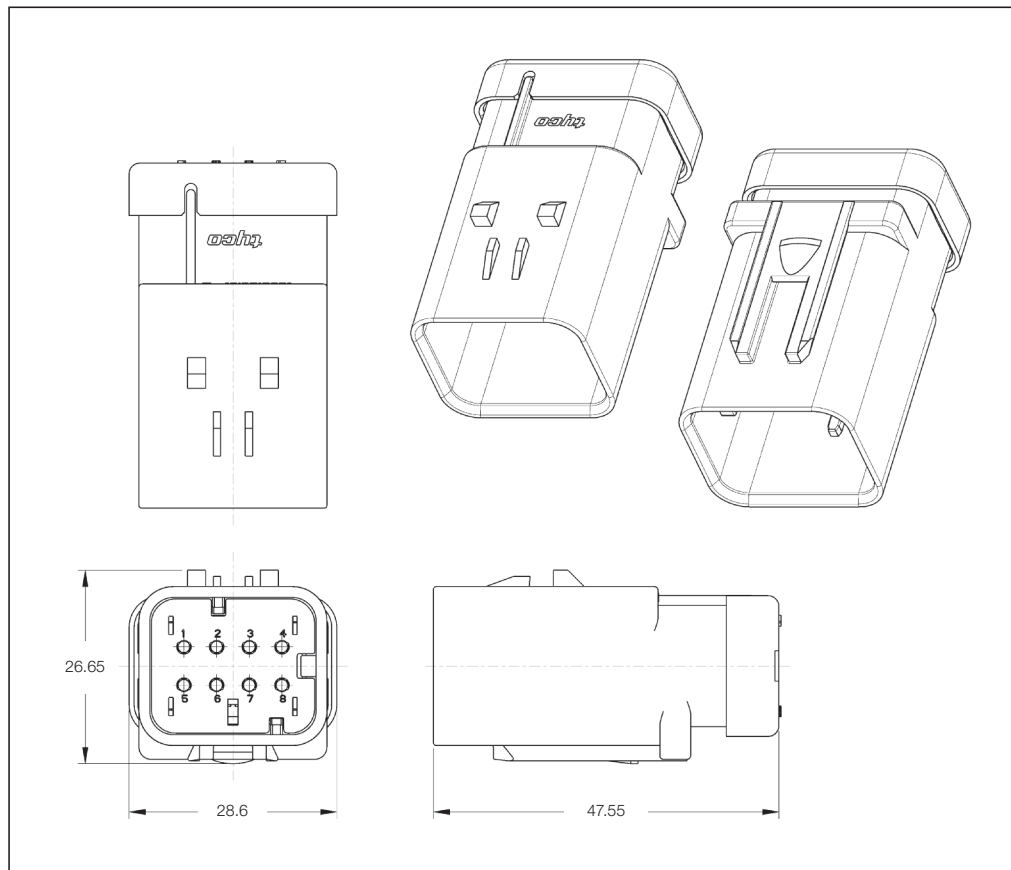
**Application Specification:**

114-13065

■ UL 94-HB rated

■ Resistant to a wide range  
of chemicals

■ RoHS and ELV compliant



### Sealed Pin Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 8                | Red       | Key A  | 776495-1          | 776494-1                         |
|                  | Gray      | Key B  | 776495-2          | 776494-2                         |
|                  | Yellow    | Key C  | 776495-3          | 776494-3                         |
|                  | Green     | Key D  | 776495-4          | 776494-4                         |

### Sealed Pin Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 8                | Red       | Key A  | 776538-1          | 776532-1                         |
|                  | Gray      | Key B  | 776538-2          | 776532-2                         |
|                  | Yellow    | Key C  | 776538-3          | 776532-3                         |
|                  | Green     | Key D  | 776538-4          | 776532-4                         |



2-Row Sealed Pin (Cap) Housings – Reversed Type

**Technical Features**

**No. of Positions:**  
8 (2×4) Position Assembly

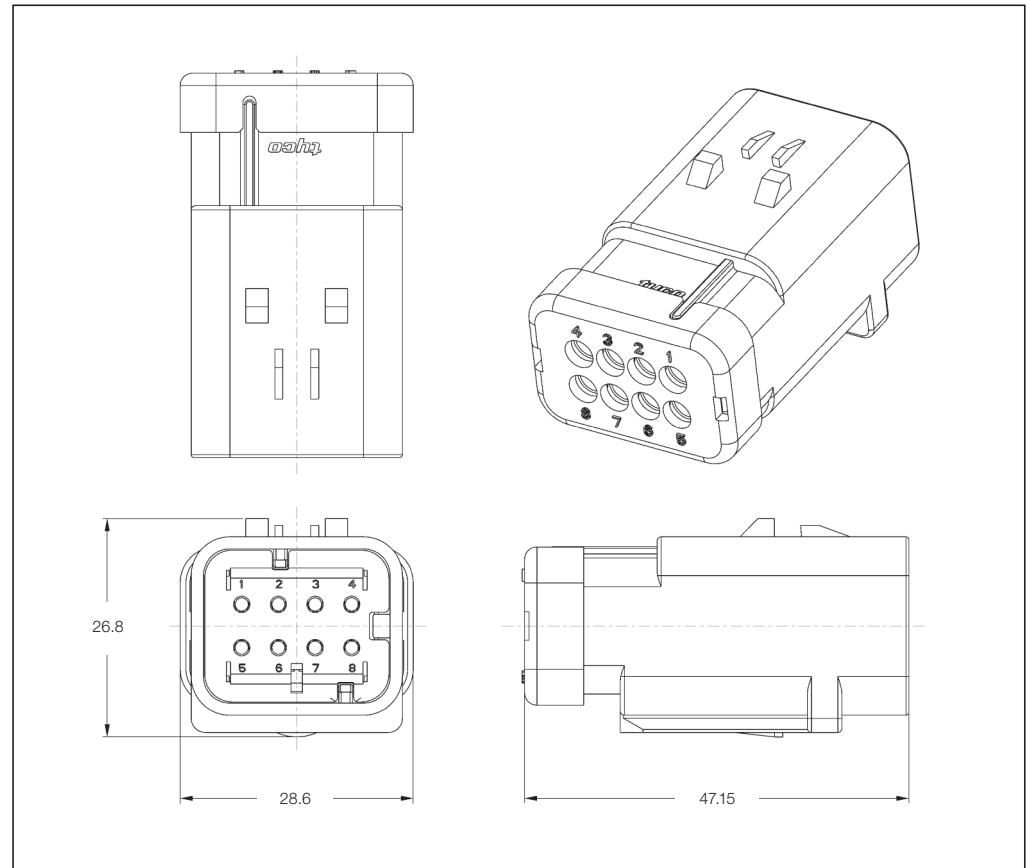
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 2-Row – Reversed Mounting Feature**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 2                | Red       | Key A  | 1717676-1         | 776494-1                         |
|                  | Gray      | Key B  | 1717676-2         | 776494-2                         |
|                  | Yellow    | Key C  | 1717676-3         | 776494-3                         |
|                  | Green     | Key D  | 1717676-4         | 776494-4                         |

## 2-Row Sealed Pin (Cap) Housings

### Technical Features

**No. of Positions:**

12 (2×6) Position Assembly

**Housing Material:**

Glass Reinforced PBT

**Wire Size Range:**

2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**

108-2184

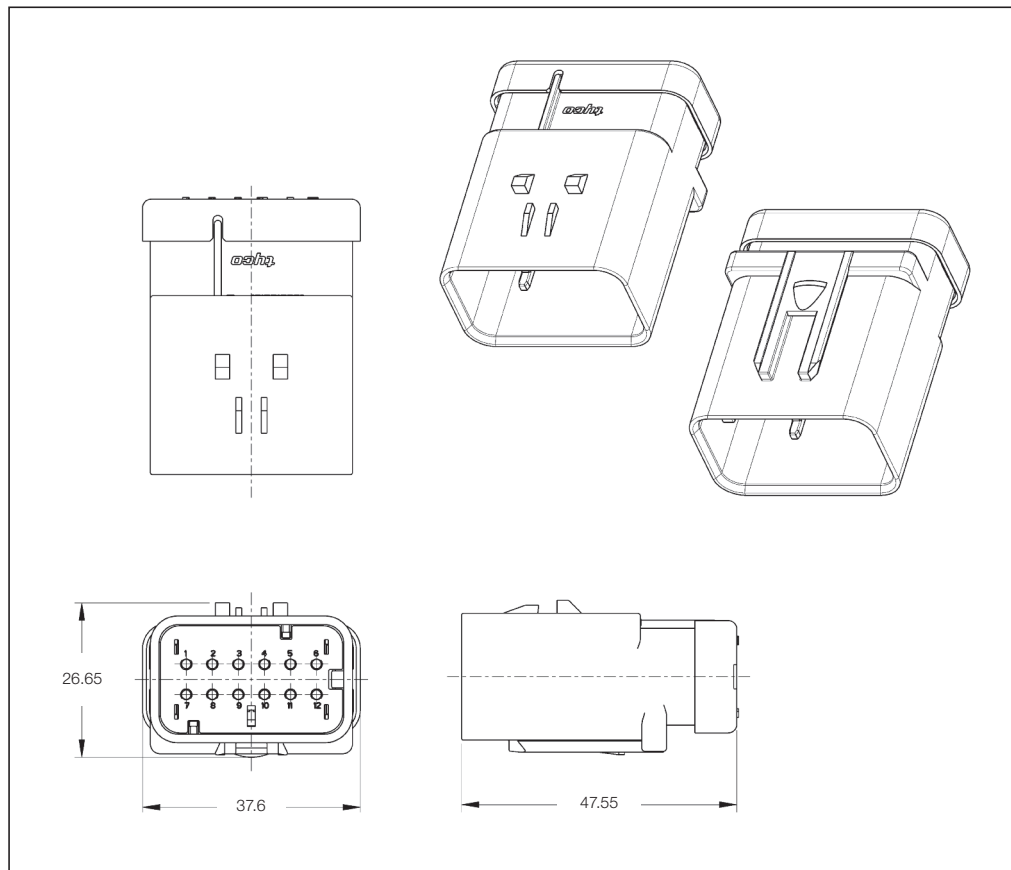
**Application Specification:**

114-13065

■ **UL 94-HB rated**

■ **Resistant to a wide range of chemicals**

■ **RoHS and ELV compliant**



### Sealed Pin Housings 2-Row with Standard Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 12               | Red       | Key A  | 776438-1          | 776437-1                         |
|                  | Gray      | Key B  | 776438-2          | 776437-2                         |
|                  | Yellow    | Key C  | 776438-3          | 776437-3                         |
|                  | Green     | Key D  | 776438-4          | 776437-4                         |

### Sealed Pin Housings 2-Row with Reduced Diameter Wire Seal

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 12               | Red       | Key A  | 776539-1          | 776533-1                         |
|                  | Gray      | Key B  | 776539-2          | 776533-2                         |
|                  | Yellow    | Key C  | 776539-3          | 776533-3                         |
|                  | Green     | Key D  | 776539-4          | 776533-4                         |

2-Row Sealed Pin (Cap) Housings – Reversed Type

**Technical Features**

**No. of Positions:**  
12 (2×6) Position Assembly

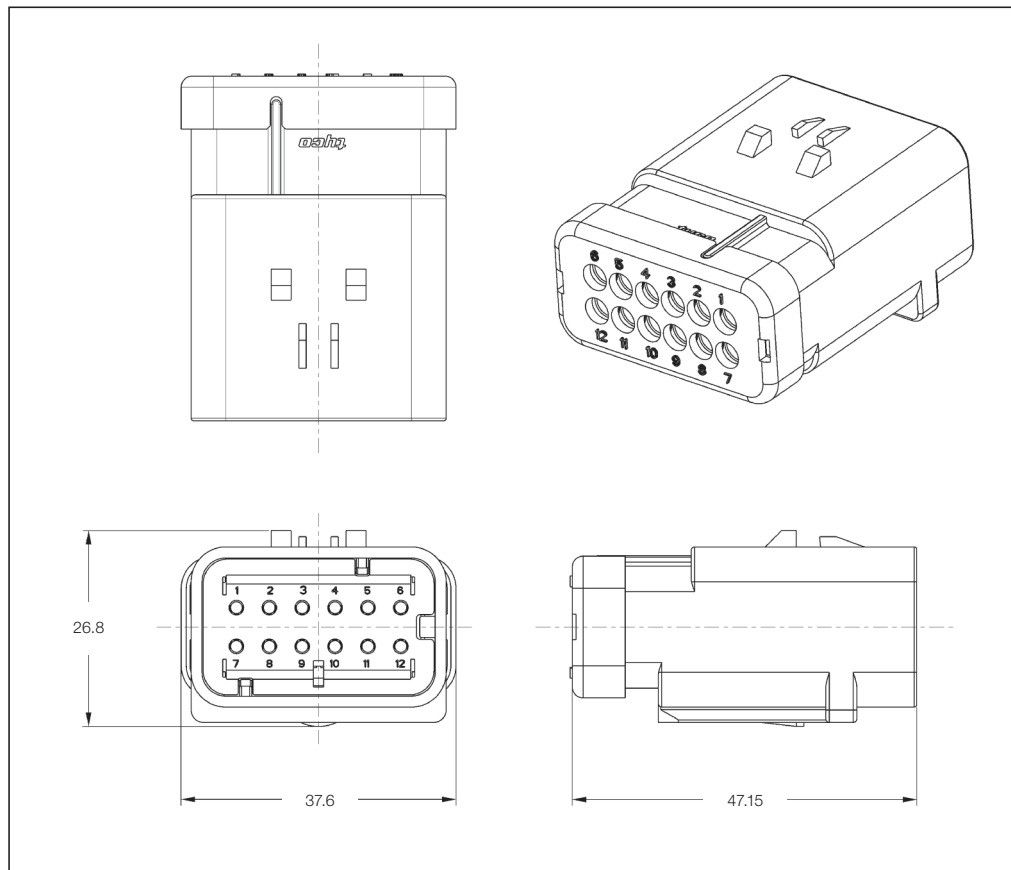
**Housing Material:**  
Glass Reinforced PBT

**Wire Size Range:**  
2.18–3.67 mm  
1.30–2.54 mm  
(with reduced diameter wire seal)

**Product Specification:**  
108-2184

**Application Specification:**  
114-13065

- UL 94-HB rated
- Resistant to a wide range of chemicals
- RoHS and ELV compliant



**Sealed Pin Housings 2-Row – Reversed Mounting Feature**

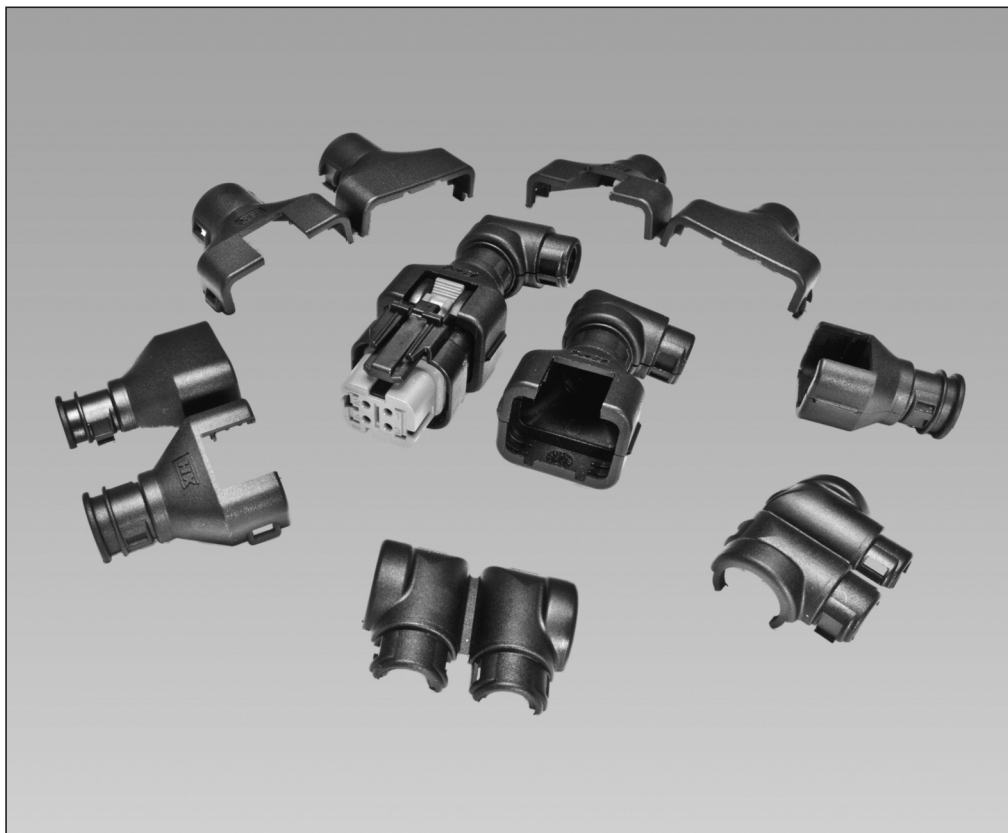
| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 12               | Red       | Key A  | 1717677-1         | 776437-1                         |
|                  | Gray      | Key B  | 1717677-2         | 776437-2                         |
|                  | Yellow    | Key C  | 1717677-3         | 776437-3                         |
|                  | Green     | Key D  | 1717677-4         | 776437-4                         |

**Sealed Pin Housings 2-Row – Reversed Type with Reduced Diameter Wire Seal**

| No. of Positions | PLR Color | Keying | Part Numbers      |                                  |
|------------------|-----------|--------|-------------------|----------------------------------|
|                  |           |        | Pin (Cap) Housing | Mating Receptacle (Plug) Housing |
| 12               | Red       | Key A  | 1717934-1         | 776533-1                         |
|                  | Gray      | Key B  | 1717934-2         | 776533-2                         |
|                  | Yellow    | Key C  | 1717934-3         | 776533-3                         |
|                  | Green     | Key D  | 1717934-4         | 776533-4                         |

Vertical and 90° Backshells

**AMPSEAL 16**  
**Vertical and 90° Backshells**  
**for Commercial Vehicle**  
**Markets**



**Standard Height**

| Description                   | Part Number |
|-------------------------------|-------------|
| 2 Position / 0° Exit / NC 08  | 2035047-1   |
| 3 Position / 0° Exit / NC 08  | 2035047-2   |
| 4 Position / 0° Exit / NC 08  | 2035047-3   |
| 6 Position / 0° Exit / NC 08  | 2035047-4   |
| 4 Position / 0° Exit / NC 12  | 2035047-5   |
| 6 Position / 0° Exit / NC 12  | 2035047-6   |
| 8 Position / 0° Exit / NC 12  | 2035047-7   |
| 12 Position / 0° Exit / NC 12 | 2035047-8   |
| 8 Position / 0° Exit / NC 16  | 2035047-9   |
| 12 Position / 0° Exit / NC 16 | 1-2035047-0 |
| 12 Position / 0° Exit / NC 20 | 1-2035047-1 |
| 2 Position / 90° Exit / NC 08 | 2035048-1   |
| 3 Position / 90° Exit / NC 08 | 2035048-2   |
| 4 Position / 90° Exit / NC 08 | 2035048-3   |
| 2 Position / 90° Exit / NC 12 | 2035048-5   |
| 3 Position / 90° Exit / NC 12 | 2035048-6   |
| 4 Position / 90° Exit / NC 12 | 2035048-7   |

**Note:** All Part Numbers are RoHS and ELV compliant.

**Low Profile**

| Description                   | Type      | Part Number |
|-------------------------------|-----------|-------------|
| 2 Position / 90° Exit / NC 08 | Plug Type | 2035366-1   |
|                               | Cap Type  | 2098436-1   |
| 3 Position / 90° Exit / NC 08 | Plug Type | 2035366-2   |
|                               | Cap Type  | 2098436-2   |
| 4 Position / 90° Exit / NC 08 | Plug Type | 2035366-7   |
|                               | Cap Type  | 2098436-7   |
| 6 Position / 90° Exit / NC 08 | Plug Type | 2035366-8   |
|                               | Cap Type  | 2098436-8   |
| 2 Position / 90° Exit / NC 12 | Plug Type | 2035366-3   |
|                               | Cap Type  | 2098436-3   |
| 3 Position / 90° Exit / NC 12 | Plug Type | 2035366-4   |
|                               | Cap Type  | 2098436-4   |
| 4 Position / 90° Exit / NC 12 | Plug Type | 2035366-9   |
|                               | Cap Type  | 2098436-9   |
| 6 Position / 90° Exit / NC 12 | Plug Type | 1-2035366-0 |
|                               | Cap Type  | 1-2098436-0 |

**Note:** All Part Numbers are RoHS and ELV compliant.

Backshell Matrix

| No. of Positions | Conduit Size | Part Numbers      |              |                 |                          |           |
|------------------|--------------|-------------------|--------------|-----------------|--------------------------|-----------|
|                  |              | Standard Straight | Standard 90° | Low Profile 90° | Mating Connectors        | Type      |
| 2                | NC08 NW7.5   | 2035047-1 *       | 2035048-1 *  | 2035366-1       | 776427-ALL<br>776522-ALL | Plug Assy |
|                  |              |                   |              | 2098436-1       | 776428-ALL<br>776534-ALL | Cap Assy  |
|                  |              |                   |              | 2035366-2       | 776429-ALL<br>776523-ALL | Plug Assy |
| 3                | NC08 NW7.5   | 2035047-2 *       | 2035048-2 *  | 2098436-2       | 776430-ALL<br>776535-ALL | Cap Assy  |
|                  |              |                   |              | 2035366-7       | 776487-ALL<br>776524-ALL | Plug Assy |
|                  |              |                   |              | 2098436-7       | 776488-ALL<br>776536-ALL | Cap Assy  |
| 4                | NC08 NW7.5   | 2035047-3 *       | 2035048-3 *  | 2035366-8       | 776433-ALL<br>776531-ALL | Plug Assy |
|                  |              |                   |              | 2098436-8       | 776434-ALL<br>776537-ALL | Cap Assy  |
|                  |              |                   |              | 2035366-3       | 776427-ALL<br>776522-ALL | Plug Assy |
| 6                | NC08 NW7.5   | 2035047-4 *       | –            | 2098436-3       | 776428-ALL<br>776534-ALL | Cap Assy  |
|                  |              |                   |              | 2035366-4       | 776429-ALL<br>776523-ALL | Plug Assy |
|                  |              |                   |              | 2098436-4       | 776430-ALL<br>776535-ALL | Cap Assy  |
| 2                | NC12 NW10    | –                 | –            | 2035366-9       | 776487-ALL<br>776524-ALL | Plug Assy |
|                  |              |                   |              | 2098436-9       | 776488-ALL<br>776536-ALL | Cap Assy  |
|                  |              |                   |              | 1-2035366-0     | 776433-ALL<br>776531-ALL | Plug Assy |
| 3                | NC12 NW10    | –                 | 2035048-6 *  | 1-2098436-0     | 776434-ALL<br>776537-ALL | Cap Assy  |
|                  |              |                   |              | –               | 776494-ALL<br>776532-ALL | Plug Assy |
|                  |              |                   |              | –               | 776495-ALL<br>776538-ALL | Cap Assy  |
| 4                | NC12 NW10    | 2035047-5 *       | 2035048-7 *  | –               | 776437-ALL<br>776533-ALL | Plug Assy |
|                  |              |                   |              | –               | 776438-ALL<br>776539-ALL | Cap Assy  |
|                  |              |                   |              | –               | –                        | –         |
| 6                | NC12 NW10    | 2035047-6 *       | –            | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |
| 8                | NC12 NW10    | 2035047-7 *       | –            | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |
| 12               | NC12 NW10    | 2035047-8 *       | –            | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |
|                  |              |                   |              | –               | –                        | –         |

**Note:** \*)Backshell available only with latch window. Can be used for Cap Assembly if desired.

Backshell Matrix (continued)

| No. of Positions | Conduit Size | Part Numbers      |              |                 |                   | Type      |
|------------------|--------------|-------------------|--------------|-----------------|-------------------|-----------|
|                  |              | Standard Straight | Standard 90° | Low Profile 90° | Mating Connectors |           |
| 2                | NC16<br>NW13 | –                 | –            | –               | 776427-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776522-ALL        |           |
|                  |              |                   |              | –               | 776428-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776534-ALL        |           |
| 3                | NC16<br>NW13 | –                 | –            | –               | 776429-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776523-ALL        |           |
|                  |              |                   |              | –               | 776430-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776535-ALL        |           |
| 4                | NC16<br>NW13 | –                 | –            | –               | 776487-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776524-ALL        |           |
|                  |              |                   |              | –               | 776488-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776536-ALL        |           |
| 6                | NC16<br>NW13 | –                 | –            | –               | 776433-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776531-ALL        |           |
|                  |              |                   |              | –               | 776434-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776537-ALL        |           |
| 8                | NC16<br>NW13 | 2035047-9*        | –            | –               | 776494-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776532-ALL        |           |
|                  |              |                   |              | –               | 776495-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776538-ALL        |           |
| 12               | NC16<br>NW13 | 1-2035047-0*      | –            | –               | 776437-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776533-ALL        |           |
|                  |              |                   |              | –               | 776438-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776539-ALL        |           |
| 12               | NC20<br>NW17 | 1-2035047-1*      | –            | –               | 776437-ALL        | Plug Assy |
|                  |              |                   |              |                 | 776533-ALL        |           |
|                  |              |                   |              | –               | 776438-ALL        | Cap Assy  |
|                  |              |                   |              |                 | 776539-ALL        |           |

**Note:** \*) Backshell available only with latch window. Can be used for Cap Assembly if desired.

Mounting Clips

**AMPSEAL 16  
Mounting Clips  
for Commercial Vehicle  
Markets**



| Description                                   | Part Number |
|-----------------------------------------------|-------------|
| Mounting Clip with Anti-Rotational Feature    | 1924487-2   |
| Mounting Clip without Anti-Rotational Feature | 1924487-1   |

| Description        | Part Number |
|--------------------|-------------|
| Cavity (Seal) Plug | 776363-1    |
| Cavity (Seal) Plug | 776364-1    |

Please call your local TE Connectivity representative for personal assistance or visit our website.

**Note:** All Part Numbers are RoHS and ELV compliant.

Engineering Notes

A large rectangular area filled with a light gray grid, intended for handwritten engineering notes. The grid consists of small squares, approximately 10x10 units in size, covering the majority of the page below the header and above the footer.