

**Introduction**

**Product Features**

- Keyed / polarized, prevents mis mating
- 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 ( $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  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.

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

**Technical Features**

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

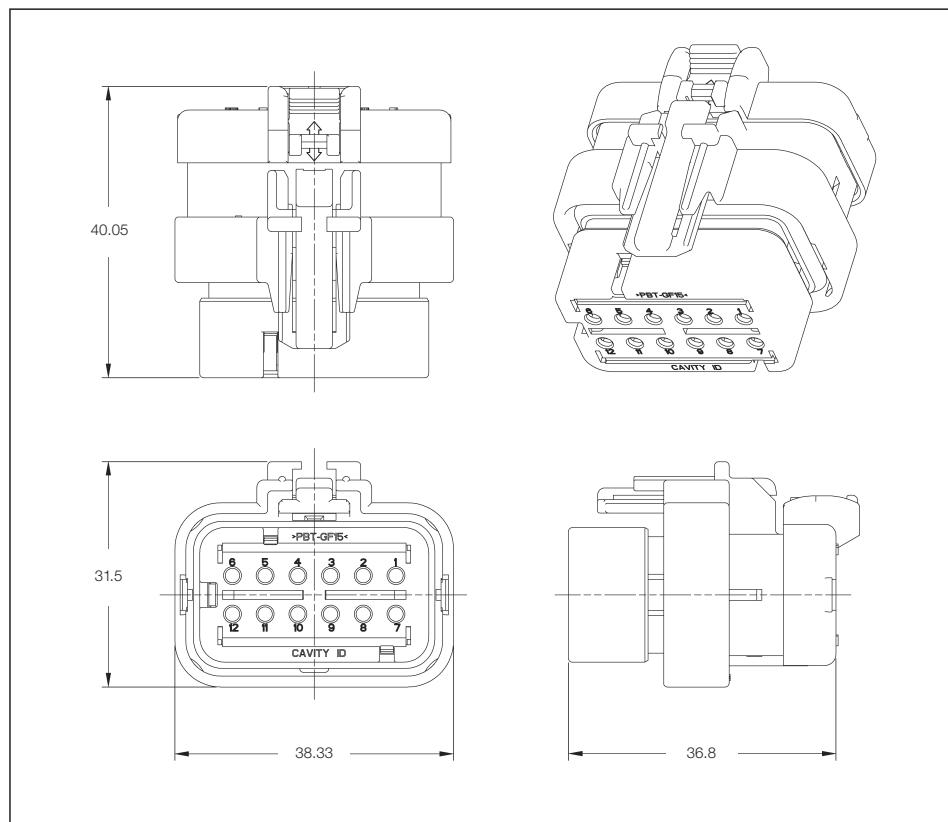
**Housing Material:**  
 Glass Reinforced PBT

**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

## 2-Row Sealed Pin (Cap) Housings

**Technical Features**

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

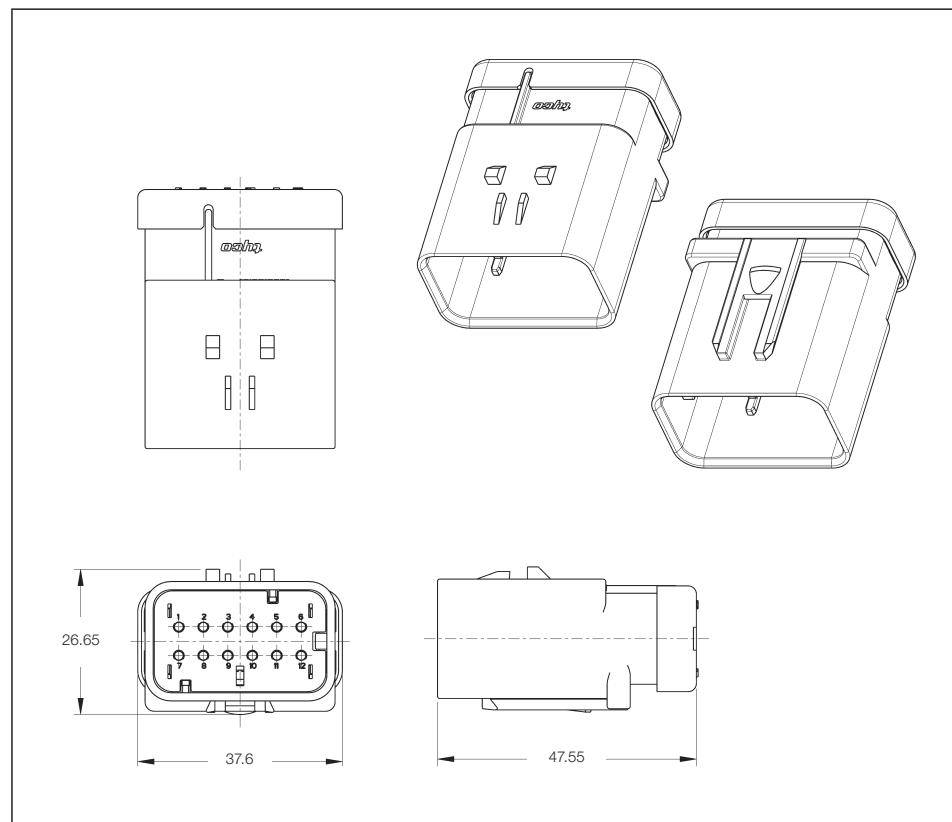
**Housing Material:**  
 Glass Reinforced PBT

**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