



# AMPSEAL 16 MINI LEVER 16 AND 24 POSITION HYBRID CONNECTORS FOR SEALED APPLICATIONS

Industrial & Commercial Transportation

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TE Connectivity's new AMPSEAL 16 mini lever connectors introduce additional flexibility to power and signal bulkhead applications. The IP6K7/IP6K9K rating of this wire-to-wire option provides vital environmental protection for industries operating in harsh environments.

The ergonomic lever lock system ensures ease of assembly, while the integrated Terminal Position Assurance (TPA) and Connector Position Assurance (CPA) protect against accidental unlocking and ensure precise contact position. Essential to correct panel mating are the tool-free, "drop and slide" mounting clips – available in 3 sizes. For wire bundling and corrugated tubing, 90° and 180° wire dress covers can also be purchased alongside the AMPSEAL 16 mini lever connectors.

## STANDARDS AND SPECIFICATIONS

**Product Specifications:**  
108-151063

**Application Specifications:**  
114-151063

## PRODUCT SPECIFICATIONS

**Nominal Voltage Architecture:**  
12V, 24V

**Operating Voltage:**  
550 VDC

**Flame Retardant:**  
UL HB

**Temperature Range:**  
-40°C to 125°C

**Protection Level:**  
IP6K7/IP6K9K

## Key Industries

The innovative AMPSEAL 16 mini lever connectors are an ergonomic, flexible choice for wire-to-wire applications, operating in harsh environments. Key industries include truck, bus, construction, agriculture, lift-truck, marine, factory automation, and industrial vehicles. The AMPSEAL 16 mini lever connectors can also be adapted for alternate industries that require environmental protection.



Bus



Speciality  
Vehicles



Heavy Duty  
Truck



Lift Truck



Marine



Industrial



Agriculture



Construction



Recreational



Power Sports

## Design Feature



## Key Benefits

- Offer sealed, hybrid power and signal connections with 16P and 24P options for bulkhead and pass-through applications.
- Ensure ease of assembly with ergonomic lever lock mating system.
- Improve terminal retention and ensure proper position with standard Terminal Position Assurance (TPA), and protect against accidental unlocking with Connector Position Assurance (CPA).
- Help reduce application costs and assembly time with tool-less mounting design and “drop and slide” mounting clips.
- Utilize proven DEUTSCH stamped & formed size 12 and 20 pin and socket terminals and AMPSEAL 16 heavy duty stamped & formed (HDSF) size 16 pin and socket terminals. Mil Standard C-39029 approved.
- Protect against water and dust with IP6K7/IP6K9K protection level.
- Enable design flexibility with wire dress cover options of 90° and 180°- for wire bundling and corrugated tubing needs.



AMPSEAL 16 MINI LEVER PART NUMBERS

16P			
PART NUMBER	PART DESCRIPTION	PICTURE	REMARK
2203859-1	Plug Assembly, ML Conn, Key A, 16P		
2272889-1	CAP Assembly, ML Conn, Key A, 16P		<b>16 Way</b> 12-Size 16 4-Size 12
2203859-2	Plug Assembly, ML Conn, Key B, 16P		
2272889-2	CAP Assembly, ML Conn, Key B, 16P		

24P			
PART NUMBER	PART DESCRIPTION	PICTURE	REMARK
2203859-4	Plug Assembly, ML Conn, Key D, 24P		<b>24 Way</b> 20-Size 20 4-Size 12
2272889-4	CAP Assembly, ML Conn, Key D, 24P		

ACCESSORIES

ACCESSORY PART NUMBERS		
PART NUMBER	DESCRIPTION	PICTURE
2203876-1	Mounting Clip, ML Conn, 5mm Panel	
2203876-2	Mounting Clip, ML Conn, 4mm Panel	
2203876-3	Mounting Clip, ML Conn, 3mm Panel	
2203956-1 (Smooth)	Plug/Cap Wire Dress/Cover (Backshell)	
2272307-1 (Smooth)	90 Deg Elbow	

## TERMINALS

TERMINAL PART NUMBERS			
PART NUMBER	SIZE	TYPE	PLATING
1060-12-0166	12	Pin	Nickel
1060-12-0144	12	Pin	Gold
1062-12-0166	12	Socket	Nickel
1062-12-0144	12	Socket	Gold
1924463-1	16	Pin	Gold
1924463-3	16	Pin	Nickel
1924579-1	16	Pin	Gold
1924579-3	16	Pin	Nickel
1924464-1	16	Socket	Gold
1924464-2	16	Socket	Nickel
1924580-1	16	Socket	Gold
1924580-2	16	Socket	Nickel
1060-20-0122	20	Pin	Nickel
1060-20-0144	20	Pin	Gold
1062-20-0122	20	Socket	Nickel
1062-20-0144	20	Socket	Gold

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## TE Connectivity

4849 Hempstead Station Drive  
Kettering, OH 45429  
USA

[www.te.com](http://www.te.com)