

SlimLine Connection Systems

Description

Delphi's SlimLine connection systems are designed for applications that require close (3.5 mm) centerlines. The SlimLine was designed as a drop-in replacement for pull-to-seat connections, or connections where cable is pulled through the connector, terminated, and pulled back to seat the terminal. SlimLine provides the small package size of pull-to-seat connections, as well as the simplified manufacturing process and reduced repair and service costs of push-to-seat connections.

Typical Applications

Typical applications of SlimLine technology are in the automotive, transportation and commercial vehicle markets.

SlimLine connection systems are engineered for use in a wide variety of rugged vehicle in-line and device applications including Delphi's INTELLEK® sensors.

Delphi's slim design also provides flexibility for use in tight spaces where other connection systems would not be able to meet stringent OEM space requirements.

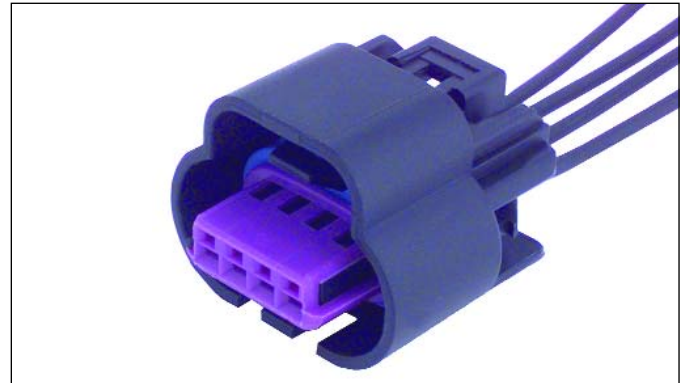
Custom designs can be provided to best meet our customers' unique needs.

Performance Advantages

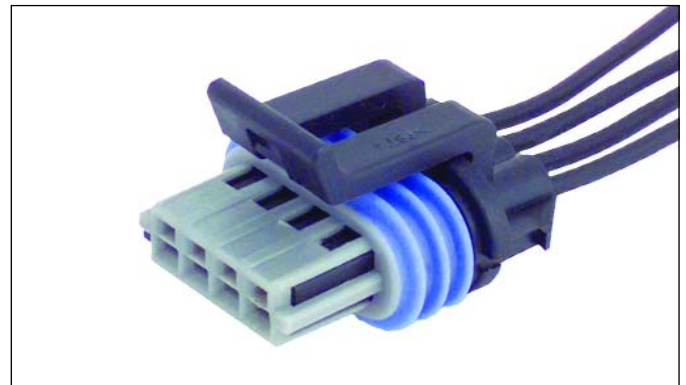
Delphi's SlimLines offer one of the broadest portfolios of off-the-shelf 3.5 mm centerline push-to-seat connectors in the industry.

Value is provided with the following:

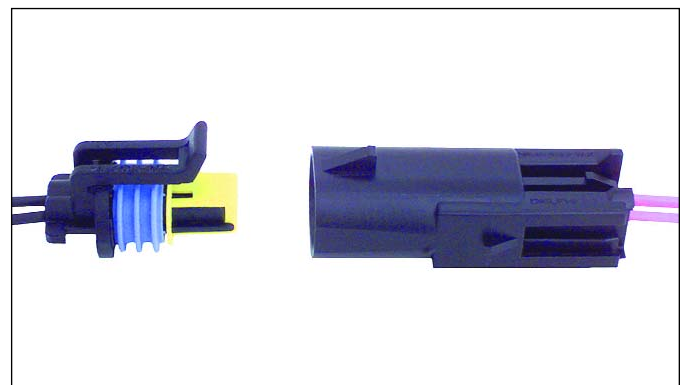
- Conforms to USCAR design footprint
- Small package size
- Push-to-seat manufacturability
- Pull-to-seat centerline spacing
- Compatible with existing systems
- Years of proven performance



Shrouded



Unshrouded



In-line

SlimLine Connection Systems

Application Guidelines

Cable Range	0.35 - 1.0 mm ² *
Current Range	0-15 amps
Temperature Range	-40°C to +125°C
Dry Circuit Resistance	<10mΩ@20mV
Voltage Drop	<10.0mV/amp
Centerline Spacing	3.5 mm
Blade Width	1.5 mm

**Accommodates 0.80 mm² SAE Ultra Thin Wall Cable
Accommodates 1.00 mm² European Ultra Thin Wall Cable*

Features	Benefits
<ul style="list-style-type: none"> • Push-to-seat terminals 	<ul style="list-style-type: none"> • Simplifies the manufacturing process • Decreases labor
<ul style="list-style-type: none"> • Conforms to USCAR design footprint 	<ul style="list-style-type: none"> • Provides broad application flexibility
<ul style="list-style-type: none"> • Mates to ISO and SAE blades 	<ul style="list-style-type: none"> • Compatible with existing systems
<ul style="list-style-type: none"> • Terminal position assurance (TPA) and connector position assurance (CPA) capabilities 	<ul style="list-style-type: none"> • Improved system design • Superior connection reliability • Helps prevent terminal back out
<ul style="list-style-type: none"> • Tangless terminals 	<ul style="list-style-type: none"> • Durable design
<ul style="list-style-type: none"> • Improved serviceability over pull-to-seat connections 	<ul style="list-style-type: none"> • Reduces repair and service costs

DELPHI

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