

# AT|Series™



# AT Series™

## Overview

AT Series™ connectors are a high-performance, cost effective solution able to be used in a variety of interconnect applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural. They contain superior environmental seals and seal retention capabilities.

The connector design incorporates an integral latching system that ensures a definitive electrical and mechanical connection. Connector housings are manufactured with a thermoplastic material that is not only durable, but has excellent UV resistance, dielectric/mechanical properties and environmentally RoHS compliant. The sealing system is comprised of a front and rear silicone, multi-sealing perimeter against environmental ingress. Contacts are derived from quality copper alloy to ensure an electrically-reliable connection.

AT Series™ connectors are compatible with other existing standard products industry-wide.



## Features & Benefits

Current Capacity	Size 16, 13A (max)
Wire Range	Size 16 contacts will accept wire ranges of 14 thru 20AWG
Temperature	Operating temperature range: -55°C to +125°C at rated current
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Terminal Retention	When subjected to a direct pull, contacts achieve a minimum pull-out force of 25 lbs.
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident

# AT Series™

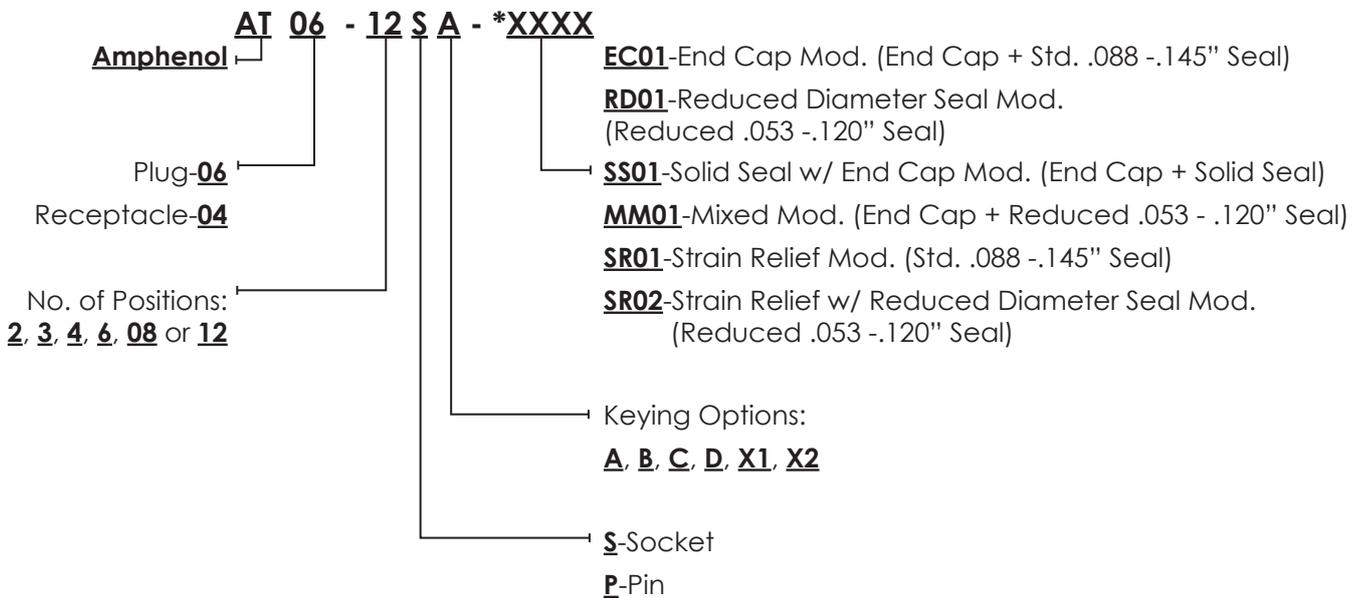
## Features & Benefits, cont.

Contact Millivolt Drop	Size 16 contacts with 16AWG conductor - 100 mV drop max at 13A test current
Water Immersion	A mated connection, properly wired, placed in an oven at +125°C for 1 hour, then placed immediately in a depth of water of 1 meter for 4 hours without loss of electronic performance

## Product Material

Housings	Thermoplastic
Seals	Silicone Elastomer
Secondary Locks	Thermoplastic
Contacts	Copper Alloy, Nickel Plated, Gold optional

## AT Series™ Part Numbering Sequence



## Plug & Receptacle Body Color Modification

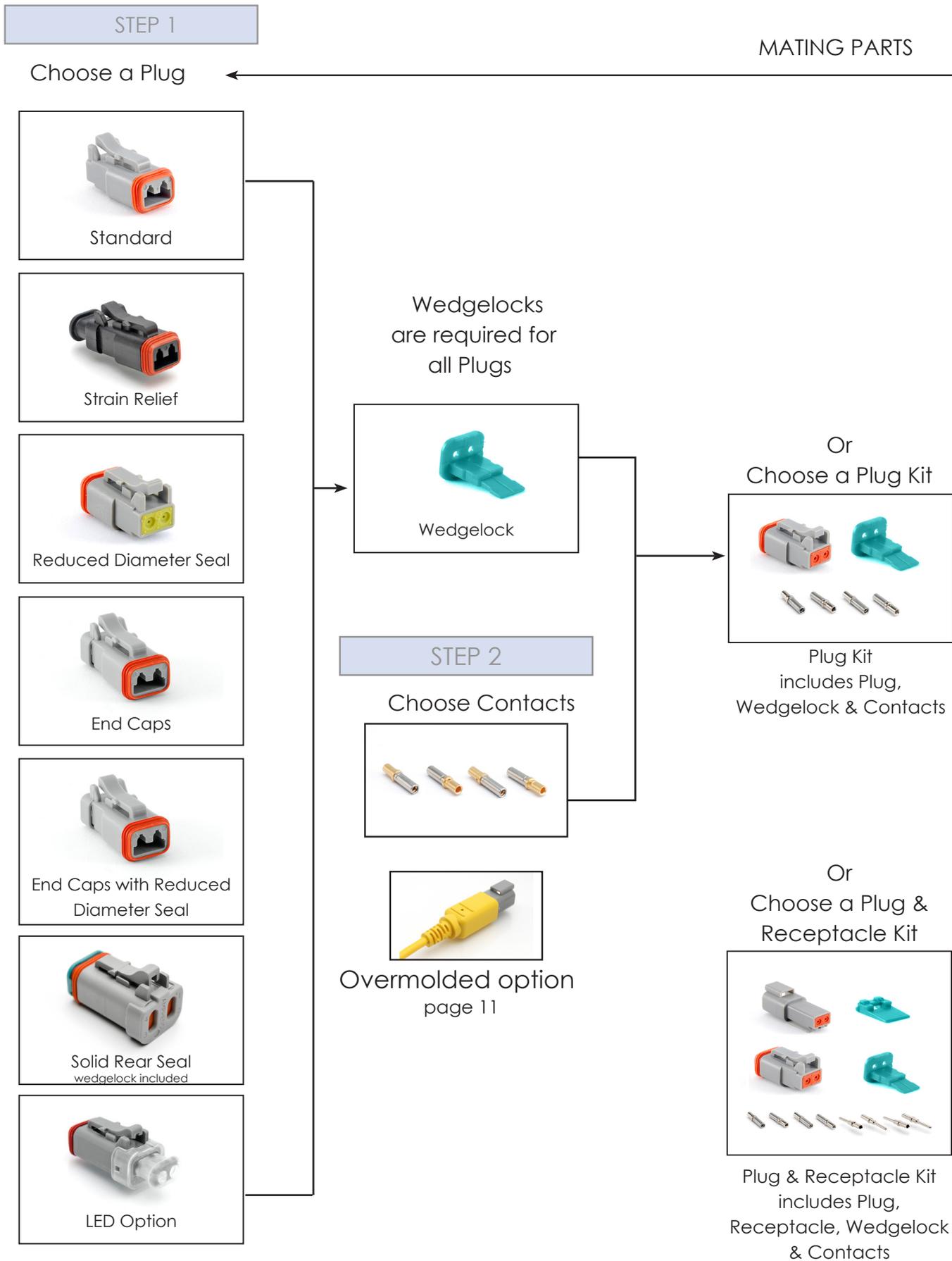
A wide range of standard color options are available for all A Series™ product lines. 8 and 12 position plugs and receptacles require special order. For more information, please contact a Sales Representative.

Color	Modification Number	Color	Modification Number
Black	XXXX-XXXX- <b>BLK</b>	Yellow	XXXX-XXXX- <b>YEL</b>
White	XXXX-XXXX- <b>WHT</b>	Green	XXXX-XXXX- <b>GRN</b>
Brown	XXXX-XXXX- <b>BRN</b>	Blue	XXXX-XXXX- <b>BLU</b>
Grey	XXXX-XXXX- <b>GRY</b>	Red	XXXX-XXXX- <b>RED</b>



**NOTE:** The above modifications (-XXXX) are only a sampling of the options available to our customers. For more information, please contact your Sales Representative.

# AT Series™ Connector Configurations



## Need a complete Cable Assembly?

See page 11 or contact the factory for assistance

Toll Free: 1-800-394-7732

### STEP 3

Choose a Receptacle

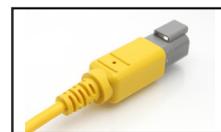


Wedgelocks are required for all Receptacles



### STEP 4

Choose Contacts



Overmolded option  
page 11

Or  
Choose a  
Receptacle Kit

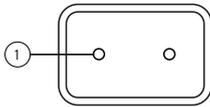


Receptacle Kit  
includes Receptacle,  
Wedgelock & Contacts

Optional  
Protective Covers



**AT**  
**2 POSITIONS**  
**13A**



**AT SERIES STANDARD  
PLUGS, RECEPTACLES & WEDGELOCKS**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedglock	Part Number	Description
	AT06-2S	Plug, 2-Way		AW2S	Wedglock Plug, 2-Way
	AT06-2S-KIT01	2 Socket Plug, Wedge and Contacts Kit			

Receptacle	Part Number	Description	Wedglock	Part Number	Description
	AT04-2P	Receptacle, 2-Way		AW2P	Wedglock Receptacle, 2-Way
	AT04-2P-KIT01	2 Pin Receptacle, Wedge and Contacts Kit			

Plug & Receptacle Kit	Part Number	Description
	AT2PS-CKIT	2-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

**NOTE:** Wedglocks are required for all plugs.

**Other Available Options:**

- Strain Relief Series see page 56
- Reduced Diameter Seal: see page 58
- Endcaps: see page 62
- Endcaps + Reduced Diameter Seal: see page 64
- Protective Cover: see page 70
- LED: see page 68
- Terminating Resistors and Diodes: see page 73
- Additional Colors: see page 43
- Contacts sold separately on page 83
- Tools on page 85

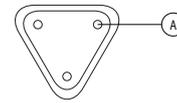


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



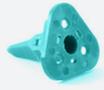
AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

# AT SERIES STANDARD PLUGS, RECEPTACLES & WEDGELOCKS



**AT**  
**3 POSITIONS**  
**13A**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedglock	Part Number	Description
	AT06-3S	Plug, 3-Way		AW3S	Wedglock Plug, 3-Way
	AT06-3S-KIT01	3 Socket Plug, Wedge and Contacts Kit			

Receptacle	Part Number	Description	Wedglock	Part Number	Description
	AT04-3P	Receptacle, 3-Way		AW3P	Wedglock Receptacle, 3-Way
	AT04-3P-KIT01	3 Pin Receptacle, Wedge and Contacts Kit			

Plug & Receptacle Kit	Part Number	Description
	AT3PS-CKIT	3-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

**NOTE:** Wedglocks are required for all receptacles.

## Other Available Options:

- Strain Relief Series see page 56
- Reduced Diameter Seal: see page 58
- Endcaps: see page 62
- Endcaps + Reduced Diameter Seal: see page 64
- Solid Rear Seal: see page 66
- Protective Covers: see page 70
- Terminating Resistor: see page 73
- J-1939 Modifications: see page 71
- Additional Colors: see page 43
- Contacts on page 83
- Tools on page 85

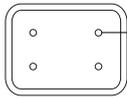


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

**AT**  
**4 POSITIONS**  
**13A**



**AT SERIES STANDARD  
PLUGS, RECEPTACLES & WEDGELOCKS**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedgelock	Part Number	Description
	AT06-4S	Plug, 4-Way		AW4S	Wedgelock Plug, 4-Way
	AT06-4S-KIT01	4 Socket Plug, Wedge and Contacts Kit			

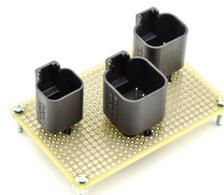
Receptacle	Part Number	Description	Wedgelock	Part Number	Description
	AT04-4P	Receptacle, 4-Way		AW4P	Wedgelock Receptacle, 4-Way
	AT04-4P-KIT01	4 Pin Receptacle, Wedge and Contacts Kit			

Plug & Receptacle Kit	Part Number	Description
	AT4PS-CKIT	4-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

**NOTE:** Wedgelocks are required for all plugs.

**Other Available Options:**

- Strain Relief Series see page 56
- Reduced Diameter Seal: see page 58
- Endcaps: see page 62
- Endcaps + Reduced Diameter Seal: see page 64
- Solid Rear Seal: see page 66
- Protective Cover: see page 70
- Additional Colors: see page 43
- Contacts sold separately on page 83
- Tools on page 85

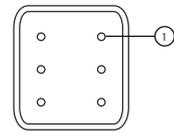


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

# AT SERIES STANDARD PLUGS, RECEPTACLES & WEDGELOCKS



**AT**  
**6 POSITIONS**  
**13A**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedglock	Part Number	Description
	AT06-6S	Plug, 6-Way		AW6S	Wedglock Plug, 6-Way
	AT06-6S-KIT01	6 Socket Plug, Wedge and Contacts Kit			

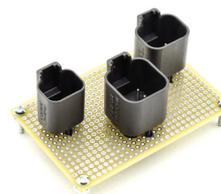
Receptacle	Part Number	Description	Wedglock	Part Number	Description
	AT04-6P	Receptacle, 6-Way		AW6P	Wedglock Receptacle, 6-Way
	AT04-6P-KIT01	6 Pin Receptacle, Wedge and Contacts Kit			

Plug & Receptacle Kit	Part Number	Description
	AT6PS-CKIT	6-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

**NOTE:** Wedglocks are required for all receptacles.

## Other Available Options:

- Strain Relief Series see page 57
- Reduced Diameter Seal: see page 58
- Endcaps: see page 63
- Endcaps + Reduced Diameter Seal: see page 65
- Solid Rear Seal: see page 66
- Protective Covers: see page 70
- Additional Colors: see page 43
- Adapter 6 Pin to RJ45: see page 72
- Contacts on page 83
- Tools on page 85

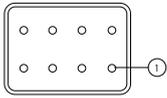


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

**AT**  
**8 POSITIONS**  
**13A**



**AT SERIES STANDARD  
PLUGS, RECEPTACLES & WEDGELOCKS**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedgelock	Part Number	Description
	AT06-08SA	Plug, 8-Way A Position*		AW8S	Wedgelock Plug, 8-Way
	AT06-08SA-KIT01	8 Socket Plug, Wedge and Contacts Kit			

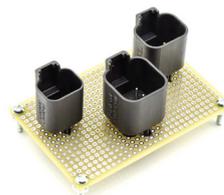
Receptacle	Part Number	Description	Wedgelock	Part Number	Description
	AT04-08PA	Receptacle, 8-Way A Position*		AW8P	Wedgelock Receptacle, 8-Way
	AT04-08PA-KIT01	8 Pin Receptacle, Wedge and Contacts Kit			

Plug & Receptacle Kit	Part Number	Description
	AT8PS-CKIT	8-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

\*Alternate keying positions available (B,C,D) see page 51

**Other Available Options:**

- Strain Relief Series see page 56
- Reduced Diameter Seal: see page 58
- Endcaps: see page 62
- Endcaps + Reduced Diameter Seal: see page 64
- Solid Rear Seal: see page 66
- Protective Cover: see page 70
- Additional Colors: see page 43
- Contacts sold separately on page 83
- Tools on page 85

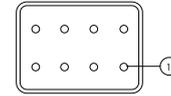


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

# AT SERIES 8-WAY B,C,D POSITION KEY PLUGS, RECEPTACLES & WEDGELOCKS



**AT**  
**8 POSITIONS-**  
**B,C,D**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

## STANDARD CONNECTORS

Plug	Part Number	Description
	AT06-08SB	Plug, 8-Way, B Position, Black
	AT06-08SC	Plug, 8-Way, C Position, Green
	AT06-08SD	Plug, 8-Way, D Position, Brown

Wedglock Part Number

AW8S

Receptacle	Part Number	Description
	AT04-08PB	Receptacle, 8-Way, B Position, Black
	AT04-08PC	Receptacle, 8-Way, C Position, Green
	AT04-08PD	Receptacle, 8-Way, D Position, Brown

Wedglock Part Number

AW8P

**Other Available Options:**  
Reduced Diameter Seal page 58  
Contacts on page 83  
Tools on page 85

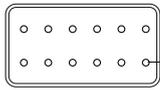


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

**AT**  
**12 POSITIONS**  
**13A**



**AT SERIES STANDARD  
PLUGS, RECEPTACLES & WEDGELOCKS**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

Plug	Part Number	Description	Wedglock	Part Number	Description
	AT06-12SA	Plug, 12-Way A Position*		AW12S	Wedglock Plug, 12-Way
	AT06-12SA-KIT01	12 Socket Plug, Wedge and Contacts Kit			

Receptacle	Part Number	Description	Wedglock	Part Number	Description
	AT04-12PA	Receptacle, 12-Way A Position*		AW12P	Wedglock Receptacle, 12-Way
	AT04-12PA-KIT01	12 Pin Receptacle, Wedge and Contacts Kit			

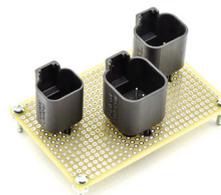
Plug & Receptacle Kit	Part Number	Description
	AT12PS-CKIT	12-Way Pin and Socket Plug, Receptacle, Wedge and Contacts Kit

\*Alternate keying positions available (B,C,D) see page 53

**NOTE:** Wedglocks are required for all receptacles.

**Other Available Options:**

- Strain Relief Series see page 57
- Reduced Diameter Seal: see page 58
- Endcaps: see page 63
- Endcaps + Reduced Diameter Seal: see page 65
- Solid Rear Seal: see page 66
- Protective Covers: see page 70
- Additional Colors: see page 43
- Adapter 12 Pin to RJ45: see page 72
- Contacts on page 83
- Tools on page 85

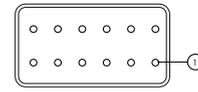


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

# AT SERIES 12-WAY B,C, D, X POSITION KEY PLUGS, RECEPTACLES & WEDGELOCKS



**AT**  
**12 POSITIONS-**  
**B,C,D,X**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

## STANDARD CONNECTORS

Plug	Part Number	Description	WedgeLock Part Number
	AT06-12SB	12-Way Plug, Female Connector with B Position Key, Black	 AW12S
	AT06-12SC	12-Way Plug, Female Connector with C Position Key, Green	
	AT06-12SD	12-Way Plug, Female Connector with D Position Key, Brown	
	AT06-12SX1	12-Way Plug, Female Connector, X1 Position Key	
	AT06-12SX2	12-Way Plug, Female Connector, X2 Position Key	

Receptacle	Part Number	Description	WedgeLock Part Number
	AT04-12PB	12-Way Receptacle, Male Connector with B Position Key and Extended Shroud, Black	 AW12P
	AT04-12PC	12-Way Receptacle, Male Connector with C Position Key and Extended Shroud, Green	
	AT04-12PD	12-Way Receptacle, Male Connector with D Position Key, Extended Shroud, Brown	

### Other Available Options:

Reduced Diameter Seal: see page 58  
Contacts on page 83  
Tools on page 85

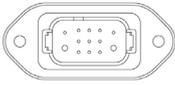


AT BOARD | LOCK  
FLANGELESS WIRE TO  
BOARD CONNECTORS  
see page 77



AT PANEL | MATE  
FLANGE MOUNT HARSH  
ENVIRONMENT CONNECTORS  
see page 81

**AT**  
**13 POSITIONS**  
**13A, 25A**



**AT SERIES 13-WAY STANDARD  
 PLUGS & RECEPTACLES**

Contact Size	<b>16 &amp; 12</b>
Wire Range (AWG)	14-20 AWG/ 10-14 AWG
Amperage	13, 25

**MIXED CONNECTORS - POWER & SIGNAL**

Plug	Part Number	Description
	AT1612-13SB	13-Way Plug, Female Connector with B Position Key, Black (Wedglock not required)

Receptacle	Part Number	Description
	AT1612-13PB	13-Way Receptacle, Male Connector with B Position Key, No Gasket, Black (Wedglock not required)
	AT1612-13PB-G	13-Way Receptacle, Pin, Panel Mount, Self-Threading, Standard Seal, Cap, Keyed B. (Wedglock not required)
	AT1612-13PBNF13	13-Way 90° Receptacle, Pin, Keyed B, PCB Mount (Wedglock not required, contacts included)

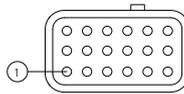
**REDUCED DIAMETER SEAL (.053" - .120")**

Plug	Part Number	Description
	AT1612-13SB-RD	13-Way Plug, Female Connector with B Position Key and Reduced Diameter Seal (E-Seal), Black (Wedglock not required)

Receptacle	Part Number	Description
	AT1612-13PB-RD	13-Way Panel Mount Receptacle, Key Position B, No Gasket, Reduced Diameter Seal (E-Seal). Black. (Wedglock not required)
	AT1612-13PB-RDG	13-Way, Flange Mount Receptacle, Gasket, Reduced Diameter Seal (E-Seal), Black. (Wedglock not required)

Contacts on pages 83,101  
 Tools on page 85  
 Gasket on page 84

# AT SERIES 18-WAY STANDARD PLUG



**AT**  
**18 POSITIONS**  
**13A**

Contact Size	<b>16</b>
Wire Range (AWG)	14-20 AWG
Amperage	13

## STANDARD CONNECTORS

Plug	Part Number	Description
	AT16-18SB-K004	18-Way Plug with Wedgelock and End Cap Included

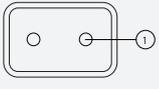
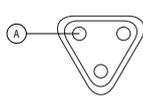
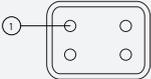
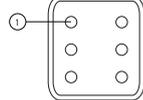
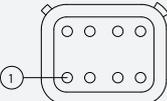
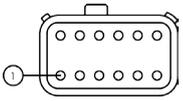
Contacts on page 83  
Tools on page 85

**AT SERIES PLUG**  
**STRAIN RELIEF SERIES**

The AT Strain Relief Series' specifically designed wire cavities protect each individual wire seal, eliminating stress on the rear seal, maintaining IP67 sealing performance regardless of wire bundle direction or improper installation. It is a cost-effective and highly-reliable solution for wire routing, strain relief and sealing issues common in Heavy Duty applications. It ensures a complete environmental seal and necessary strain relief on the production line and in the field.

**AT-SR01** has Standard Seals (.088 - .145")

**AT-SR02** has Reduced Diameter Seals (.053 - .120" seals)

Plug	Face View	Part Number	Description	Wedglock Part Number
		AT06-2S-SR01BLK	Plug, 2-Way, Standard Seal	 AW2S
		AT06-2S-SR02BLK	Plug, 2-Way, Reduced Seal .053-.120"	
		AT06-3S-SR01BLK	Plug, 3-Way, Standard Seal	 AW3S
		AT06-3S-SR02BLK	Plug, 3-Way, Reduced Seal .053-.120"	
		AT06-4S-SR01BLK	Plug, 4-Way, Standard Seal	 AW4S
		AT06-4S-SR02BLK	Plug, 4-Way, Reduced Seal .053-.120"	
		AT06-6S-SR01BLK	Plug, 6-Way, Standard Seal	 AW6S
		AT06-6S-SR02BLK	Plug, 6-Way, Reduced Seal .053-.120"	
		AT06-08SA-SRGRY	Plug, 8-Way, Position A, Standard Seal	 AW8S
		AT06-08SA-SR2GY	Plug, 8-Way, Pos. A, Reduced Seal .053-.120"	
		AT06-12SA-SRGRY	Plug, 12-Way, Pos. A, Standard Seal	 AW12S
		AT06-12SA-SR2GY	Plug, 12-Way, Pos. A, Reduced Seal .053-.120"	



Color options pertain to connector body only. (see page 43 for options.)

**NOTE:** Wedglocks are required for all plugs.

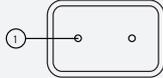
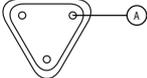
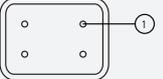
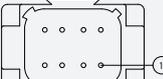
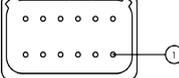
# AT SERIES RECEPTACLE STRAIN RELIEF SERIES

## AT STRAIN RELIEF 13A

The AT Strain Relief Series' specifically designed wire cavities protect each individual wire seal, eliminating stress on the rear seal, maintaining IP67 sealing performance regardless of wire bundle direction or improper installation. It is a cost-effective and highly-reliable solution for wire routing, strain relief and sealing issues common in Heavy Duty applications. It ensures a complete environmental seal and necessary strain relief on the production line and in the field.

**AT-SR01** has Standard Seals (.088 - .145")

**AT-SR02** has Reduced Diameter Seals (.053 - .120" seals)

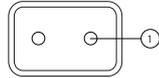
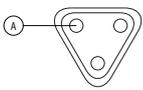
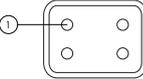
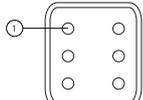
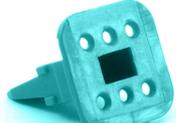
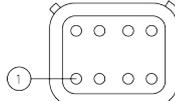
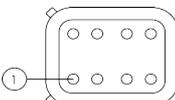
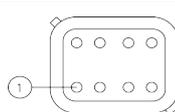
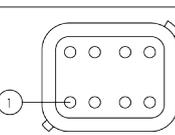
Receptacle	Face View	Part Number	Description	Wedglock Part Number
		AT04-2P-SR01BLK	Receptacle 2-Way, Standard Seal	 AW2P
		AT04-2P-SR02BLK	Receptacle 2-Way, Reduced Seal .053-.120	
		AT04-3P-SR01BLK	Receptacle 3-Way, Standard Seal	 AW3P
		AT04-3P-SR02BLK	Receptacle 3-Way, Reduced Seal .053-.120	
		AT04-4P-SR01BLK	Receptacle 4-Way, Standard Seal	 AW4P
		AT04-4P-SR02BLK	Receptacle 4-Way, Reduced Seal .053-.120	
		AT04-6P-SR01BLK	Receptacle 6-Way, Standard Seal	 AW6P
		AT04-6P-SR02BLK	Receptacle 6-Way, Reduced Seal .053-.120	
		AT04-08PA-SRGRY	Receptacle 8-Way, Pos. A, Standard Seal	 AW8P
		AT04-08PA-SR2GY	Receptacle 8-Way, Pos. A, Reduced Seal .053-.120	
		AT04-12PA-SRGRY	Receptacle 12-Way, Pos. A, Standard Seal	 AW12P
		AT04-12PA-SR2GY	Receptacle 12-Way, Pos. A, Reduced Seal .053-.120	



Color options pertain to connector body only. (see page 43 for options.)

**NOTE:** Wedglocks are required for all receptacles.

Reduced Diameter Seals (.053 - .120" seals)

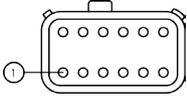
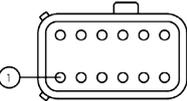
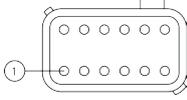
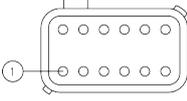
Plug	Face View	Part Number	Description	Wedglock Part Number
		AT06-2S-RD01	2-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal)	 AW2S
		AT06-2S-RD01BLK	2-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal)	
		AT06-3S-RD01	3-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal)	 AW3S
		AT06-3S-RD01BLK	3-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal)	
		AT06-4S-RD01	4-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal)	 AW4S
		AT06-4S-RD01BLK	4-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal)	
		AT06-6S-RD01	6-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal)	 AW6S
		AT06-6S-RD01BLK	6-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal)	
		AT06-08SA-RD01	8-Way Plug, Female Connector with A Position Key, Reduced Diameter Seals (E-Seal)	 AW8S
		AT06-08SB-RD01	8-Way Plug, Female Connector with B Position Key and Reduced Diameter Seal (E-Seal), Black	
		AT06-08SC-RD01	8-Way Plug, Female Connector with C Position Key and Reduced Diameter Seal (E-Seal), Green	
		AT06-08SD-RD01	8-Way Plug, Female Connector with D Position Key and Reduced Diameter Seal (E-Seal), Brown	

**NOTE:** Wedglocks are required for all plugs.

# AT SERIES PLUG REDUCED DIAMETER SEAL PLUGS

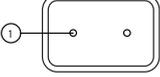
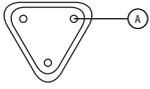
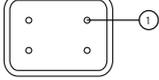
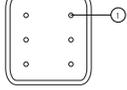
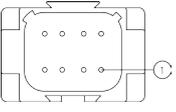
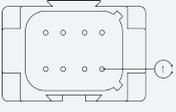
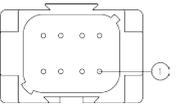
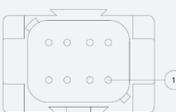
**AT**  
**REDUCED DIA. SEALS**  
**13A**

## Reduced Diameter Seals (.053 - .120" seals)

Plug	Face View	Part Number	Description	Wedgeloock Part Number
		AT06-12SA-RD01	12-Way Plug, Female Connector with A Position Key and Reduced Diameter Seal (E-Seal)	 AW12S
		AT06-12SB-RD01	12-Way Plug, Female Connector with B Position Key and Reduced Diameter Seal (E-Seal), Black	
		AT06-12SC-RD01	12-Way Plug, Female Connector with C Position Key and Reduced Diameter Seal (E-Seal), Green	
		AT06-12SD-RD01	12-Way Plug, Female Connector with D Position Key and Reduced Diameter Seal (E-Seal), Brown	

CONNECTOR SOLUTIONS

Reduced Diameter Seals (.053 - .120" seals)

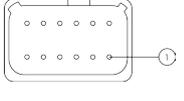
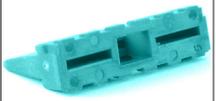
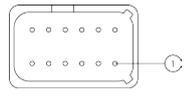
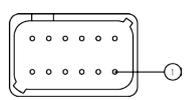
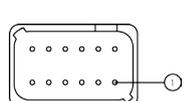
Receptacle	Face View	Part Number	Description	Wedglock Part Number
		AT04-2P-RD01	2-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal)	 AW2P
		AT04-2P-RD01BLK	2-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal)	
		AT04-3P-RD01	3-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal)	 AW3P
		AT04-3P-RD01BLK	3-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal)	
		AT04-4P-RD01	4-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal)	 AW4P
		AT04-4P-RD01BLK	4-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal)	
		AT04-6P-RD01	6-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal)	 AW6P
		AT04-6P-RD01BLK	6-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal)	
		AT04-08PA-RD01	8-Way Receptacle, Male Connector with A Position Key, Reduced Diameter Seal (E-Seal)	 AW8P
		AT04-08PB-RD01	8-Way Receptacle, Male Connector with B Position Key and Reduced Diameter Seal (E-Seal). Black	
		AT04-08PC-RD01	8-Way Receptacle, Male Connector with C Position Key and Reduced Diameter Seal (E-Seal), Green	
		AT04-08PD-RD01	8-Way Receptacle, Male Connector with D Position Key and Reduced Diameter Seal (E-Seal), Brown	

**NOTE:** Wedglocks are required for all receptacles

# AT SERIES RECEPTACLE REDUCED DIAMETER SEAL

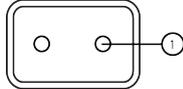
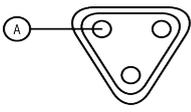
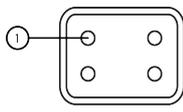
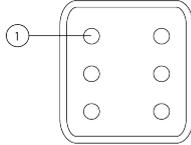
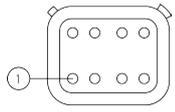
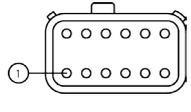
**AT**  
**REDUCED DIA. SEALS**  
**13A**

Reduced Diameter Seals (.053 - .120" seals)

Receptacle	Face View	Part Number	Description	Wedglock Part Number
		AT04-12PA-RD01	12-Way Receptacle, Male Connector with A Position Key and Extended Shroud, Reduced Diameter Seal (E-Seal)	 AW12P
		AT04-12PB-RD01	12-Way Receptacle, Male Connector with B Position Key and Reduced Diameter Seal (E-Seal). Black	
		AT04-12PC-RD01	12-Way Receptacle, Male Connector with C Position Key and Extended Shroud, Reduced Diameter Seal (E-Seal), Green	
		AT04-12PD-RD01	12-Way Receptacle, Male Connector with D Position Key and Reduced Diameter Seal (E-Seal), Brown	

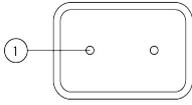
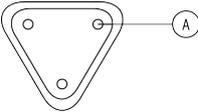
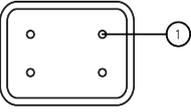
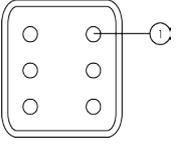
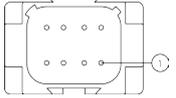
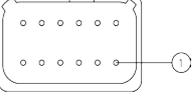
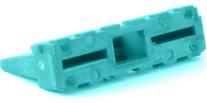
CONNECTOR SOLUTIONS

Modifications: Endcap over standard rear seal (.088 - .145")

Plug	Faceview	Part Number	Description	Wedglock Part Number
		AT06-2S-EC01	2-Way Plug, Female Connector with End Cap	 AW2S
		AT06-2S-EC01BLK	2-Way Plug, Black Female Connector with End Cap, Black	
		AT06-3S-EC01	3-Way Plug, Female Connector with End Cap	 AW3S
		AT06-3S-EC01BLK	3-Way Plug, Black Female Connector with End Cap, Black	
		AT06-4S-EC01	4-Way Plug, Female Connector with End Cap	 AW4S
		AT06-4S-EC01BLK	4-Way Plug, Black Female Connector with End Cap	
		AT06-6S-EC01	6-Way Plug, Female Connector with End Cap	 AW6S
		AT06-6S-EC01BLK	6-Way Plug, Black Female Connector with End Cap	
		AT06-08SA-EC01	8-Way Plug, Female Connector with A Position Key and End Cap	 AW8S
		AT06-12SA-EC01	12-Way Plug, Female Connector with A Position Key and End Cap	 AW12S

**NOTE:** Wedglocks are required for all plugs.

Modifications: Endcap over standard rear seal (.088 - .145")

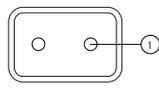
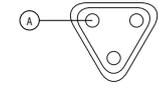
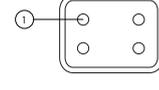
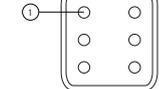
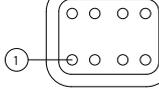
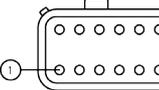
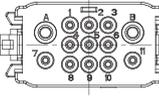
Receptacle	Faceview	Part Number	Description	Wedglock Part Number
		AT04-2P-EC01	2-Way Receptacle, Male Connector with End Cap	 AW2P
		AT04-2P-EC01BLK	2-Way Receptacle, Black Male Connector with End Cap, Black	
		AT04-3P-EC01	3-Way Receptacle, Male Connector with End Cap	 AW3P
		AT04-3P-EC01BLK	3-Way Receptacle, Male Connector with End Cap, Black	
		AT04-4P-EC01	4-Way Receptacle, Male Connector with End Cap	 AW4P
		AT04-4P-EC01BLK	4-Way Receptacle, Black Male Connector with End Cap, Black	
		AT04-6P-EC01	6-Way Receptacle, Male Connector with End Cap	 AW6P
		AT04-6P-EC01BLK	6-Way Receptacle, Black Male Connector with End Cap, Black	
		AT04-08PA-EC01	8-Way Receptacle, Male Connector with A Position Key and End Cap	 AW8P
		AT04-12PA-EC01	12-Way Receptacle, Male Connector with A Position Key and Extended Shroud and End Cap	 AW12P

**NOTE:** Wedglocks are required for all receptacles.

**AT**  
**END CAPS +**  
**REDUCED DIA. SEAL**  
**13A**

**AT SERIES PLUG**  
**END CAP + REDUCED DIAMETER SEAL**

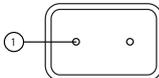
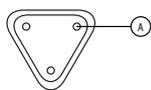
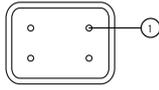
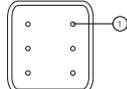
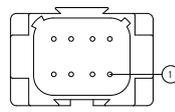
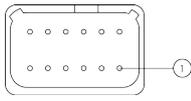
Mixed modifications: Endcap plus reduced diameter seal (.053-.120")

Plug	Face View	Part Number	Description	Wedglock Part Number
		AT06-2S-MM01	2-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW2S
		AT06-2S-MM01BLK	2-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal) and Enhanced Seal Retention (P012) and End Cap	
		AT06-3S-MM01	3-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW3S
		AT06-3S-MM01BLK	3-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT06-4S-MM01	4-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW4S
		AT06-4S-MM01BLK	4-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT06-6S-MM01	6-Way Plug, Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW6S
		AT06-6S-MM01BLK	6-Way Plug, Black Female Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT06-08SA-MM01	8-Way Plug, Female Connector with A Position Key, Reduced Diameter Seals (E-Seal) and End Cap	 AW8S
		AT06-08SA-MMBLK	8-Way Plug, Black Female Connector with A Position Key, Reduced Diameter Seals (E-Seal) and End Cap	
		AT06-12SA-MM01	12-Way Plug, Female Connector with A Position Key and Reduced Diameter Seal (E-Seal) and End Cap	 AW12S
		AT06-12SA-MM01BLK	12-Way Plug, Black Female Connector with A Position Key and Reduced Diameter Seal (E-Seal) and Enhanced Seal Retention(P012) and End Cap	
		AT1612-13SB-RD	13 Position Plug, Reduced Diameter Seal, End Cap	not required

# AT SERIES RECEPTACLE END CAP + REDUCED DIAMETER SEAL

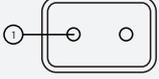
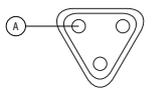
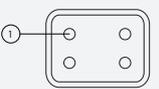
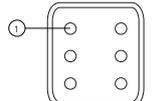
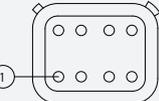
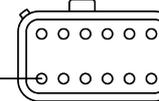
**AT**  
**END CAPS + REDUCED**  
**DIA. SEAL 13A**

Mixed modifications: Endcap plus reduced diameter seal (.053-.120")

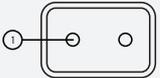
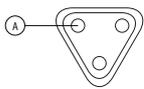
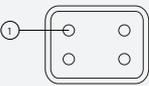
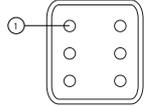
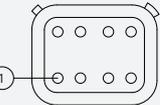
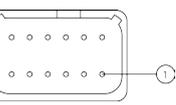
Receptacle	Face View	Part Number	Description	Wedglock Part Number
		AT04-2P-MM01	2-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW2P
		AT04-2P-MM01BLK	2-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT04-3P-MM01	3-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW3P
		AT04-3P-MM01BLK	3-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT04-4P-MM01	4-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW4P
		AT04-4P-MM01BLK	4-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT04-6P-MM01	6-Way Receptacle, Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	 AW6P
		AT04-6P-MM01BLK	6-Way Receptacle, Black Male Connector with Reduced Diameter Seal (E-Seal) and End Cap	
		AT04-08PA-MM01	8-Way Receptacle, Male Connector with A Position Key, Reduced Diameter Seal (E-Seal) and End Cap	 AW8P
		AT04-08PA-MMBLK	8-Way Receptacle, Black Male Connector with A Position Key, Reduced Diameter Seal (E-Seal) and End Cap	
		AT04-12PA-MM01	12-Way Receptacle, Male Connector with A Position Key and Extended Shroud, Reduced Diameter Seal (E-Seal) and End CAP	 AW12P
		AT04-12PA-MMBLK	12-Way Receptacle, Black Male Connector with A Position Key and Extended Shroud, Reduced Diameter Seal (E-Seal) and End Cap	

**NOTE:** Wedglocks are required for all receptacles

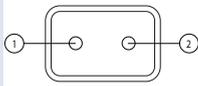
Modification: Solid Rear Seal + End cap for maintaining an environmental seal with unmated connectors

Plugs	Face View	Part Number	Description	Wedglock
		AT06-2S-SS01	2-Way Plug, Female Connector with Solid Rear Grommet. Wedglock included	
		AT06-3S-SS01	3-Way Plug, Female Connector with Solid Rear Grommet. Wedglock included	
		AT06-4S-SS01	4-Way Plug, Female Connector with Solid Rear Grommet. Wedglock included	
		AT06-6S-SS01	6-Way Plug, Female Connector with Solid Rear Grommet. Wedglock included	
		AT06-08SA-SS01	8-Way Plug, Female Connector with A Position Key and Solid Rear Grommet. Wedglock included	
		AT06-12SA-SS01	12-Way Plug, Female Connector with A Position Key and Solid Rear Grommet. Wedglock included	

Modification: Solid Rear Seal + End cap for maintaining an environmental seal with unmated connectors

Receptacles	Face View	Part Number	Description
		AT04-2P-SS01	2-Way Receptacle, Male Connector with Solid Rear Grommet
		AT04-3P-SS01	3-Way Receptacle, Male Connector with Solid Rear Grommet
		AT04-4P-SS01	4-Way Receptacle, Male Connector with Solid Rear Grommet
		AT04-6P-SS01	6-Way Receptacle, Male Connector with Solid Rear Grommet
		AT04-08PA-SS01	8-Way Receptacle, Male Connector with A Position Key and Solid Rear Grommet
		AT04-12PA-SS01	12-Way Receptacle, Male Connector with A Position Key and Extended Shroud and Solid Rear Grommet

**AT**  
LED OPTIONS  
13A/12 V



**AT SERIES PLUG**  
12 VOLT LED OPTIONS

Designed for electromechanical applications where a visible LED light is integrated into a 2 position plug allowing the user to determine the device is receiving power. Environmentally sealed, field serviceable and cost effective while reducing costly trouble shooting time. 12V and 24V versions available.

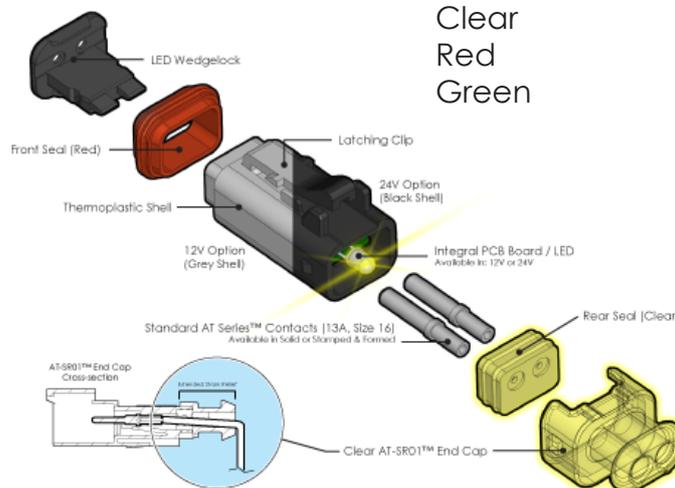
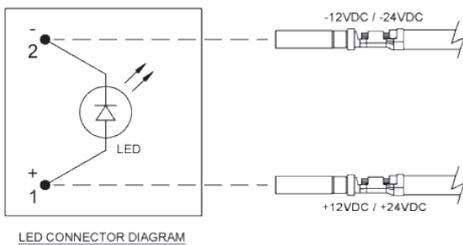
12 VOLT			
Part	Part Number	Description	Wedgeloock
	AT06-2S-LED1201	2-Way, Plug, LED, 12V, Clear endcap, Grey Body, <b>CLEAR LED</b> (Requires Wedgeloock P/N: AW2S-LED)	
	AT06-2S-LED1202	2-Way, Plug, LED, 12V, Clear endcap, Grey Body, Reduced Seal, SR01, <b>CLEAR LED</b> (Requires Wedgeloock P/N: AW2S-LED)	 AWS2S-LED
	AT06-2S-LED1220	2-Way, Plug, LED, 12V, Clear endcap, Grey Body, SR01, <b>RED LED</b> (Requires Wedgeloock P/N: AW2S-LED)	
	AT06-2S-LED1230	2-Way, Plug, LED, 12V, Clear endcap, Grey Body, SR01, <b>GREEN LED</b> (Requires Wedgeloock P/N: AW2S-LED)	
	AT06-2S-LED12K1	2-Way LED Plug Kit, 12V, Contacts and Wedge included, Grey, Clear endcap, <b>CLEAR LED</b>	
	AT06-2S-LED12K2	2-Way LED Plug Kit, 12V, Contacts and Wedge included, Reduced Seal, Grey, Clear endcap, <b>CLEAR LED</b>	

**Connector Body Colors:**

- Gray 12V
- Black 24V

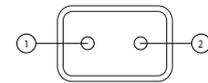
**LED Color Options:**

- Clear
- Red
- Green



\*Yellow LED color and glowing effect used for illustration purpose

# AT SERIES PLUG 24 VOLT LED OPTIONS



**AT**  
**LED OPTIONS**  
**13A/ 24V**

## Features & Benefits

- Integral PCB Board/LED, Front and Rear Seals, and AT-SR01 End Cap Strain Reliefs come factory assembled on the Plug.
- Simply crimp the contact style of your choice...Insert...Snap the wedgelock into place.
- **NO ADDITIONAL ASSEMBLY REQUIRED**

24 VOLT			
Part	Part Number	Description	Wedgelock
	AT06-2S-LED2401	2-Way, Plug, LED, 24V, Clear Endcap, Black Body, <b>CLEAR LED</b> (Requires Wedgelock P/N: AW2S-LED)	 AWS2S-LED
	AT06-2S-LED2402	2-Way, Plug, LED, 24V, Clear Endcap, Reduced Seal, Black Body, <b>CLEAR LED</b> (Requires Wedgelock P/N: AW2S-LED)	
	AT06-2S-LED2420	2-Way, Plug, LED, 24V, Clear endcap, Grey Body, SR01, <b>RED LED</b> (Requires Wedgelock P/N: AW2S-LED)	
	AT06-2S-LED2430	2-Way, Plug, LED, 24V, Clear endcap, Black Body, SR01, <b>GREEN LED</b> (Requires Wedgelock P/N: AW2S-LED)	
	AT06-2S-LED24K1	2-Way LED Plug Kit, 24V, Contacts and Wedge included, Black, Clear endcap, <b>CLEAR LED</b>	
	AT06-2S-LED24K2	2-Way LED Plug Kit, 24V, Contacts and Wedge included, Reduced Seal, Black, Clear endcap, <b>CLEAR LED</b>	

Solenoids | Valves | Sensors | Manifolds  
Coils | Diagnostics | Electronic Controls

- Field Serviceable • Cost-effective
- Quick diagnosis reduces troubleshooting time
- Environmentally-sealed for harsh environments
- Plug and Play - assembled the same as a standard connector

\*Certain chosen devices must be diode-protected

**AT SERIES RECEPTACLE  
PROTECTIVE COVERS**

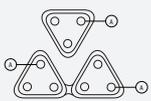
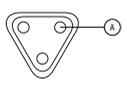
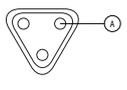
Part	Face View	Part Number	Description
		AT06-2S-CAP	2-way Protective Cover for Plug, Black
		AT06-3S-CAP	3-way Protective Cover for Plug, Black
		AT06-4S-CAP	4-way Protective Cover for Plug, Black
		AT06-6S-CAP	6-way Protective Cover for Plug, Black
		AT06-08S-CAP	8-way, All Keys Protective Cover for Plug, Black
		AT06-12S-CAP	12-way, All Keys Protective Cover for Plug, Black



Mounting Hole provided on all sizes.  
Please go to [www.amphenol-sine.com](http://www.amphenol-sine.com) and search  
by part number to view datasheets.

### J-1939 Modifications - Plug, Receptacles & Wedgelocks

AT Series™ J-1939/11, 3-Pin connectors offer a high performance, reliable and cost effective solution for the SAE 3 position CAN Network requirements . This series is designed to be completely compatible with existing industry standard J1939/11 connectors and provides a complete line of connectors including Y receptacles, network terminations with 120 ohm resistors, and keyed wedgelocks to prevent mis-mating. Additionally, the AT Series offers the –SR01 Strain Relief series in both 3 way receptacles and plugs for critical J1939 in-line connections requiring increased environmental protection and strain relief.

Receptacle	Face View	Part Number	Description	Wedgelock Part Number
		AT04-3P-RY01	"Y" Receptacle, 3-Way, Grey *Wedgelock included	
		AT04-3P-RJ120BK	Receptacle, 3-Way, J-1939, 120 Ohm, Terminating Resistor, Black, *Wedgelock Included	 AW3P-1939 Wedgelock, 3-Way, J-1939, Blue
		AT04-3P-RJ120	Recep., 3-Way, J-1939, 120 Ohm, Terminating Resistor, Grey, *Wedgelock Included	
Plug	Face View	Part Number	Description	Wedgelock Part Number
		AT06-3S-SR-01BLK	Plug, 3-Way, Strain Relief, Black	 AW3S-1939 Wedgelock, Plug, 3-Way, J-1939, Blue
		AT06-3S-RJ120	Plug, 3-Way, J-1939, 120 Ohm Resistor, Grey, End Cap (Blue wedgelock included)	 AW3S Wedgelock, Plug, 3-Way
		AT06-3S-RJL120	Plug, 3-Way, J-1939, 120 Ohm Resistor, , Grey, End Cap, <b>Latch Guard</b> (Blue wedgelock included)	

**AT SERIES PLUG  
ADAPTER 6/12 PIN TO RJ45**

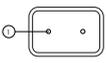
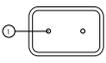
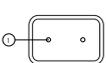
Adapter, 6/12 Pin to RJ45

AT Series™ 6 Pin to RJ45 Adapters are developed to provide a direct connection between industry standard 6 position connectors and 8 position ethernet RJ45 connections.

Part	Face View	Part Number	Description
		P30307-XX	AT Series™ 6-Way Receptacle to RJ45 8-Way Receptacle
			AT Series™ 12-Way Receptacle to RJ45 8-Way Receptacle
	NA	ATRJ8-FSSR	RJ Plug, Sealed Strain Relief, Field Installable/ Serviceable Assembly, 13/16-28 Thread Receptacles (RJ plug not included)

TERMINATING RESISTORS AND DIODES

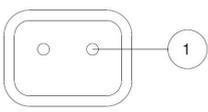
AT Series™ connectors are available with custom resistor values to meet specific application requirements. Consult Sales Representative for resistor, diode and other electronic packaging solutions.

Part	Face View	Part Number	Type	Description
		AT04-2P-R120YEL	Resistor	2-Way, Receptacle, 120 Ohm Resistor, NI Pins, Wedgelock, Yellow
		AT04-2P-THM10K	Thermistor	2-Way, Receptacle, 10K Ohm Thermistor, NI Pins, Wedgelock, Red
		AT04-2P-DIN4GRY	Diode	2-Way, Receptacle, Diode, 1N4004, NI Pins, Wedgelock, Gray
		AT04-3P-RJ120BK	Resistor	3-Way, Receptacle, J1939-11, 120 Ohm Resistor, Gold Pins, Blue Wedgelock, Black
		AT04-3P-RJ120	Resistor	3-Way, Receptacle, J1939-11, 120 Ohm Resistor, Gold Pins, Blue Wedgelock, Gray
		AT04-4P-R1K2K	Resistor	4-Way, Receptacle, 1.2K & 2.7K Ohm Resistor, NI Pins, Wedgelock, Gray
		AT04-6P-R120BL	Resistor	6-Way, Receptacle, 6 Gang Buss w/ 120 Ohm Resistor, Gold Pins, Wedgelock, Blue

Part	Face View	Part Number	Type	Description
		AT06-2S-R120YEL	Resistor	2-Way, Plug, 120 Ohm Resistor, NI Sockets, Standard Wedgelock, Yellow
		AT06-3S-RJ120BK	Resistor	3-Way, Plug, J1939-11, 120 Ohm Resistor, Gold Sockets, Blue Wedgelock, Black
		AT06-3S-RJ120	Resistor	3-Way, Plug, J-1939, 120 Ohm Resistor, End Cap, Blue Wedgelock, Grey
		AT06-3S-R680	Resistor	3-Way, Plug, 680 Ohm Resistor, End Cap, Standard Wedgelock, Grey <b>NOTE:</b> Resistor is between A and B position.

### Extended Body AT Plugs Designed for Overmolding

Custom Cable Assemblies are available for any application, and carry with them the capabilities of being overmolded in any size or length necessary. We have many specialized configurations. For more information, please contact a Sales Representative at 1-800-394-7732.

Part	Face View	Part Number	Description	Wedglock
		AT06-2S-OMGRY	2-Way Custom Overmold Plug, Socket, Gray	 AW2S
		AT06-2S-OMBLK	2-Way Custom Overmold Plug, Socket, Black	
		AT06-2S-OMBLU	2-Way Custom Overmold Plug, Socket, Blue	
		AT06-2S-OMBRN	2-Way Custom Overmold Plug, Socket, Brown	
		AT06-2S-OMGRN	2-Way Custom Overmold Plug, Socket, Green	
		AT06-2S-OMRED	2-Way Custom Overmold Plug, Socket, Red	
		AT06-2S-OMWHT	2-Way Custom Overmold Plug, Socket, White	
		AT06-2S-OMYEL	2-Way Custom Overmold Plug, Socket, Yellow	

**NOTE:** These custom products are a sampling of the options available. For more options, please contact your Sales Representative.

www.amphenol-sine.com

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Clinton Township, MI 48036  
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**Germany**

**Amphenol Tuchel GmbH**  
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Heilbronn, Germany 74080  
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Fax: 49(0)-7131-929-486  
Email: info@amphenol.de  
www.amphenol.de

**China**

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www.amphenol-socapex.com

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