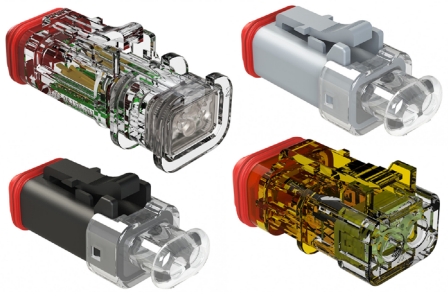


AT ATSeries™ LED



2 Pos, 13A LED Plug Connectors in 12V/24V

Amphenol Sine Systems' **AT Series™ LED (Light Emitting Diode) Plug Connectors**, available in a 12V and/or 24V LED plug option, are a highly-visible, field-serviceable, cost-effective solution for quick visual verification of power to help reduce troubleshooting time. Available in Black, Grey, or Amber body shells with clear endcap on our **AT Series™ LED** version, as well as Clear body shells with our **StructurePlus™ AT LED** version.

(The engineered, one-piece, solid body construction of our **StructurePlus™** overmold compatible connectors results in enhanced connection integrity that is an essential component for connecting cable in harsh environments, as well as custom molding and shrink tube options.)

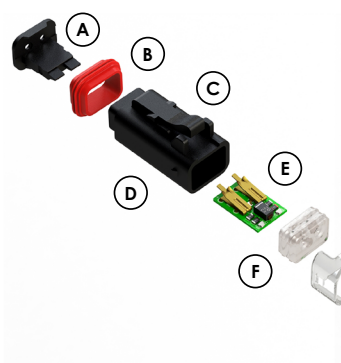
SP Structure+™ AT LED

Key Features

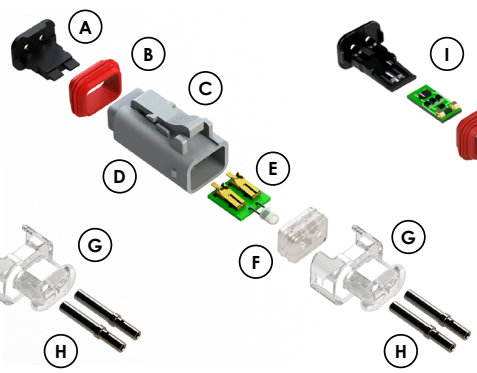
- Environmentally-sealed for harsh environments
- Front and Rear Seals (Standard and Reduced Diam. Avail.)
- Available with or without Reverse Voltage Protection Circuit
- AT-SR01™ Enhanced Strain Relief Endcap or Snap-Fit Endcap options
- Accepts Solid or Stamped & Formed Size 16 AT Series™ contacts (250V Max Voltage Rating)
- No additional assembly required other than insertion of chosen contacts

Potential Applications: Solenoids, Valves, Sensors, Manifolds, Coils, Diagnostics, Electronic Controls

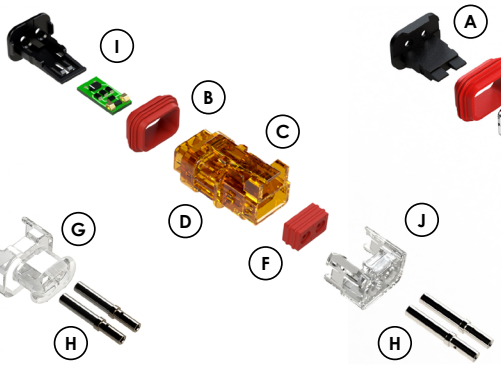
AT Series™ LED
12V or 24V / Black Body



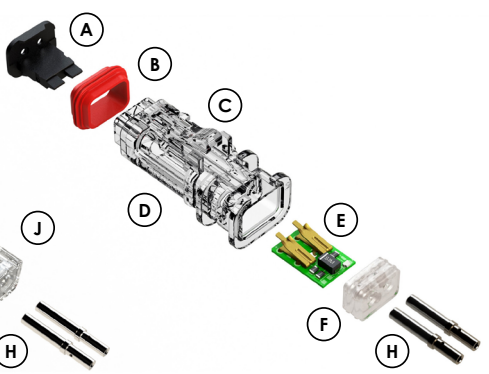
AT Series™ LED
12V / Grey Body



AT Series™ w Integrated LED Wedgelock
12V or 24V / Amber Body



StructurePlus™ AT LED Series
12V or 24V / Clear Body



A	Standard Wedgelock (Sold Seperately)
B	Front Seal
C	Latching Clip
D	Connector Housing (Black, Grey, Clear, or Amber Options)
E	PCB Board/LED (12V or 24V; White, Red, Green LED Options)
F	Rear Wire Seal (Standard or Reduced Diameter)

G	AT-SR01™ Enhanced Strain Relief End Cap (Clear)
H	Standard A Series™ 13A/Size 16 Contacts (S&F or Solid Options)
I	LED Wedgelock w Integrated PCB Board/LED (12V Grey or 24V Black; Red LED)
J	Snap-Fit Endcap (Clear)

A ASeries™ Family

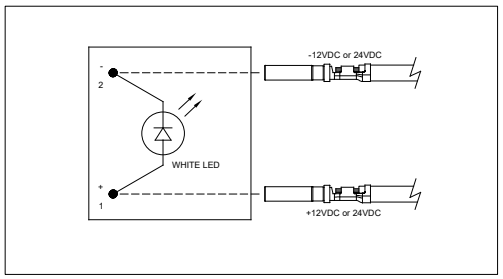


Standard products. Custom solutions

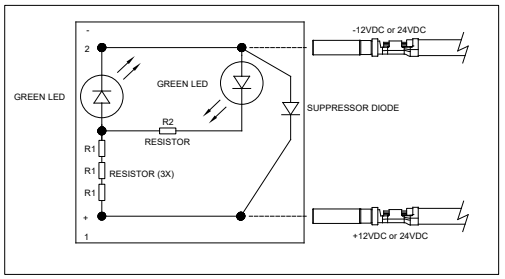
Customer Service +1 800 394 7732

AT Series™ LED - Schematics
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

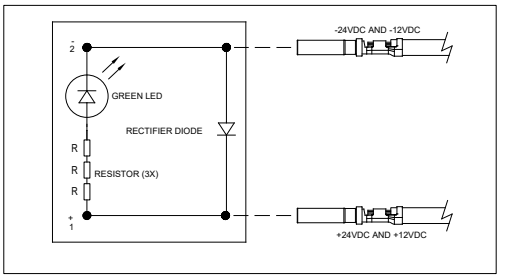
12V or 24V LED



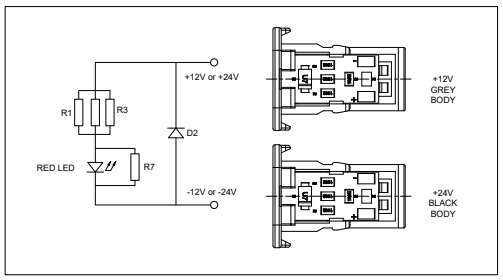
12V or 24V LED w Integrated Rectifier Diode and Reverse Voltage Protection (RVP) Circuit



12V and 24V LED w Integrated Rectifier Diode and Reverse Voltage Protection (RVP) Circuit



12V or 24V LED Wedgelock w Integrated PCB Board



AT Series™ LED - Plugs
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

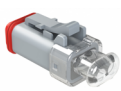
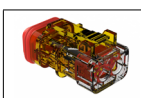
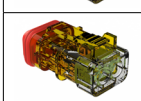
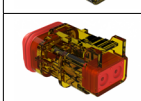
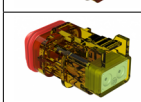
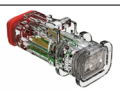
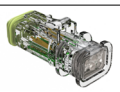
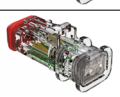
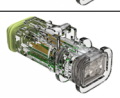
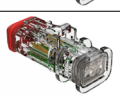
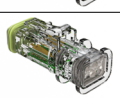
Image	Part Number	Description	Size	Amp
	AT06-2S-LED1201	2 Position, Plug, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, White LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1202	2 Position, Plug, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, White LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1220	2 Position, Plug, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, Red LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1224V	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1224VR	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1230	2 Position, Plug, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED12V01	2 Position, Plug, Socket, Size 16, 13A, 12V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A

Image	Part Number	Description	Size	Amp
	AT06-2S-LED12VR1	2 Position, Plug, Socket, Size 16, 13A, 12V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Grey Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED2401	2 Position, Plug, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, White LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED2402	2 Position, Plug, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, White LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED2420	2 Position, Plug, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, Red LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED2430	2 Position, Plug, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED24V01	2 Position, Plug, Socket, Size 16, 13A, 24V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED24VR1	2 Position, Plug, Socket, Size 16, 13A, 24V, RVP Circuit, AT Series™ LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-D1224V	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, Integrated Rectifier Diode, AT Series™ LED, Integrated Latch, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-D1224VR	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, Integrated Rectifier Diode, AT Series™ LED, Integrated Latch, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Black Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-TF01	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, AT Series™ LED, Integrated Latch, Standard Diameter Rear Seal (Red), Clear Snap-Fit Endcap, Amber Body, AW2S-LED12V/24V Wedgelock Required	16	13A
	AT06-2S-TF02	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, AT Series™ LED, Integrated Latch, Reduced Diameter Rear Seal (Green), Clear Snap-Fit Endcap, Amber Body, AW2S-LED12V/24V Wedgelock Required	16	13A
	AT06-2S-TS01	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, AT Series™ LED, Integrated Latch, Standard Diameter Rear Seal (Red), Amber Body, AW2S-LED12V/24V Wedgelock Required	16	13A
	AT06-2S-TS02	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, AT Series™ LED, Integrated Latch, Reduced Diameter Rear Seal (Green), Amber Body, AW2S-LED12V/24V Wedgelock Required	16	13A

AT Series™ LED - Plug Kits
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Size	Amp
	AT06-2S-LED12K1	2 Position, Plug Kit, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, White LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Grey Body, Contacts and Wedgelock included	16	13A
	AT06-2S-LED12K2	2 Position, Plug Kit, Socket, Size 16, 13A, 12V, AT Series™ LED, Integrated Latch, White LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Grey Body, Contacts and Wedgelock included	16	13A
	AT06-2S-LED24K1	2 Position, Plug Kit, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, White LED, Standard Diameter Rear Seal (Red), AT-SR01™ Clear Endcap, Black Body, Contacts and Wedgelock included	16	13A
	AT06-2S-LED24K2	2 Position, Plug Kit, Socket, Size 16, 13A, 24V, AT Series™ LED, Integrated Latch, White LED, Reduced Diameter Rear Seal (Green), AT-SR01™ Clear Endcap, Black Body, Contacts and Wedgelock included	16	13A

StrructurePlus™ AT LED - Plugs
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

	AT06-2S-LED1224V-OMC	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), Clear Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED1224VR-OMC	2 Position, Plug, Socket, Size 16, 13A, 12V or 24V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), Clear Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED12V01-OMC	2 Position, Plug, Socket, Size 16, 13A, 12V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), Clear Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED12VR1-OMC	2 Position, Plug, Socket, Size 16, 13A, 12V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), Clear Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED24V01-OMC	2 Position, Plug, Socket, Size 16, 13A, 24V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Standard Diameter Rear Seal (Red), Clear Body, AW2S-LED Wedgelock Required	16	13A
	AT06-2S-LED24VR1-OMC	2 Position, Plug, Socket, Size 16, 13A, 24V, RVP Circuit, Structure Plus™ AT LED, Integrated Latch, Green LED, Reduced Diameter Rear Seal (Green), Clear Body, AW2S-LED Wedgelock Required	16	13A

AT Series™ LED - Accessories
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

	AW2S-LED	2 Position, LED Wedgelock, AT Series™ LED, Black Body	-	-
	AW2S-LED12V	2 Position, LED Wedgelock w Integrated PCB Board, 12V, AT Series™ LED, Red LED, Grey Body Note: For use with AT06-2S-TF*/AT06-2S-TS*	-	-
	AW2S-LED24V	2 Position, LED Wedgelock w Integrated PCB Board, 24V, AT Series™ LED, Red LED, Black Body Note: For use with AT06-2S-TF*/AT06-2S-TS*	-	-
	50-80590	Contact Removal Tool, AT Series™	-	-

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