



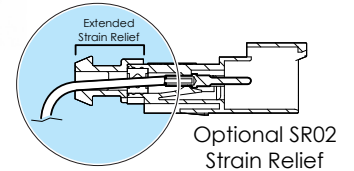
AT ATSeries™ 18 Pos

Heavy-Duty, Multi-Pin, Thermoplastic Connectors

18 x Size 16 Contacts Configuration

Key Features

- Part of the AT Series™ product line, available in 2, 3, 4, 6, 8, 12, 13, 15 and 18 position
- Available in PanelMate™ AT option
- Optional keying configurations A, B, C, D and E (color-specified)
- Optional SR02 Strain Relief protects each wire cavity to maximize sealing integrity
- Plug and receptacle housings are pre-assembled with internal rear seals and covers
- Integrated latch for mating ensures a definitive electrical and mechanical connection
- Superior front and rear environmental seals and seal retention capabilities provide a multi-sealing perimeter against environmental ingress
- Compatible with existing standard products industry-wide



Applications: Heavy Duty, Transportation, Marine, Diagnostic, Alternative Energy, Agricultural and other demanding interconnect architectures.

Operating Temperature	-55°C to +125°C
Max Current Rating (Amperage)	13A
Mating Cycle Durability	>100
IP Rating	IP68/69K (in mated condition)
Wire Range	Size 16 (14-20AWG) contacts
Contacts	Available in Machined and Stamped & Formed; Copper Alloy, Nickel-Plated, Gold plating optional
Housing/Latch Material	Thermoplastic/Integrated latch for mating
Sealing Material	Silicone Rubber
Dielectric Withstanding Voltage	Less than 2 milliamps current leakage @ 1500V AC
Insulation Resistance	1000 megohms minimum at 25°C
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



A ASeries™ Family



Standard products. Custom solutions
Customer Service +1 800 394 7732










Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-18SA-K004	18 Position, Plug, Socket, AT Series™, End Cap, Key A, Black	14-20AWG	13A	250V
	AT16-18SB-K004	18 Position, Plug, Socket, AT Series™, End Cap, Key B, Black	14-20AWG	13A	250V
	AT16-18SC-K004	18 Position, Plug, Socket, AT Series™, End Cap, Key C, Black	14-20AWG	13A	250V
	AT16-18SD-K004	18 Position, Plug, Socket, AT Series™, End Cap, Key D, Black	14-20AWG	13A	250V
	AT16-18SE-K004	18 Position, Plug, Socket, AT Series™, End Cap, Key E, Black	14-20AWG	13A	250V
	AT16-18SA-EK02	18 Position, Plug, Socket, AT Series™, End Cap, Key A, Gray	14-20AWG	13A	250V
	AT16-18SC-EK02	18 Position, Plug, Socket, AT Series™, End Cap, Key C, Green	14-20AWG	13A	250V
	AT16-18SD-EK02	18 Position, Plug, Socket, AT Series™, End Cap, Key D, Brown	14-20AWG	13A	250V
	AT16-18SE-EK02	18 Position, Plug, Socket, AT Series™, End Cap, Key E, Gray	14-20AWG	13A	250V

Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-18SA-SR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key A, Black	14-20AWG	13A	250V
	AT16-18SB-SR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key B, Black	14-20AWG	13A	250V
	AT16-18SC-SR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key C, Black	14-20AWG	13A	250V
	AT16-18SD-SR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key D, Black	14-20AWG	13A	250V
	AT16-18SE-SR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key E, Black	14-20AWG	13A	250V
	AT16-18SA-EKSR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key A, Grey	14-20AWG	13A	250V
	AT16-18SC-EKSR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key C, Green	14-20AWG	13A	250V
	AT16-18SD-EKSR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key D, Brown	14-20AWG	13A	250V
	AT16-18SE-EKSR02	18 Position, Plug, Socket, AT Series™, SR02 Strain Relief, Key E, Grey	14-20AWG	13A	250V



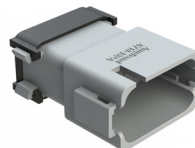


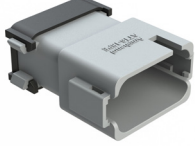





Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-18PA-K004	18 Position, Receptacle, Pin, AT Series™, End Cap, Key A, Black	14-20AWG	13A	250V
	AT16-18PB-K004	18 Position, Receptacle, Pin, AT Series™, End Cap, Key B, Black	14-20AWG	13A	250V
	AT16-18PC-K004	18 Position, Receptacle, Pin, AT Series™, End Cap, Key C, Black	14-20AWG	13A	250V
	AT16-18PD-K004	18 Position, Receptacle, Pin, AT Series™, End Cap, Key D, Black	14-20AWG	13A	250V
	AT16-18PE-K004	18 Position, Receptacle, Pin, AT Series™, End Cap, Key E, Black	14-20AWG	13A	250V
	AT16-18PA-EK02	18 Position, Receptacle, Pin, AT Series™, Key A, Grey	14-20AWG	13A	250V
	AT16-18PC-EK02	18 Position, Receptacle, Pin, AT Series™, Key C, Green	14-20AWG	13A	250V
	AT16-18PD-EK02	18 Position, Receptacle, Pin, AT Series™, Key D, Brown	14-20AWG	13A	250V
	AT16-18PE-EK02	18 Position, Receptacle, Pin, AT Series™, Key E, Grey	14-20AWG	13A	250V

Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-18PA-SR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key A, Black	14-20AWG	13A	250V
	AT16-18PB-SR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key B, Black	14-20AWG	13A	250V
	AT16-18PC-SR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key C, Black	14-20AWG	13A	250V
	AT16-18PD-SR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key D, Black	14-20AWG	13A	250V
	AT16-18PE-SR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key E, Black	14-20AWG	13A	250V
	AT16-18PA-EKSR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key A, Grey	14-20AWG	13A	250V
	AT16-18PC-EKSR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key C, Green	14-20AWG	13A	250V
	AT16-18PD-EKSR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key D, Brown	14-20AWG	13A	250V
	AT16-18PE-EKSR02	18 Position, Receptacle, Pin, AT Series™, SR02 Strain Relief, Key E, Grey	14-20AWG	13A	250V

Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-18PA-PM11	18 Position, Receptacle, Pin, PanelMate™ AT, End Cap, Key A, Grey	14-20AWG	13A	250V
	AT16-18PB-PM11	18 Position, Receptacle, Pin, PanelMate™ AT, End Cap, Key B, Black	14-20AWG	13A	250V
	AT16-18PC-PM11	18 Position, Receptacle, Pin, PanelMate™ AT, End Cap, Key C, Green	14-20AWG	13A	250V
	AT16-18PD-PM11	18 Position, Receptacle, Pin, PanelMate™ AT, End Cap, Key D, Brown	14-20AWG	13A	250V
	AT16-18PE-PM11	18 Position, Receptacle, Pin, PanelMate™ AT, End Cap, Key E, Grey	14-20AWG	13A	250V









	AT16-18PA-PM15	18 Position, Receptacle, Pin, PanelMate™ AT, SR02 Strain Relief, Key A, Grey	14-20AWG	13A	250V
	AT16-18PB-PM15	18 Position, Receptacle, Pin, PanelMate™ AT, SR02 Strain Relief, Key B, Black	14-20AWG	13A	250V
	AT16-18PC-PM15	18 Position, Receptacle, Pin, PanelMate™ AT, SR02 Strain Relief, Key C, Green	14-20AWG	13A	250V
	AT16-18PD-PM15	18 Position, Receptacle, Pin, PanelMate™ AT, SR02 Strain Relief, Key D, Brown	14-20AWG	13A	250V
	AT16-18PE-PM15	18 Position, Receptacle, Pin, PanelMate™ AT, SR02 Strain Relief, Key E, Grey	14-20AWG	13A	250V

Image	Part Number	Description	Wire Range	Amp	Volt
	AT16-1518S-CAP	Protective Cover for 12, 15, 18 Position Plugs, Black	-	-	-
	ATBS-PS-1805	Backshell for 15 & 18 Pos, AT Series™, Black	-	-	-
	AT11-310-1605	Contact Removal Tool, Plastic, Size 16	-	-	-

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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