



ATHD ATHD Series™



Heavy Duty, Thermoplastic, Power Connectors

Available in Single Position

Our **ATHD Series™** Heavy Duty Power Connectors provide an environmentally-sealed connection system and solution to field splices and terminals in harsh environments. Safety features include an integral latch to prevent inadvertent disconnect and an audible/tactile "click" provides circuit confirmation. Precision machined contact technology maximizes performance and durability while delivering up to 100A of power.

Available in **In-Line (Wire-to-Wire)**, **BoardLock™**, **PanelMate™** and **StructurePlus™** options. Also available as cable assemblies in a variety of standard lengths (1, 2, 4, 5 and 10 Meter).



Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural

Key Features

- Intermatable with industry standard connectors
- Circular, Thermoplastic Housing
- Integral Latch Prevents Inadvertent Disconnect
- In-line (Wire-to-Wire), BoardLock™ or PanelMate™ Options
- Customized project-specific colors

Available Modifications

- **-BMXX** - BoardLock™ ATHD/ATFHD Receptacle
- **-L009** - PanelMate™ ATHD Receptacle for inside mounting
- **-L013** - PanelMate™ ATHD Receptacle for outside mounting
- **-OM** - StructurePlus™ ATHD Overmold Capable
- **-E003** - Endcap



Current Rating	Up to 100A
Voltage Rating	Up to 1000V
Operating Temperature	-55°C to +125°C
Dielectric Withstand Voltage	Less than 2 Milliamps Current Leakage @ up to 3000V AC
Insulation Resistance	1000 Megohms Minimum @ 25°C
Mating Cycle Durability	>100 Cycles
Wire Size	4-14AWG








A Series™ Family





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






Single Position - **ATHD Series™** Plugs

Image	Part Number	Description	Size	Amp
	ATHD06-1-4S	Single Position, Plug, Pin, ATHD™, Black Body	4	100A
	ATHD06-1-8S	Single Position, Plug, Socket, ATHD™, Black Body	8	60A
	ATHD06-1-8S-E003	Single Position, Plug, Socket, ATHD™, Endcap, Black Body	8	60A
	ATHD06-1-12S	Single Position, Plug, Socket, ATHD™, Black Body	12	25A
	ATHD06-1-12S-E003	Single Position, Plug, Socket, ATHD™, Endcap, Black Body	12	25A

 Single Position - **StructurePlus™** ATHD Plugs

	ATHD06-1-8S-OM	Single Position, Plug, Socket, StructurePlus™ ATHD, Black Body	8	60A
	ATHD06-1-12S-OM	Single Position, Plug, Socket, StructurePlus™ ATHD, Black	12	25A






 Single Position - **ATHD Series™** Receptacles

	ATHD04-1-4P	Single Position, Receptacle, Pin, ATHD™, Black Body	4	100A
	ATHD04-1-8P	Single Position, Receptacle, Pin, ATHD™, Black Body	8	60A
	ATHD04-1-8P-E003	Single Position, Receptacle, Pin, ATHD™, Endcap, Black Body	8	60A
	ATHD04-1-12P	Single Position, Receptacle, Pin, ATHD™, Black Body	12	25A
	ATHD04-1-12P-E003	Single Position, Receptacle, Pin, ATHD™, Endcap, Black Body	12	25A

 Single Position - **BoardLock™** ATHD Receptacles

	ATHD04-1-4P-BM11	Single Position, Receptacle, Pin, Size 4, Gold-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, No Potting, Black Body	4	100A
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Single Position - **BoardLock™ ATHD** Receptacles, cont.

Image	Part Number	Description	Size	Amp
	ATHD04-1-4P-BM12	Single Position, Receptacle, Pin, Size 4, Gold-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, Potting, Black Body	4	100A
	ATHD04-1-4P-BM13	Single Position, Receptacle, Pin, Size 4, Nickel-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, No Potting, Black Body	4	100A
	ATHD04-1-4P-BM14	Single Position, Receptacle, Pin, Size 4, Nickel-Plated, BoardLock™ ATHD Series, Keyed A, Self-Threading, Potting, Black Body	4	100A
	ATHD04-1-8P-BM11	Single Position, Receptacle, Pin, Size 8, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	8	60A
	ATHD04-1-8P-BM12	Single Position, Receptacle, Pin, Size 8, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	8	60A
	ATHD04-1-8P-BM13	Single Position, Receptacle, Pin, Size 8, Nickel-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	8	60A
	ATHD04-1-8P-BM14	Single Position, Receptacle, Pin, Size 8, Nickel-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	8	60A
	ATHD04-1-12P-BM11	Single Position, Receptacle, Pin, Size 12, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	12	25A
	ATHD04-1-12P-BM12	Single Position, Receptacle, Pin, Size 12, Gold-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	12	25A
	ATHD04-1-12P-BM13	Single Position, Receptacle, Pin, Size 12, Tin-Plated, BoardLock™ ATHD Series, Self-Threading, No Potting, Black Body	12	25A
	ATHD04-1-12P-BM14	Single Position, Receptacle, Pin, Size 12, Tin-Plated, BoardLock™ ATHD Series, Self-Threading, Potting, Black Body	12	25A




 Single Position - **BoardLock™ ATFHD** Receptacles

	ATFHD13-1-4P-BM11	Single Position, Receptacle, Pin, Gold-Plated, BoardLock™ ATFHD, Self-Tapping, Black Body	4	100A
	ATFHD13-1-4P-BM13	Single Position, Receptacle, Pin, Nickel-Plated, BoardLock™ ATFHD, Self-Tapping, Black Body	4	100A

 Single Position - **PanelMate™ ATHD** Receptacles

	ATHD04-1-4P-L009	Single Position, Receptacle with Inside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-4P-L013	Single Position, Receptacle with Outside Mount Sealed Flange, Pin, Size 4, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	4	100A
	ATHD04-1-8P-PM05	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A

Single Position - PanelMate™ ATHD Receptacles, cont.

Image	Part Number	Description	Size	Amp
	ATHD04-1-8P-PM11	Single Position, Receptacle with Flange, Pin, Size 8, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	8	60A
	ATHD04-1-12P-PM05	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Threaded Insert, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A
	ATHD04-1-12P-PM11	Single Position, Receptacle with Flange, Pin, Size 12, PanelMate™ ATHD, Self-Threading, Gasket, Standard Diameter Rear Seal (Red), Black Body	12	25A

ATHD Series™ Contacts

Image	Part Number	Description	Size	Amp
	AT60-203-04141-4	Pin, Machined, 4AWG, Copper Alloy, Nickel-plated	4	100A
	AT60-204-0490	Pin, Machined, 6AWG, Copper Alloy, Nickel-plated	4	100A
	AT60-204-08141	Pin, Machined, 8-10AWG, Copper Alloy, Nickel-plated	8	60A
	AT60-204-12141	Pin, Machined, 12-14AWG, Copper Alloy, Nickel-plated	12	25A
	AT60-220-1231	Pin, Machined, 12-14AWG, Copper Alloy, Gold-plated	12	25A
	AT62-203-04141	Socket, Machined, 6AWG, Copper Alloy, Nickel-plated	4	100A
	AT62-203-04141-4	Socket, Machined, 4AWG, Copper Alloy, Nickel-plated	4	100A
	AT62-203-08141	Socket, Machined, 8-10AWG, Copper Alloy, Nickel-plated	8	60A
	AT62-203-12141	Socket, Machined, 12-14AWG, Copper Alloy, Nickel-plated	12	25A
	AT62-210-1231	Socket, Machined, 12-14AWG, Copper Alloy, Gold-plated	12	25A

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

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