

HYPERBUSS™ Family



More **Power**. More **Data**. More **Control**.

Amphenol Sine Systems' **HYPERBUSS™ Family of Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular or rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 and/or IP69K rating (in mated condition), depending on Series/Layout, the HYPERBUSS™ Family of Bussed Receptacles contain either an integrated latch or an a quick-connect, circular, bayonet locking system to ensure proper mating to its respective Series plugs.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Available in the following receptacle options: HYPERBUSS™ AT, HYPERBUSS™ ATP, HYPERBUSS™ ATV, HYPERBUSS™ PSM and DuraMate™ AHDP with HYPERBUSS™, each intermateable with their respective plug (AT Series™, ATP Series™, ATV Series™, ATHD Series™ and DuraMate™ AHDP Series plugs) and industry standard connectors.

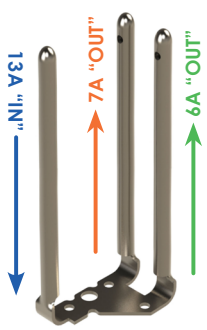
HYPERBUSS™ AT | HYPERBUSS™ ATP | HYPERBUSS™ ATV | HYPERBUSS™ PSM (POWER & SIGNAL MANAGEMENT) | DuraMate™ AHDP with HYPERBUSS™

Key Features

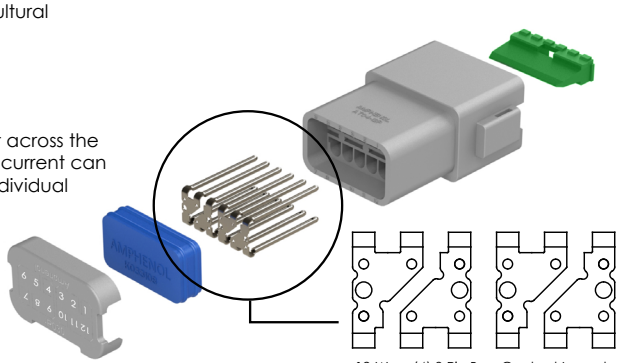
- Sealed Intergrated Bussed Feedback Assembly
- Rectangular or circular thermoplastic housings
- Integrated latch or quick-connect, circular, bayonet locking systems
- Bussed receptacles are intermateable with respective Series plugs (AT, ATM, ATV, ATHD and DuraMate AHDP)
- IP68 and/or IP69K rated (in mated condition), depending on Series/Layout

IP68 IP69K

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



Example
Maximum rated current is determined by the combined current across the entire buss. In the 13A example below, various combinations of current can be achieved, but must be limited to a maximum of 18A. See individual datasheets for exact specifications for each part number.



12-Way, (4) 3 Pin Buss Contact Layout

IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

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HYPERBUSS™ AT



HYPERBUSS™ AT Bussed Receptacles

Available in 2, 4, 6, 8 and 12 position

Amphenol Sine Systems' **HYPERBUSS™ AT Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 and IP69K rated (in mated condition), the HYPERBUSS™ AT Bussed Receptacles contain an integrated latch to ensure proper mating with standard AT Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 16 contacts
- Sealed Intergrated Bussed Feedback Assembly
- IP68 and IP69K Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard AT Series™ Plugs and other industry connectors

IP68 IP69K

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

HYPERBUSS™ AT - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68 and IP69K
Contact Size	16
Max. Current (Amperage)	13A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Annodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8

IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

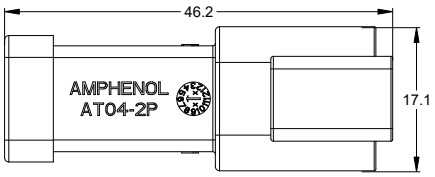
A ASeries™ Family



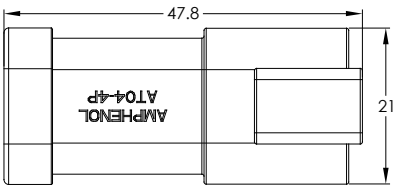
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HYPERBUSS™ AT - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

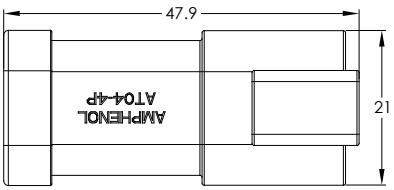
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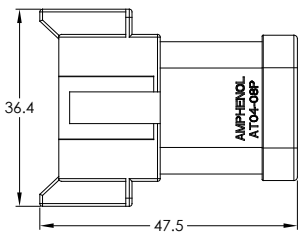
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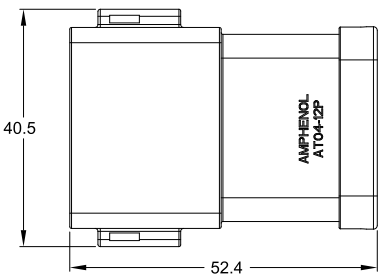
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AT04-08Px-xxx



AT04-12Px-xxx



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

Image	Part Number	Description	Contact Size	Amperage
	AT04-2P-P060	2 Position, Receptacle, 2 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Black Body	16	13A (13A Total)
	AT04-4P-EP13	4 Position, Receptacle, 4 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (26A Total), 250V, HYPERBUSS™ AT, Black Body	16	13A (26A Total)
	AT04-4P-P021	4 Position, Receptacle, 4 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (26A Total), 250V, HYPERBUSS™ AT, Grey Body	16	13A (26A Total)
	AT04-6P-EP13	6 Position, Receptacle, 6 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Black Body	16	13A (39A Total)
	AT04-6P-EP14	6 Position, Receptacle, 3 Pin AT x 2 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Black Body	16	13A (13A Total)

Image	Part Number	Description	Contact Size	Amperage
	AT04-6P-P021	6 Position, Receptacle, 6 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Grey Body	16	13A (39A Total)
	AT04-08PA-P021	8 Position, Receptacle, 8 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (52A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (52A Total)
	AT04-08PB-P021	8 Position, Receptacle, 8 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (52A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (52A Total)
	AT04-08PA-P026	8 Position, Receptacle, 4 Pin AT x 2 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (26A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (26A Total)
	AT04-08PB-P026	8 Position, Receptacle, 4 Pin AT x 2 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (26A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (26A Total)
	AT04-08PA-P028	8 Position, Receptacle, 3 Pin AT x 1 and 5 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (39A Total)
	AT04-08PB-P028	8 Position, Receptacle, 3 Pin AT x 1 and 5 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)
	AT04-12PA-P016	12 Position, Receptacle, 12 Pin AT x 1 Layout, Pin, Contact Size 16, Gold-Plated, 13A (78A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (78A Total)
	AT04-12PB-P016	12 Position, Receptacle, 12 Pin AT x 1 Layout, Pin, Contact Size 16, Gold-Plated, 13A (78A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (78A Total)
	AT04-12PA-P021	12 Position, Receptacle, 12 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (78A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (78A Total)
	AT04-12PB-P021	12 Position, Receptacle, 12 Pin AT x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (78A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (78A Total)
	AT04-12PA-P026	12 Position, Receptacle, 6 Pin AT x 2 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (39A Total)
	AT04-12PB-P026	12 Position, Receptacle, 6 Pin AT x 2 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)
	AT04-12PB-P027	12 Position, Receptacle, 6 Pin AT x 2 Layout, Pin, Contact Size 16, Gold-Plated, 13A (39A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)
	AT04-12PA-P030	12 Position, Receptacle, 4 Pin AT x 3 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (13A Total)
	AT04-12PB-P030	12 Position, Receptacle, 4 Pin AT x 3 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (13A Total)

Image	Part Number	Description	Contact Size	Amperage
	AT04-12PA-P031	12 Position, Receptacle, 4 Pin AT x 3 Layout, Pin, Contact Size 16, Gold-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (13A Total)
	AT04-12PB-P031	12 Position, Receptacle, 4 Pin AT x 3 Layout, Pin, Contact Size 16, Gold-Plated, 13A (13A Total), 250V, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (13A Total)
	AT04-12PA-P075	12 Position, Receptacle, 3 Pin AT x 4 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (26A Total), 250V, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (26A Total)



HYPERBUSS™ ATP



HYPERBUSS™ ATP Bussed Receptacles

Available in 2, 4 and 6 position

Amphenol Sine Systems' **HYPERBUSS™ ATP Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 and IP69K rating (in mated condition), the HYPERBUSS™ ATP Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATP Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 12 contacts
- Available Keyed A, B, C, D or Blank
- Sealed Intergrated Bussed Feedback Assembly
- IP68 and IP69K Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with ATP Series™ Plugs and other industry connectors

IP68 IP69K

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

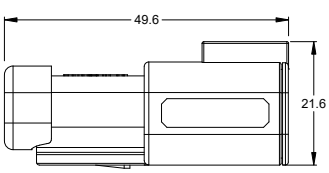
HYPERBUSS™ ATP - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68 and IP69K
Contact Size	12
Max. Current (Amperage)	25A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

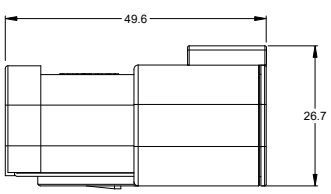
Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Annodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Pending Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATP - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

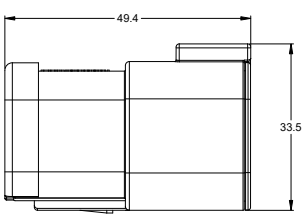
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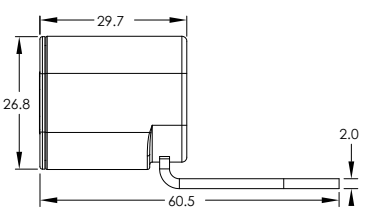
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ATP04-6Px-xxxx



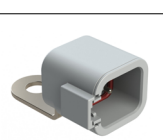
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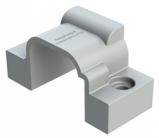
IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

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HYPERBUSS™ ATP - Bussed Receptacles
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Contact Size	Amperage
	ATP04-2P-P060	2 Position, Receptacle, 2 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A, 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Black Body	12	25A
	ATP04-2PA-P060	2 Position, Receptacle, 2 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A, 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Black Body	12	25A
	ATP04-2PB-P060	2 Position, Receptacle, 2 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A, 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Black Body	12	25A
	ATP04-2PC-P060	2 Position, Receptacle, 2 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A, 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed C, Solid Rear Seal, End Cap, Black Body	12	25A
	ATP04-2PD-P060	2 Position, Receptacle, 2 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A, 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed D, Solid Rear Seal, End Cap, Black Body	12	25A
	ATP04-4P-P021	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Grey Body	12	25A (50A Total)
	ATP04-4PA-P021	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Grey Body	12	25A (50A Total)
	ATP04-4PB-P021	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Grey Body	12	25A (50A Total)
	ATP04-4PC-P021	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed C, Solid Rear Seal, End Cap, Grey Body	12	25A (50A Total)
	ATP04-4PD-P021	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed D, Solid Rear Seal, End Cap, Grey Body	12	25A (50A Total)
	ATP04-4P-EP13	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Black Body	12	25A (50A Total)
	ATP04-4PA-EP13	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Black Body	12	25A (50A Total)
	ATP04-4PB-EP13	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Black Body	12	25A (50A Total)
	ATP04-4PC-EP13	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed C, Solid Rear Seal, End Cap, Black Body	12	25A (50A Total)
	ATP04-4PD-EP13	4 Position, Receptacle, 4 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (50A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed D, Solid Rear Seal, End Cap, Black Body	12	25A (50A Total)
	ATP04-6P-P021	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Grey Body	12	25A (75A Total)
	ATP04-6PA-P021	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Grey Body	12	25A (75A Total)
	ATP04-6PB-P021	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Grey Body	12	25A (75A Total)
	ATP04-6P-EP13	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6PA-EP13	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6PB-EP13	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6P-EP14	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Blank Keyed, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6PA-EP14	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6PB-EP14	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (75A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Solid Rear Seal, End Cap, Black Body	12	25A (75A Total)
	ATP04-6PA-BUS	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (150A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed A, Grey Body	12	25A (150A Total)
	ATP04-6PB-BUS	6 Position, Receptacle, 6 Pin ATP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (150A Total), 250V, HYPERBUSS™ ATP, Integrated Latch, Keyed B, Black Body	12	25A (150A Total)

HYPERBUSS™ ATP Series™ - Accessories

Image	Part Number	Description	Contact Size	Amperage
	ATP04-6PX-TYD	6 Position, Receptacle Tie Down, HYPERBUSS™ ATP, Gray Body For use with HYPERBUSS™ ATP Receptacle: ATP04-6PA/B-BUS	-	-



HB HYPERBUSS™ ATV



HYPERBUSS™ ATV Bussed Receptacles

Available in 18 position

Amphenol Sine Systems' **HYPERBUSS™ ATV Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 rated (in mated condition), the HYPERBUSS™ ATV Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATV Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Size 16 contacts
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Intergrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard ATV Series™ Plugs and other industry connectors

IP68

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

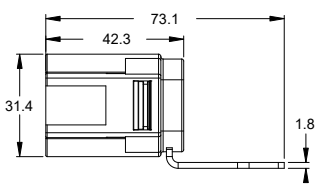
HYPERBUSS™ ATV - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Annodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATV - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

ATV04-18Px-BUS

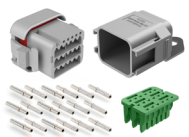


IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

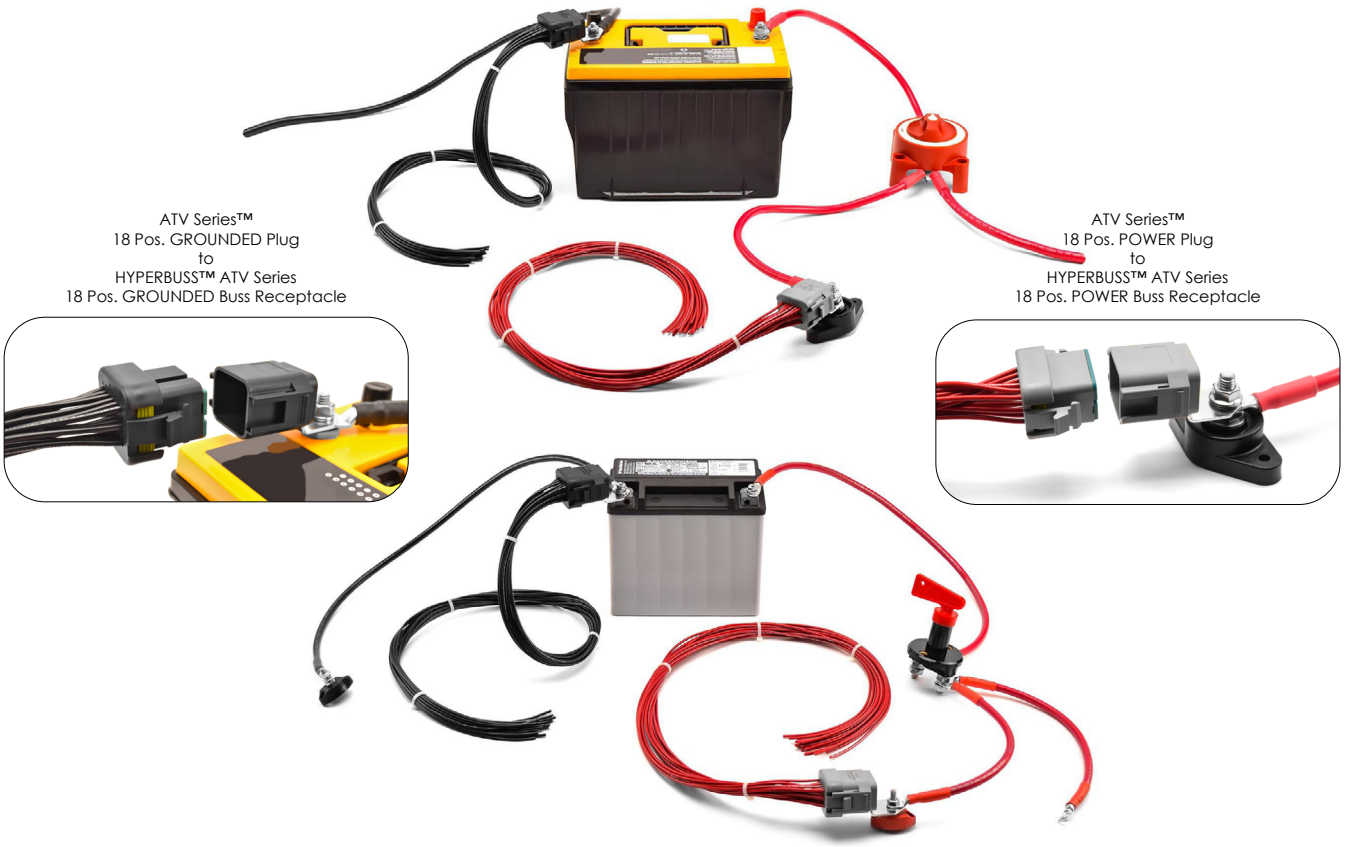
HYPERBUSS™ ATV - Bussed Receptacles
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Contact Size	Amperage
	ATV04-18PA-BUS	18 Position, Receptacle, 18 Pin ATV x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (230A Total), 250V, HYPERBUSS™ ATV, Keyed A, Grey Body	16	13A (230A Total)
	ATV04-18PB-BUS	18 Position, Receptacle, 18 Pin ATV x 1 Layout, Pin, Contact Size 16, Nickel-Plated, 13A (230A Total), 250V, HYPERBUSS™ ATV, Keyed B, Black Body	16	13A (230A Total)

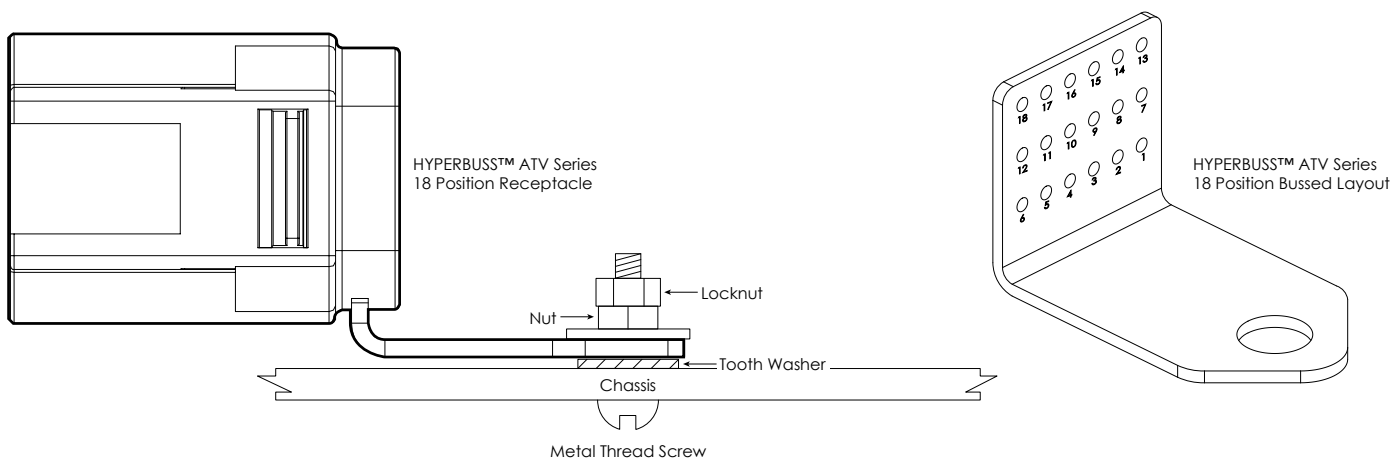
HYPERBUSS™ ATV - Kits
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

	ATV46-18PSA-BUS-CKIT	18 Position, Receptacle and Plug Kit, 18 Pin ATV x 1 Layout, Pin and Socket, Contact Size 16, Nickel-Plated, 13A (230A Total), 250V, HYPERBUSS™ ATV, Keyed A, Grey Body, Wedgelock Included Contains: (1) 18 Position, Receptacle, HYPERBUSS™ ATV, Key B, Black Body (1) 18 Position, Plug, ATV Series™, Key B, Black Body	16	13A (230A Total)
	ATV46-18PSB-BUS-CKIT	18 Position, Receptacle and Plug Kit, 18 Pin ATV x 1 Layout, Pin and Socket, Contact Size 16, Nickel-Plated, 13A (230A Total), 250V, HYPERBUSS™ ATV, Keyed B, Black Body, Wedgelock Included Contains: (1) 18 Position, Receptacle, HYPERBUSS™ ATV, Key B, Black Body (1) 18 Position, Plug, ATV Series™, Key B, Black Body	16	13A (230A Total)

HYPERBUSS™ ATV - Sample Architecture: Plug and Play Battery GROUND/Battery POWER Buss System



HYPERBUSS™ ATV - Sample Architecture: Plug and Play Chassis GROUND Buss System





HB HYPERBUSS™ PSM
POWER & SIGNAL MANAGEMENT



HYPERBUSS™ PSM Bussed Receptacle Blocks

Available in a variety of layout configurations

Amphenol Sine Systems' **HYPERBUSS™ PSM (Power & Signal Management) Bussed Receptacle Blocks** are environmentally sealed, multi-pin, heavy duty, thermoplastic connectors for use in applications where a common "bussed" electrical pathway is required in a condensed footprint, providing an effective way to connect multiple devices to one block. Our HYPERBUSS™ PSM Bussed Receptacle Blocks contain integrated latches to ensure proper mating with their respective AT, ATP or ATHD Series™ plugs, as well as industry standard connectors.

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features (Depending on layout arrangement)

- Connects multiple devices into one integrated bussed feedback assembly
- Meets SAE/SAEJ1939 requirements for CAN Bus applications
- Combines Power and Ground in one block
- Reduced cost by eliminating excessive wiring
- Potted block and sealed connections prevent corrosion found on open screw bus bars
- Integrated latches for mating
- IP68 and/or IP69K rated (in mated condition), depending on layout
- Intermateable with standard AT, ATP or ATHD Series™ plugs and other industry connectors
- 13A-225A range



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

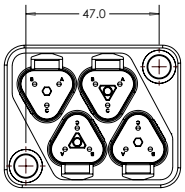
HYPERBUSS™ PSM - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68 and/or IP69K rated, depending on layout
Contact Size	Size 4, Size 12 or Size 16
Max. Current (Amperage)	13A-225A
Max Voltage Rating	250V (See individual datasheets)
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined
Contact Material	Copper Alloy, Nickel or Gold Plated
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)

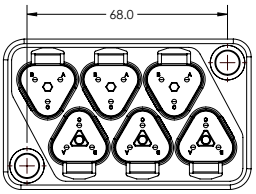
IP Ratings
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

HYPERBUSS™ PSM - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

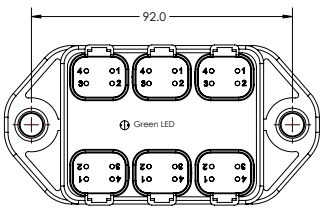
AT04-3PBM02J1939-X401



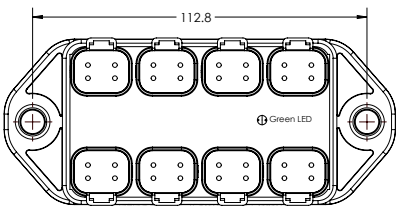
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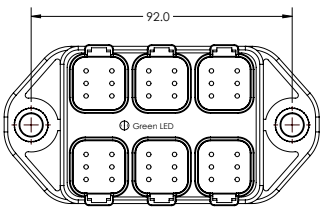
AT04-4PBM04-X601



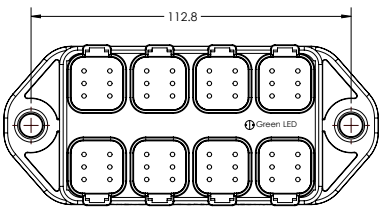
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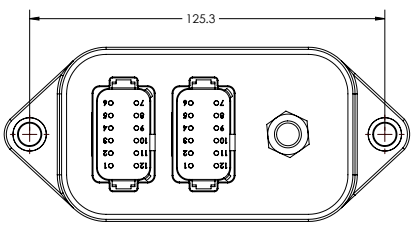
AT04-6PBM04-X601



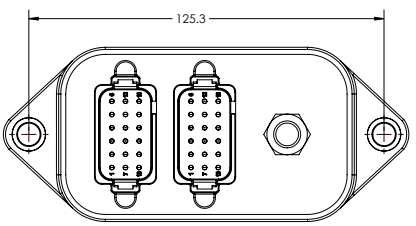
AT04-6PBM04-X801



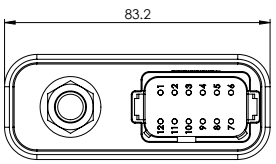
AT04-12PABM04-X2-TS01



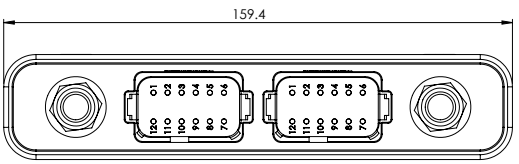
AT04-18PABM14-X2-TS01



AT04-1X12PATS01-RAMB

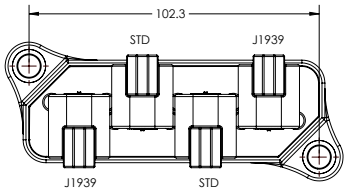


AT04-2X12PATS01-RAMRB

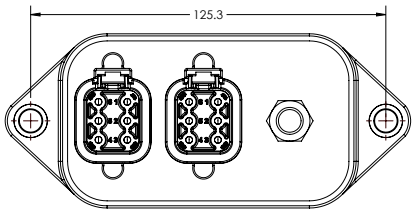


HYPERBUSS™ PSM - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

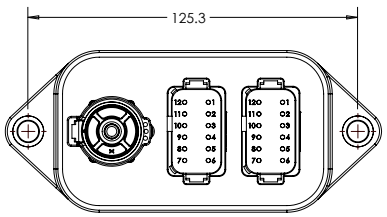
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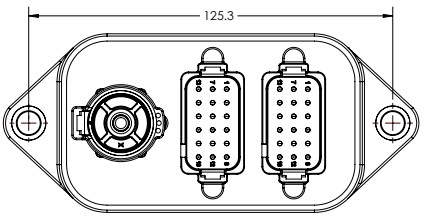
ATP04-06PBM14-X2-TS01



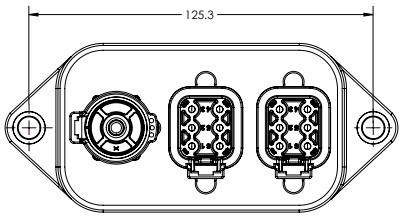
ATHD041-4PBM14-AT12PABM04-X201



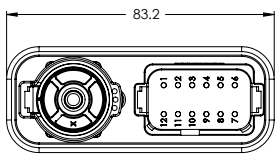
ATHD041-4PBM14-AT18PABM14-X201



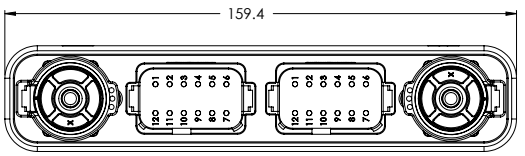
ATHD041-4PBM14-ATP06PBM14-X201



ATHD041-1X12PA14P-RAMB



ATHD041-2X12PA14P-RAMRB



HYPERBUSS™ PSM - AT Series™ Bussed Receptacle Blocks
Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Contact Size	Amperage
	AT04-3PBM02J1939-X401	12 Position, J1939, Splitter Receptacle, 3 Pin AT x 4 Layout, Pin, Straight, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	16	13A
	AT04-3PBM02J1939-X601	18 Position, J1939, Splitter Receptacle, 3 Pin AT x 6 Layout, Pin, Straight, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	16	13A
	AT04-4PBM04-X601	24 Position, Splitter Receptacle, 4 Pin AT x 6 Layout, Pin, Straight, Contact Size 16, Nickel-Plated, 13A, 250V, HYPERBUSS™ PSM, Green LED, Potting, Black Body	16	13A
	AT04-4PBM04-X801	32 Position, Splitter Receptacle, 4 Pin AT x 8 Layout, Pin, Straight, Contact Size 16, Nickel-Plated, 13A, 250V, HYPERBUSS™ PSM, Green LED, Potting, Black Body	16	13A
	AT04-6PBM04-X601	36 Position, Splitter Receptacle, 6 Pin AT x 6 Layout, Pin, Straight, Contact Size 16, Nickel-Plated, 13A, 250V, HYPERBUSS™ PSM, Green LED, Potting, Black Body	16	13A
	AT04-6PBM04-X801	48 Position, Splitter Receptacle, 6 Pin AT x 8 Layout, Pin, Straight, Contact Size 16, Nickel-Plated, 13A, 250V, HYPERBUSS™ PSM, Green LED, Potting, Black Body	16	13A

	AT04-12PABM04-X2-TS01	25 Positon, Power Splitter Receptacle, 1 Threaded Stud x 1 and 12 Pin AT x 2 Layout, Pin, Straight, Contact Size 16, Nickel-Plated, 13A (225A Total), 250V, HYPERBUSS™ PSM, Potting, Keyed A, Black Body	16	13A (225A Total)
	AT04-18PABM14-X2-TS01	37 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 18 Pin AT x 2 Layout, Pin, Straight, Straight, 13A (225A Total), 250V, HYPERBUSS™ PSM, Potting, Keyed A, Black Body	16	13A (225A Total)

	AT04-1X12PATS01-RAMB	13 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 12 Pin AT x 1 Layout, Right Angle Mount, Pin, Straight, Contact Size 16, Nickel-Plated, 13A (150A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	16	13A (150A Total)
	AT04-1X12PATS01-RAMR	13 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 12 Pin AT x 1 Layout, Right Angle Mount, Pin, Straight, Contact Size 16, Nickel-Plated, 13A (150A Total), 250V, HYPERBUSS™ PSM, Potting, Red Body	16	13A (150A Total)

Image	Part Number	Description	Contact Size	Amperage
	AT04-2X12PATS01-RAMRB	26 Position, Power Splitter Receptacle, 1 Threaded Stud x 2 and 12 Pin AT x 2 Layout, Right Angle Mount, Pin, Straight, Contact Size 16, Nickel-Plated, 13A (150A Total), 250V, HYPERBUSS™ PSM, Potting, Black/ Red Body	16	13A (150A Total)

HYPERBUSS™ PSM - BoardLock™ ATF13 Series Bussed Receptacle Blocks
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

	ATF13-3PBM31J1939-X401	12 Position, J1939, Splitter Receptacle, 3 Pin ATF x 4 Layout, Pin, Right Angle, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	12	13A

HYPERBUSS™ PSM - ATP Series™ Bussed Receptacle Blocks
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

	ATP04-06PBM14-X2-TS01	13 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 6 Pin ATP x 2 Layout, Pin, Straight, Contact Size 12, Nickel-Plated, 25A (225A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	12	25A (225A Total)

HYPERBUSS™ PSM - AT and ATHD Series™ Bussed Receptacle Blocks
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.

	ATHD041-4PBM14-AT12PABM04-X201	25 Position, Power Splitter Receptacle, 1 Pin ATHD x 1 and 12 Pin AT x 2 Layout, Pin, Straight, Contact Size 4 & 16, Nickel-Plated, 13A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	4, 16	13A (100A Total)
	ATHD041-4PBM14-AT18PABM14-X201	37 Position, Power Splitter Receptacle, 1 Pin ATHD x 1 and 18 Pin AT x 2 Layout, Pin, Straight, Contact Size 4 & 16, Nickel-Plated, 13A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	4, 16	13A (100A Total)
	ATHD041-4PBM14-ATP06PBM14-X201	13 Position, Power Splitter Receptacle, 1 Pin ATHD x 1 and 6 Pin ATP x 2 Layout, Pin, Straight, Contact Size 12, Nickel-Plated, 25A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	12	25A (100A Total)

	ATHD041-1X12PA14P-RAMB	13 Position, Power Splitter Receptacle, 1 Pin ATHD x 1 and 12 Pin AT x 1 Layout, Right Angle Mount, Pin, Straight, Contact Size 4 & 16, Nickel-Plated, 13A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black Body	4, 16	13A (100A Total)
	ATHD041-1X12PA14P-RAMR	13 Position, Power Splitter Receptacle, 1 Pin ATHD x 1 and 12 Pin AT x 1 Layout, Right Angle Mount, Pin, Straight, Contact Size 4 & 16, Nickel-Plated, 13A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black/ Red Body	4, 16	13A (100A Total)
	ATHD041-2X12PA14P-RAMRB	26 Position, Power Splitter Receptacle, 1 Pin ATHD x 2 and 12 Pin AT x 2 Layout, Right Angle Mount, Pin, Straight, Contact Size 4 & 16, Nickel-Plated, 13A (100A Total), 250V, HYPERBUSS™ PSM, Potting, Black/ Red Body	4, 16	13A (100A Total)



DM DuraMate™ AHDP with HYPERBUSS™



DuraMate™ AHDP Bussed Receptacles

Available in 16 position

Amphenol Sine Systems' **DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 and IP69K rated (in mated condition), the DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles contain an economical, quick-connect, circular, bayonet locking system to ensure proper mating with standard DuraMate™ AHDP plugs, as well as industry standard connectors,

Buss: a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Key Features

- Includes Bolt, Nut and Washers
- Available in Power (Red) or Ground (Black)
- Sealed (potted) Intergrated Bussed Feedback Assembly
- IP68 and IP69K rated (in mated condition)
- Quick-connect, circular, bayonet coupling system
- Intermateable with standard DuraMate™ AHDP plugs



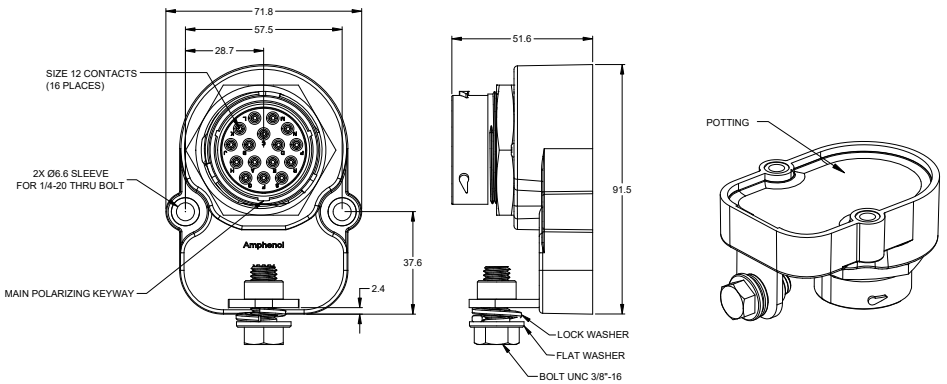
Applications: Heavy Duty, Transportation, Marine, Military, Alternative Energy, Agricultural and other interconnect

DuraMate™ AHDP with HYPERBUSS™ - Specifications (Ref Individual Datasheets)

IP Rating (in mated condition)	IP68 and IP69K
Contact Size	12
Max. Current (Amperage)	25A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Quick-Connect, Circular Bayonet
Housing Body	Thermoplastic
Contact Types	Machined
Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Annodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	-

IP Ratings
IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

DuraMate™ AHDP with HYPERBUSS™ - Bussed Receptacle Dimensions (mm)
Note: Refer to individual datasheets on **www.amphenol-sine.com** for full specs, faceviews, keying location and product dimensions.



DuraMate™ AHDP with HYPERBUSS™ - Bussed Receptacles **For intermateable DuraMate™ AHDP Series plugs (AHDP06-), refer to our website**

Image	Part Number	Description	Contact Size	Amperage
	AHDPHB04-24-16P-BLK-CN	Shell Size 24, Receptacle, 16 Pin AHDP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (400A Max), 250V, DuraMate AHDP w HYPERBUSS™, Potting, Black Body (Includes bolt, nut and washers)	12	25A (400A Max)
	AHDPHB04-24-16P-RED-CN	Shell Size 24, Receptacle, 16 Pin AHDP x 1 Layout, Pin, Contact Size 12, Nickel-Plated, 25A (400A Max), 250V, DuraMate AHDP w HYPERBUSS™, Potting, Red Body (Includes bolt, nut and washers)	12	25A (400A Max)

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