



# 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 or IP69K rating (in mated condition), depending on Series, 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.

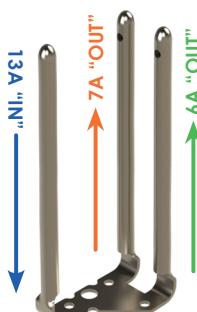


### Key Features

- Sealed Integrated 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)
- IP67, IP68 or IP69K rated (in mated condition), depending on Series

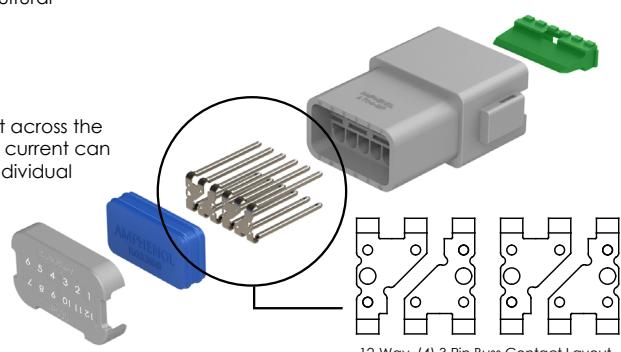


**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural



### 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 17A. See individual datasheets for exact specifications for each part number.



### 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)



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



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

HYPERBUSS™ AT - 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 Anodized
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

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)



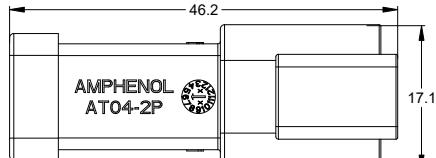
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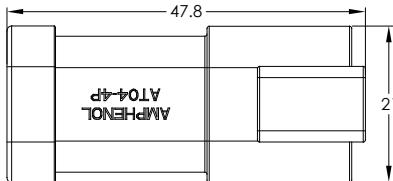
**HYPERBUSS™ AT - Bussed Receptacle Dimensions (mm)**

**Note:** Refer to individual datasheets on [www.amphenol-sine.com](http://www.amphenol-sine.com) for full specs, faceviews, keying location and product dimensions.

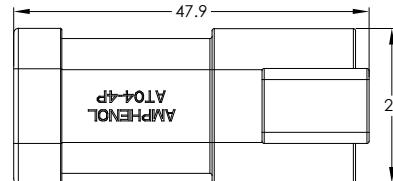
AT04-2P-xxxx



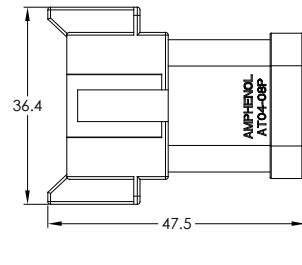
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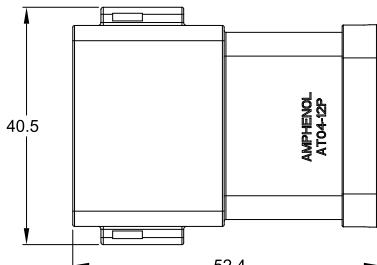
AT04-6P-xxxx



AT04-08Px-xxx



AT04-12Px-xxx

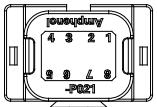
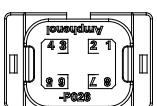
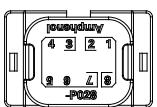


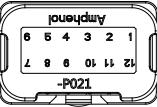
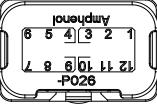
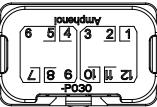
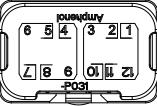
**HYPERBUSS™ AT - Bussed Receptacles** [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		AT04-2P-P060	2 Pos, Receptacle, Size 16 Contacts, (1) 2 Pin, Nickel, HYPERBUSS™ AT, Black Body	16	13A (13A Total)
		AT04-4P-EP13	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSS™ AT, Black Body	16	13A (26A Total)
		AT04-4P-P021	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSS™ AT, Grey Body	16	13A (26A Total)

		AT04-6P-EP13	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSS™ AT, Black Body	16	13A (39A Total)
		AT04-6P-EP14	6 Pos, Receptacle, Size 16 Contacts, (2) 3 Pin, Nickel, HYPERBUSS™ AT, Black Body	16	13A (13A Total)
		AT04-6P-P021	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSS™ AT, Grey Body	16	13A (39A Total)

HYPERBUSS™ AT - Bussed Receptacles [For Intermateable AT Series plugs \(AT06-\)](#) refer to our website

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		AT04-08PA-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (52A Total)
		AT04-08PB-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (52A Total)
		AT04-08PA-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (26A Total)
		AT04-08PB-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (26A Total)
		AT04-08PA-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-08PB-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)

		AT04-12PA-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (78A Total)
		AT04-12PA-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (78A Total)
		AT04-12PA-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-12PB-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)
		AT04-12PB-P027	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Gold, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (39A Total)
		AT04-12PA-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (13A Total)
		AT04-12PA-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSS™ AT, Keyed B, Black Body	16	13A (13A Total)

HYPERBUSS™ AT - Bussed Receptacles [For Intermateable AT Series plugs \(AT06-\), refer to our website](#)

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		AT04-12PA-P075	12 Pos, Receptacle, Size 16 Contacts, (3) 4 Pin, Nickel, HYPERBUSS™ AT, Keyed A, Grey Body	16	13A (26A Total)



# HYPERBUSS™ ATP

## HYPERBUSS™ ATP Bussed Receptacles

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



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

HYPERBUSS™ ATP - Specifications (Reference Individual Datasheets)

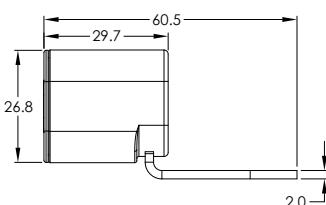
IP Rating (in mated condition)	IP68
Contact Size	12
Max. Current (Amperage)	25A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
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](http://www.amphenol-sine.com) for full specs, faceviews, keying location and product dimensions.

ATP04-6P-xxxx



### IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)

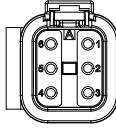
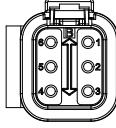
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)

IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)



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HYPERBUSS™ ATP Series - Bussed Receptacles [For intermateable ATP Series plugs \(ATP06-\), refer to our website](#)

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		ATP04-6PA-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSS™ ATP, Keyed A, Grey Body	12	25A (150A Total)
		ATP04-6PB-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSS™ ATP, 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	-	-



# 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 IP69K rated (in mated condition)
- 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 IP69K rated
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

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)

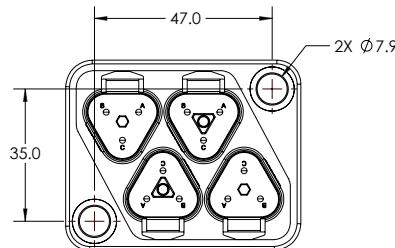


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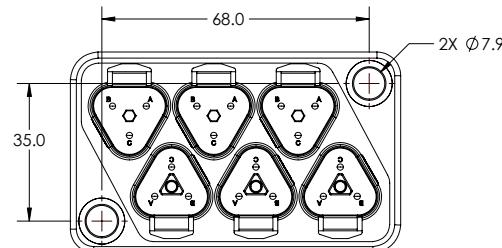
HYPERBUSS™ PSM - Bussed Receptacle Dimensions (mm)

**Note:** Refer to individual datasheets on [www.amphenol-sine.com](http://www.amphenol-sine.com) for full specs, faceviews, keying location and product dimensions.

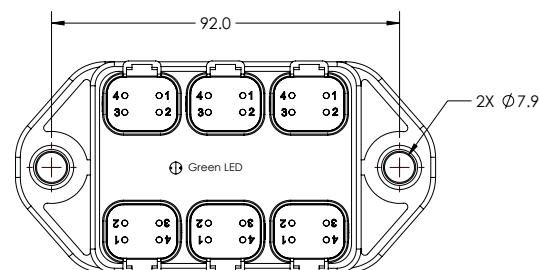
AT04-3PBM02J1939-X401



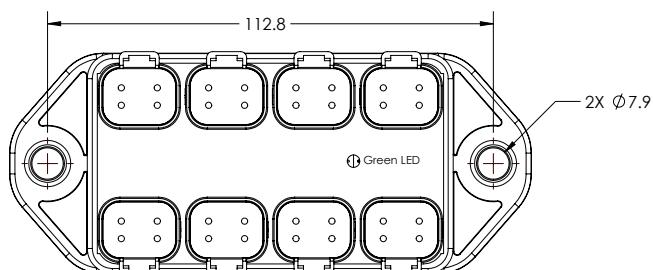
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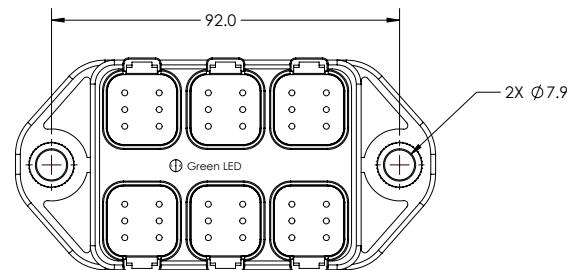
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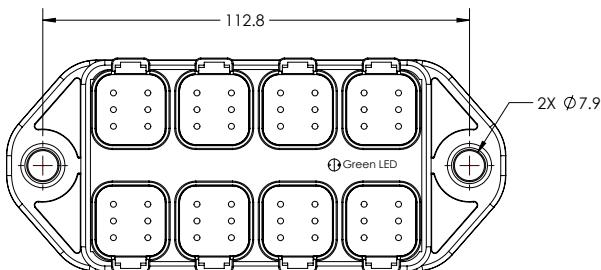
AT04-4PBM04-X801



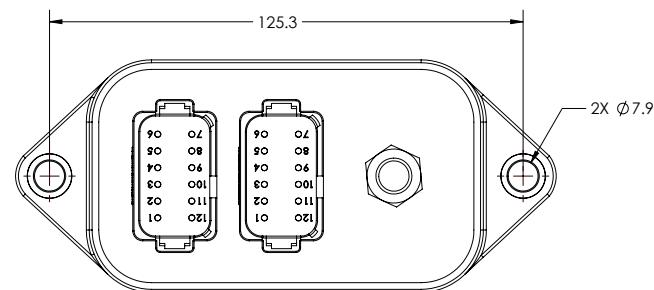
AT04-6PBM04-X601



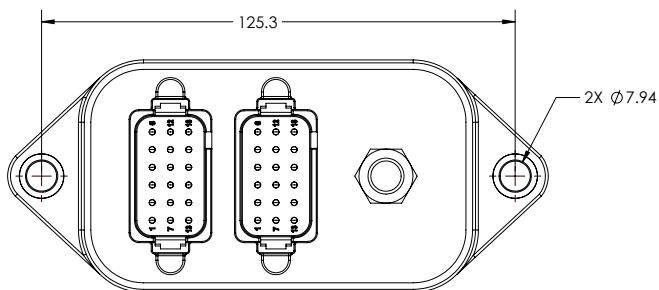
AT04-6PBM04-X801



AT04-12PABM04-X2-TS01



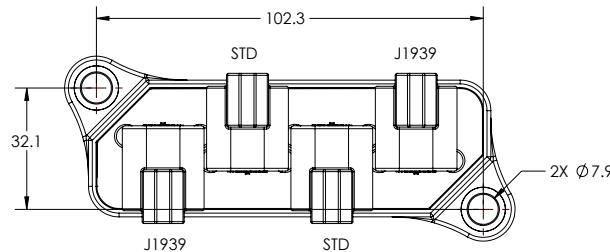
AT04-18PABM14-X2-TS01



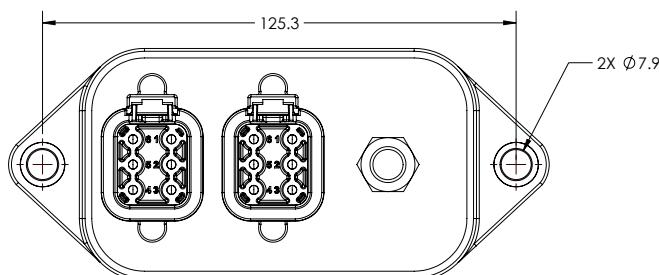
HYPERBUSSTM PSM - Bussed Receptacle Dimensions (mm)

**Note:** Refer to individual datasheets on [www.amphenol-sine.com](http://www.amphenol-sine.com) for full specs, faceviews, keying location and product dimensions.

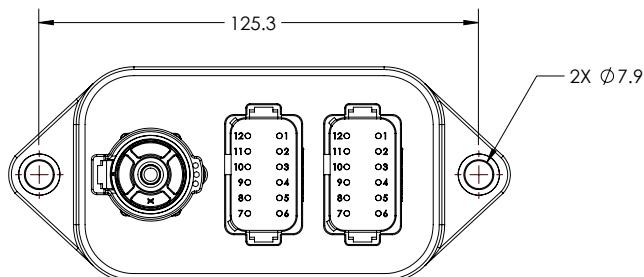
ATF13-3PBM31J1939-X401



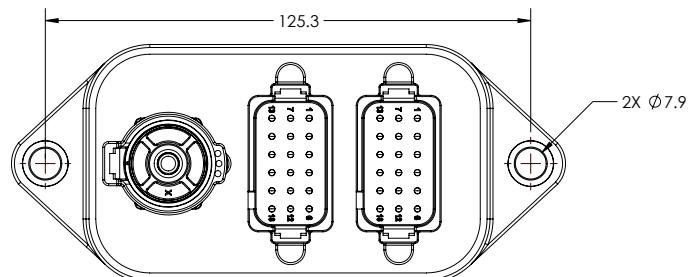
ATP04-06PBM14-X2-TS01



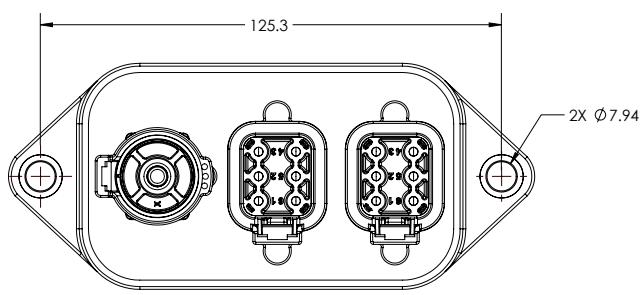
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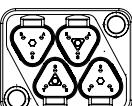
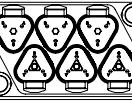
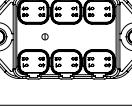
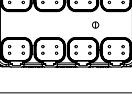
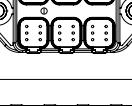
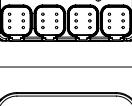
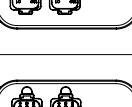
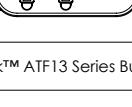
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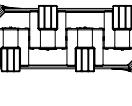
ATHD041-4PBM14-ATP06PBM14-X201



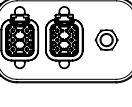
HYPERBUSS™ PSM - AT Series™ Bussed Receptacle Blocks [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		AT04-3PBM02J1939-X401	12 Position, J1939, Splitter Receptacle, 3 Pin x 4 Layout, Straight, Pin, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	16	13A
		AT04-3PBM02J1939-X601	18 Position, J1939, Splitter Receptacle, 3 Pin x 6 Layout, Straight, Pin, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	16	13A
		AT04-4PBM04-X601	24 Position, Splitter Receptacle, 4 Pin x 6 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A, HYPERBUSS™ PSM, Green LED, Potting, Black Body See individual datasheet for voltage rating w LED.	16	13A
		AT04-4PBM04-X801	32 Position, Splitter Receptacle, 4 Pin x 8 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A, HYPERBUSS™ PSM, Green LED, Potting, Black Body See individual datasheet for voltage rating w LED.	16	13A
		AT04-6PBM04-X601	36 Position, Splitter Receptacle, 6 Pin x 6 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A, HYPERBUSS™ PSM, Green LED, Potting, Black Body See individual datasheet for voltage rating w LED.	16	13A
		AT04-6PBM04-X801	48 Position, Splitter Receptacle, 6 Pin x 8 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A, HYPERBUSS™ PSM, Green LED, Potting, Black Body See individual datasheet for voltage rating w LED.	16	13A
		AT04-12PABM04-X2-TS01	25 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 12 Pin x 2 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A/225A, 250V, HYPERBUSS™ PSM, Potting, Keyed A, Black Body	16	13A, 225A
		AT04-18PABM14-X2-TS01	37 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 18 Pin x 2 Layout, Straight, Pin, Contact Size 16, Nickel-Plated, 13A/225A, 250V, HYPERBUSS™ PSM, Potting, Keyed A, Black Body	16	13A, 225A

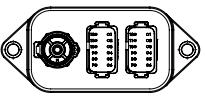
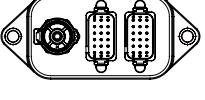
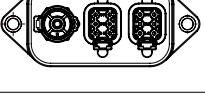
 HYPERBUSS™ PSM - BoardLock™ ATF13 Series Bussed Receptacle Blocks [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

		ATF13-3PBM31J1939-X401	12 Position, J1939, Splitter Receptacle, 3 Pin x 4 Layout, Right Angle, Pin, Contact Size 16, Gold-Plated, 13A, 250V, HYPERBUSS™ PSM, Potting, Black Body	12	13A
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 HYPERBUSS™ PSM - ATP Series™ Bussed Receptacle Blocks [For intermateable ATP Series plugs \(ATP06-\), refer to our website](#)

		ATP04-06PBM14-X2-TS01	13 Position, Power Splitter Receptacle, 1 Threaded Stud x 1 and 6 Pin x 2 Layout, Straight, Pin, Contact Size 12, Nickel-Plated, 25A/225A, 250V, HYPERBUSS™ PSM, Potting, Black Body	12	25A, 225A
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HYPERBUSS™ PSM - ATHD Series™ Bussed Receptacle Blocks [For intermateable ATHD Series plugs \(ATHD06-\), refer to our website](#)

Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		ATHD041-4PBM14-AT12PABM04-X201	25 Position, Power Splitter Receptacle, 1 Pin x 1 and 12 Pin x 2 Layout, Straight, Pin, Contact Size 4 & 16, Nickel-Plated, 13A/100A, 250V, HYPERBUSS™ PSM, Potting, Black Body	4, 16	13A, 100A
		ATHD041-4PBM14-AT18PABM14-X201	37 Position, Power Splitter Receptacle, 1 Pin x 1 and 18 Pin x 2 Layout, Straight, Pin, Contact Size 4 & 16, Nickel-Plated, 13A/100A, 250V, HYPERBUSS™ PSM, Potting, Black Body	4, 16	13A, 100A
		ATHD041-4PBM14-ATP06PBM14-X201	13 Position, Power Splitter Receptacle, 1 Pin x 1 and 6 Pin x 2 Layout, Straight, Pin, Contact Size 12, Nickel-Plated, 25A/100A, 250V, HYPERBUSS™ PSM, Potting, Black Body	12	25A, 100A



# 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



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

### HYPERBUSS™ ATV - Specifications (Reference Individual Datasheets)

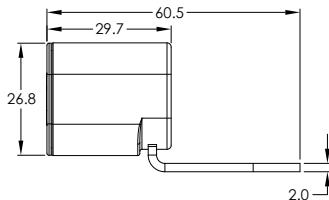
IP Rating (In mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each
Max Voltage Rating	250V
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
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](http://www.amphenol-sine.com) for full specs, faceviews, keying location and product dimensions.

ATP04-6P-xxxx



### IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)

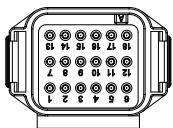
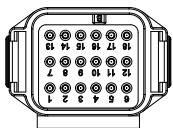
IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)

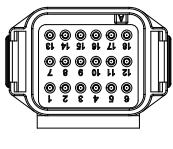
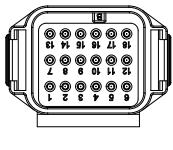
IP6K9K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)



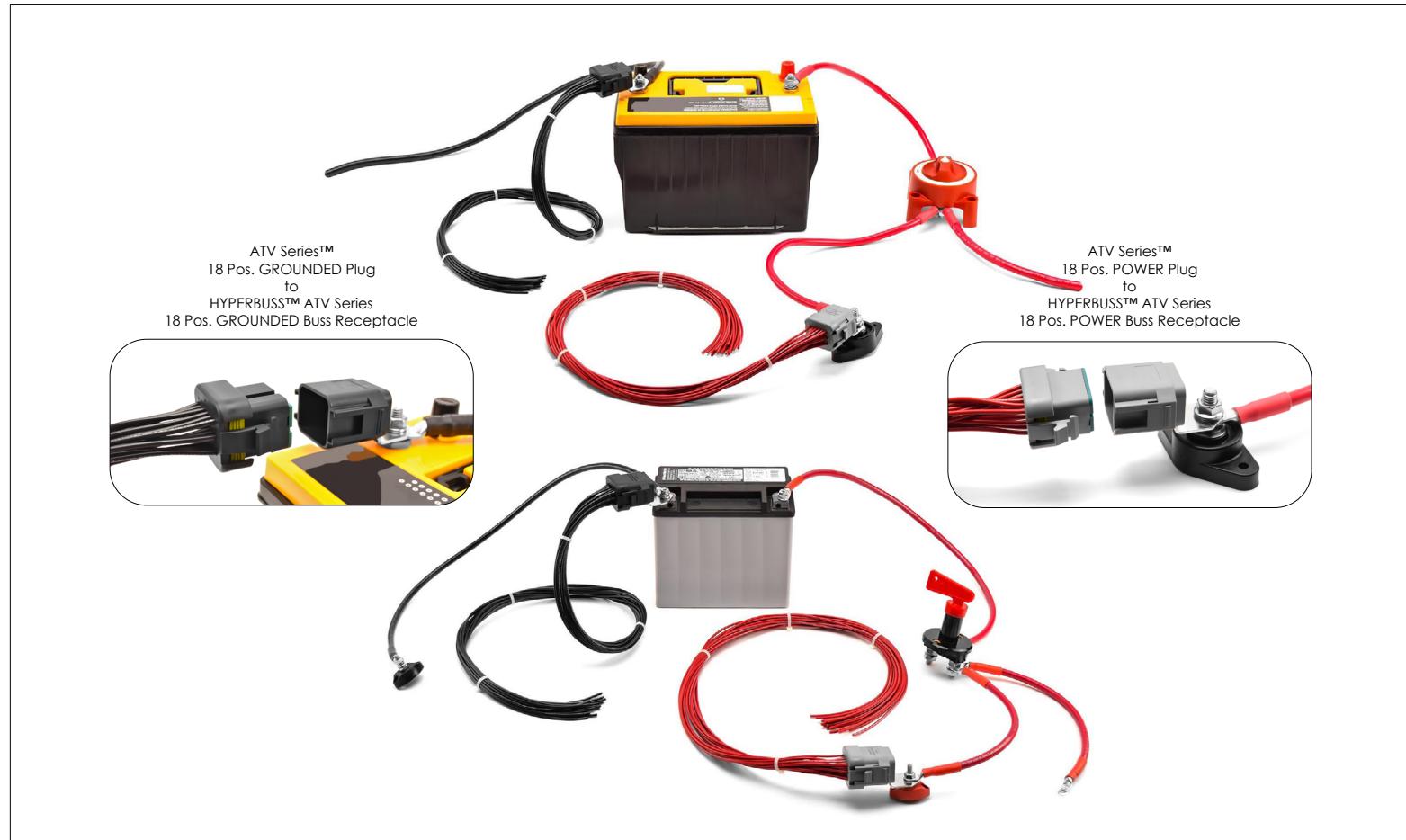
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HYPERBUSS™ ATV - Bussed Receptacles [For intermateable ATV Series plugs \(ATV06-\), refer to our website](#)

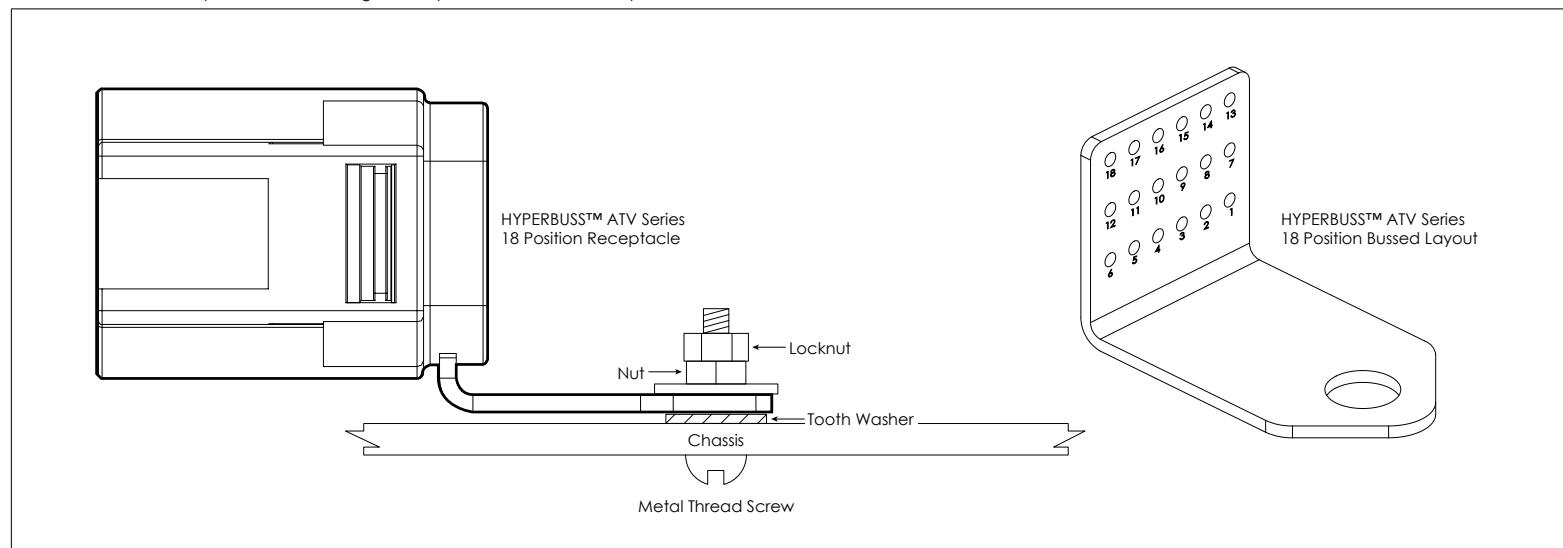
Image	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		ATV04-18PA-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUSS™ ATV, Key A, Grey Body	16	13A (230A Total)
		ATV04-18PB-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUSS™ ATV, Key B, Black Body	16	13A (230A Total)

		ATV46-18PSA-BUS-CKIT	KIT: 18 Position, HYPERBUSS™ ATV Series, Keyed A Contains: (1) 18 Position, Receptacle, HYPERBUSS™ ATV, Key A, Grey Body Contains: (1) 18 Position, Plug, ATV Series™, Key A, Grey Body	16	13A (230A Total)
		ATV46-18PSB-BUS-CKIT	KIT: 18 Position, HYPERBUSS™ ATV Series, Keyed B Contains: (1) 18 Position, Receptacle, HYPERBUSS™ ATV, Key B, Black Body Contains: (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





# 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 Anodized
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)

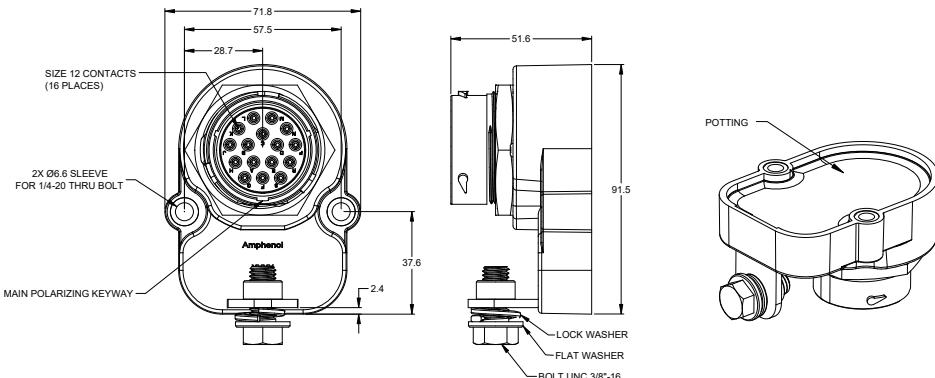
IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)



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DuraMate™ AHDP with HYPERBUSS™ - Bussed Receptacle Dimensions (mm)

Note: Refer to individual datasheets on [www.amphenol-sine.com](http://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	Pin Layout/Faceview	Part Number	Description	Contact Size	Amperage
		AHDPHB04-24-16P-BLK-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Black Body (Includes bolt, nut and washers)	12	25A (400A Max)
		AHDPHB04-24-16P-RED-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Red Body (Includes bolt, nut and washers)	12	25A (400A Max)