



# HB 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.

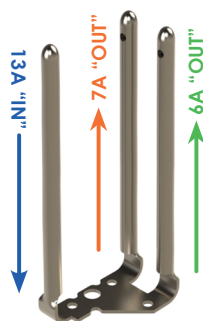


## Key Features

- 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

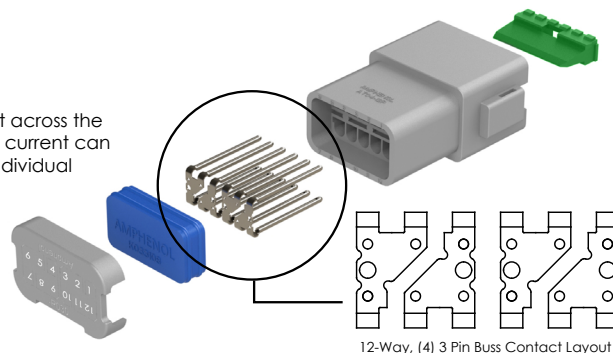


**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural



## 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)



## A ASeries™ Family



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



# HB 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 Intergrated 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)

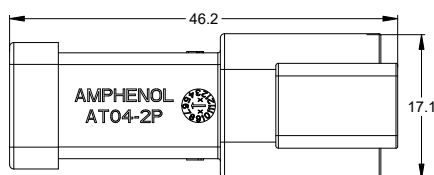


Standard products. Custom solutions  
Customer Service +1 800 394 7732

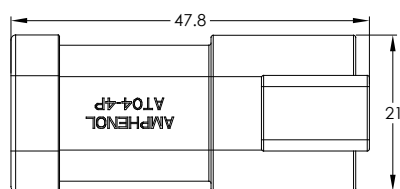
HYPERBUS<sup>™</sup> AT - Bussed Receptacle Dimensions (mm)

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

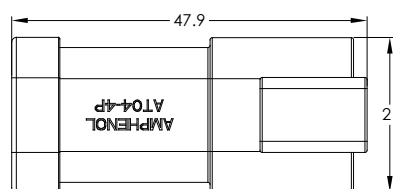
AT04-2P-xxxx



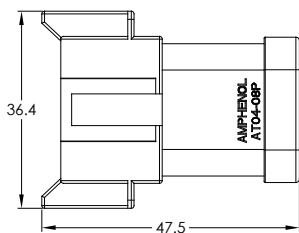
AT04-4P-xxxx



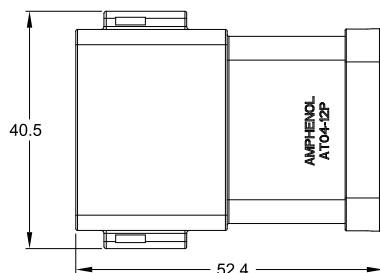
AT04-6P-xxxx



AT04-08Px-xxx



AT04-12Px-xxx



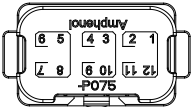
HYPERBUS<sup>™</sup> AT - Bussed Receptacles [For interchangeable AT Series plugs \(AT04-\), refer to our website](http://www.amphenol-sine.com)

| Image | Pin Layout/Faceview | Part Number  | Description                                                                                  | Contact Size | Amperage           |
|-------|---------------------|--------------|----------------------------------------------------------------------------------------------|--------------|--------------------|
|       |                     | AT04-2P-P060 | 2 Pos, Receptacle, Size 16 Contacts, (1) 2 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Black Body | 16           | 13A<br>(13A Total) |
|       |                     | AT04-4P-EP13 | 4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Black Body | 16           | 13A<br>(26A Total) |
|       |                     | AT04-4P-P021 | 4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Grey Body  | 16           | 13A<br>(26A Total) |
|       |                     | AT04-6P-EP13 | 6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Black Body | 16           | 13A<br>(39A Total) |
|       |                     | AT04-6P-EP14 | 6 Pos, Receptacle, Size 16 Contacts, (2) 3 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Black Body | 16           | 13A<br>(13A Total) |
|       |                     | AT04-6P-P021 | 6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Grey Body  | 16           | 13A<br>(39A Total) |

HYPERBUS<sup>™</sup> AT - Bussed Receptacles [For intermateable AT Series plugs \(AT04-\), 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, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body             | 16           | 13A<br>(52A Total) |
|       |                     | AT04-08PB-P021 | 8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body            | 16           | 13A<br>(52A Total) |
|       |                     | AT04-08PA-P026 | 8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body             | 16           | 13A<br>(26A Total) |
|       |                     | AT04-08PB-P026 | 8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body            | 16           | 13A<br>(26A Total) |
|       |                     | AT04-08PA-P028 | 8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body  | 16           | 13A<br>(39A Total) |
|       |                     | AT04-08PB-P028 | 8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body | 16           | 13A<br>(39A Total) |
|       |                     | AT04-12PA-P016 | 12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body             | 16           | 13A<br>(78A Total) |
|       |                     | AT04-12PB-P016 | 12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body            | 16           | 13A<br>(78A Total) |
|       |                     | AT04-12PA-P021 | 12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body           | 16           | 13A<br>(78A Total) |
|       |                     | AT04-12PB-P021 | 12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body          | 16           | 13A<br>(78A Total) |
|       |                     | AT04-12PA-P026 | 12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body            | 16           | 13A<br>(39A Total) |
|       |                     | AT04-12PB-P026 | 12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body           | 16           | 13A<br>(39A Total) |
|       |                     | AT04-12PB-P027 | 12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Gold, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body             | 16           | 13A<br>(39A Total) |
|       |                     | AT04-12PA-P030 | 12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body            | 16           | 13A<br>(13A Total) |
|       |                     | AT04-12PB-P030 | 12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body           | 16           | 13A<br>(13A Total) |
|       |                     | AT04-12PA-P031 | 12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUS <sup>™</sup> AT, Keyed A, Grey Body              | 16           | 13A<br>(13A Total) |
|       |                     | AT04-12PB-P031 | 12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUS <sup>™</sup> AT, Keyed B, Black Body             | 16           | 13A<br>(13A Total) |

HYPERBUS<sup>TM</sup> AT - Bussed Receptacles    [For intermateable AT Series plugs \(AT04-\), 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, HYPERBUS <sup>TM</sup> AT, Keyed A, Grey Body | 16           | 13A<br>(26A Total) |



# HB 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)

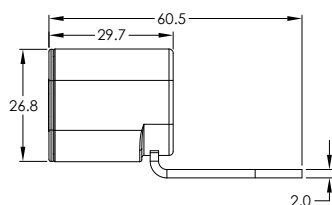
|                                |                  |
|--------------------------------|------------------|
| IP Rating (in mated condition) | IP68             |
| Contact Size                   | 12               |
| Max. Current (Amperage)        | 25A Each         |
| Max Voltage Rating             | 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)

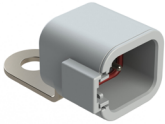
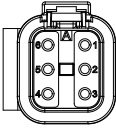
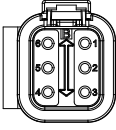


**A Series™ Family**



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

HYPERBUSSTM 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, HYPERBUSSTM ATP, Keyed A, Grey Body  | 12           | 25A<br>(150A Total) |
|                                                                                  |  | ATP04-6PB-BUS | 6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSSTM ATP, Keyed B, Black Body | 12           | 25A<br>(150A Total) |

HYPERBUSSTM ATP SeriesTM - Accessories

| Image                                                                             | Part Number   | Description                                                                                                             | Contact Size | Amperage |
|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------|--------------|----------|
|  | ATP04-6PX-TYD | 6 Position, Receptacle Tie Down, HYPERBUSSTM ATP, Gray Body<br>For use with HYPERBUSSTM 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)
- Interchangeable with standard AT, ATP or ATHD Series™ plugs and other industry connectors
- 13A-300A 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-300A                                                                                       |
| 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)



**A Series™ Family**

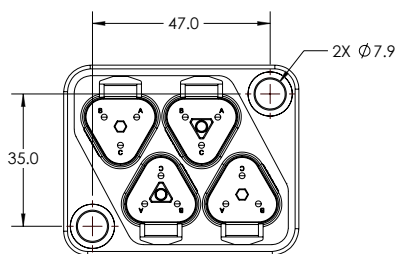


Standard products. Custom solutions  
Customer Service +1 800 394 7732

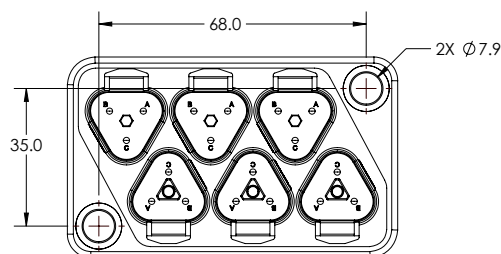
HYPERBUSSTM PSM - Bussed Receptacle Dimensions (mm)

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

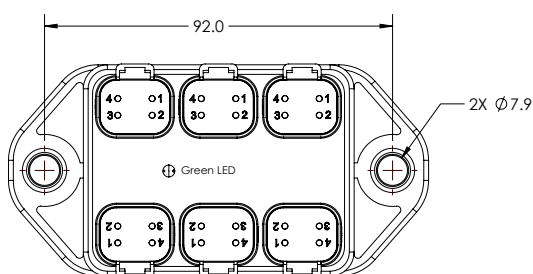
AT04-3PBM02J1939-X401



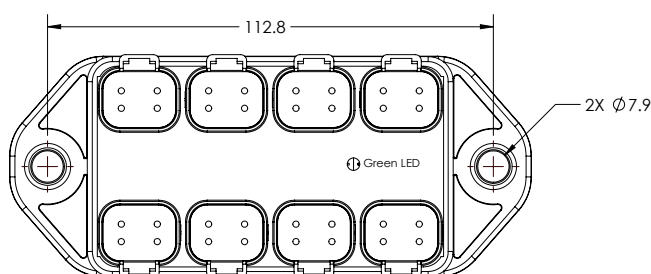
AT04-3PBM02J1939-X601



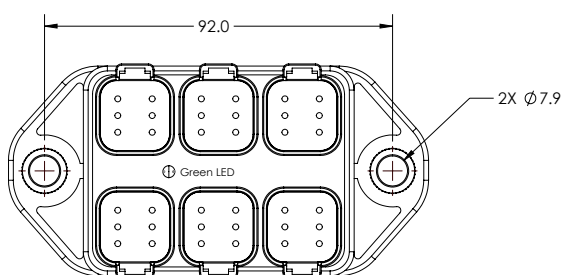
AT04-4PBM04-X601



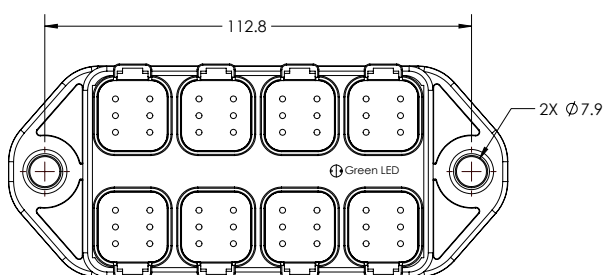
AT04-4PBM04-X801



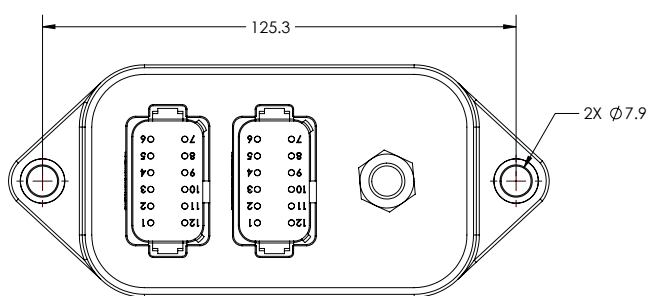
AT04-6PBM04-X601



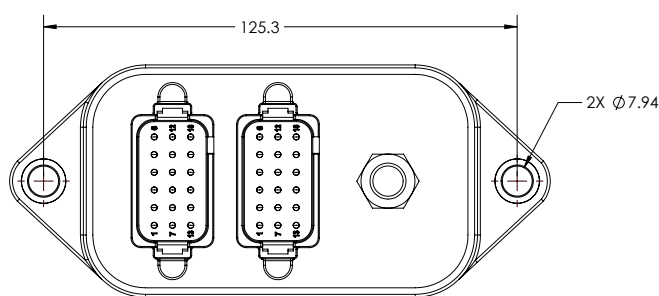
AT04-6PBM04-X801



AT04-12PABM04-X2-TS01



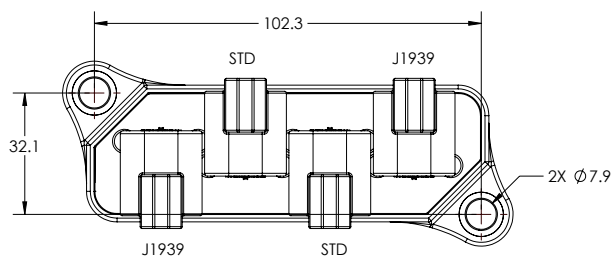
AT04-18PABM14-X2-TS01



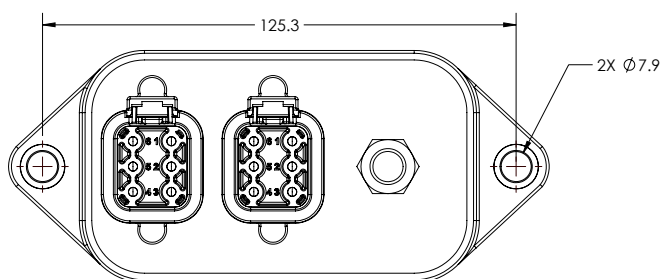
HYPERBUSSTM PSM - Bussed Receptacle Dimensions (mm)

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

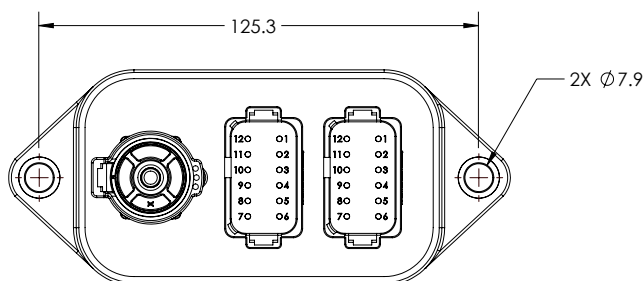
ATF13-3PBM31J1939-X401



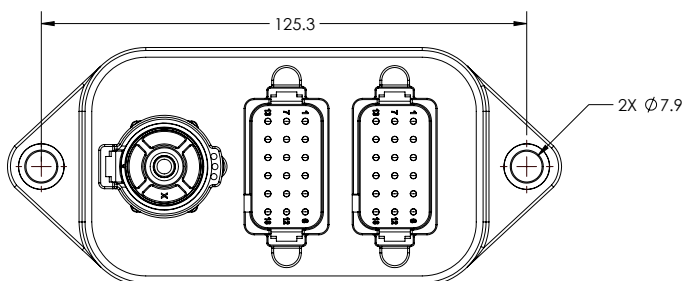
ATP04-06PBM14-X2-TS01



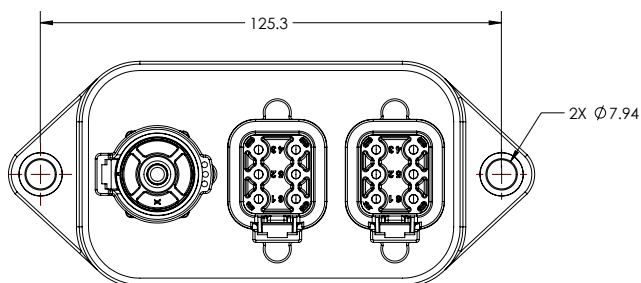
ATHD041-4PBM14-AT12PABM04-X201



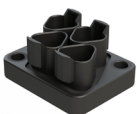
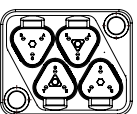
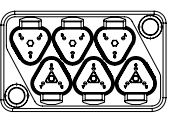
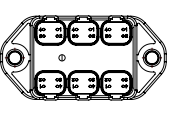
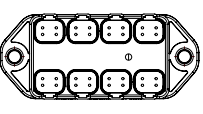
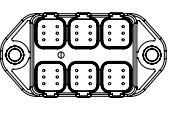
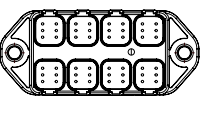
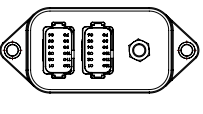
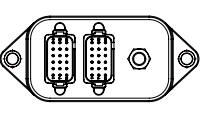
ATHD041-4PBM14-AT18PABM14-X201



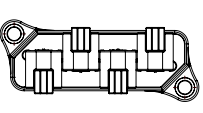
ATHD041-4PBM14-ATP06PBM14-X201



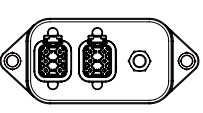
HYPERBUS™ PSM - AT Series™ Bussed Receptacle Blocks [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

| 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, HYPERBUS™ 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, HYPERBUS™ 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, HYPERBUS™ PSM, Green LED, Potting, Black Body<br>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, HYPERBUS™ PSM, Green LED, Potting, Black Body<br>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, HYPERBUS™ PSM, Green LED, Potting, Black Body<br>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, HYPERBUS™ PSM, Green LED, Potting, Black Body<br>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/300A, 250V, HYPERBUS™ PSM, Potting, Keyed A, Black Body               | 16           | 13A, 300A |
|  |  | 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/300A, 250V, HYPERBUS™ PSM, Potting, Keyed A, Black Body               | 16           | 13A, 300A |

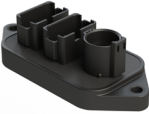
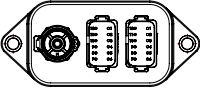
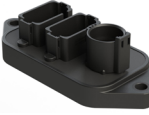
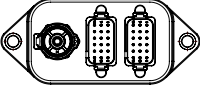
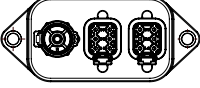
HYPERBUS™ PSM - BoardLock™ ATF13 Series Bussed Receptacle Blocks [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

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

HYPERBUS™ 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/300A, 250V, HYPERBUS™ PSM, Potting, Black Body | 12 | 25A, 300A |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------|

HYPERBUS™ 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, HYPERBUS™ 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, HYPERBUS™ 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, HYPERBUS™ PSM, Potting, Black Body      | 12           | 25A, 100A |



# 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 Integrated 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)

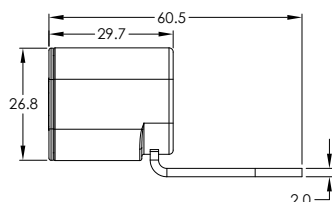
|                                |                  |
|--------------------------------|------------------|
| IP Rating (in mated condition) | IP68             |
| Contact Size                   | 16               |
| Max. Current (Amperage)        | 13A Each         |
| Max Voltage Rating             | 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)
- IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

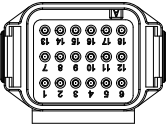
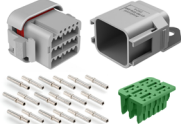
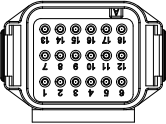
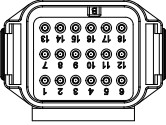


A **A Series™ Family**

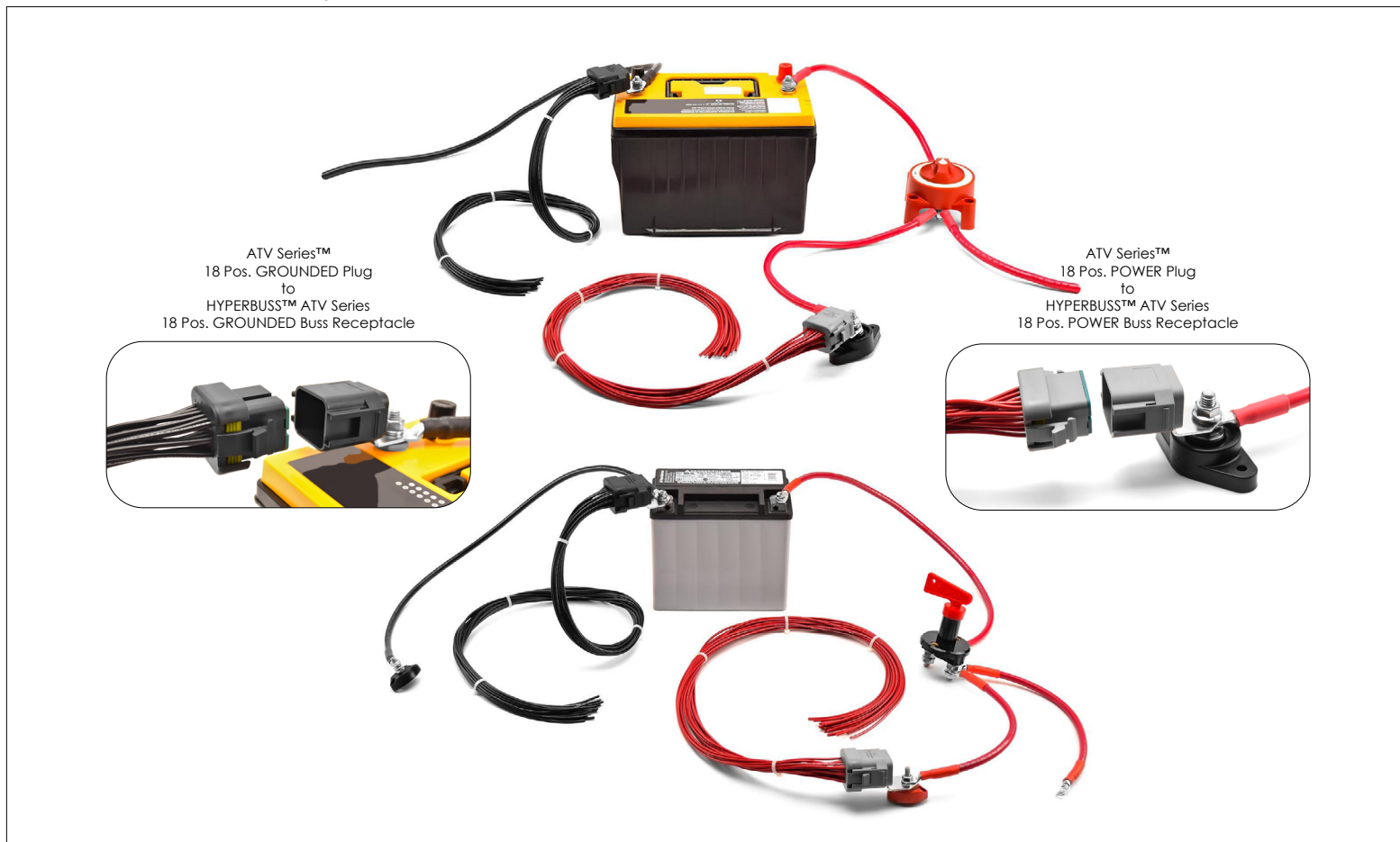


Standard products. Custom solutions  
Customer Service +1 800 394 7732

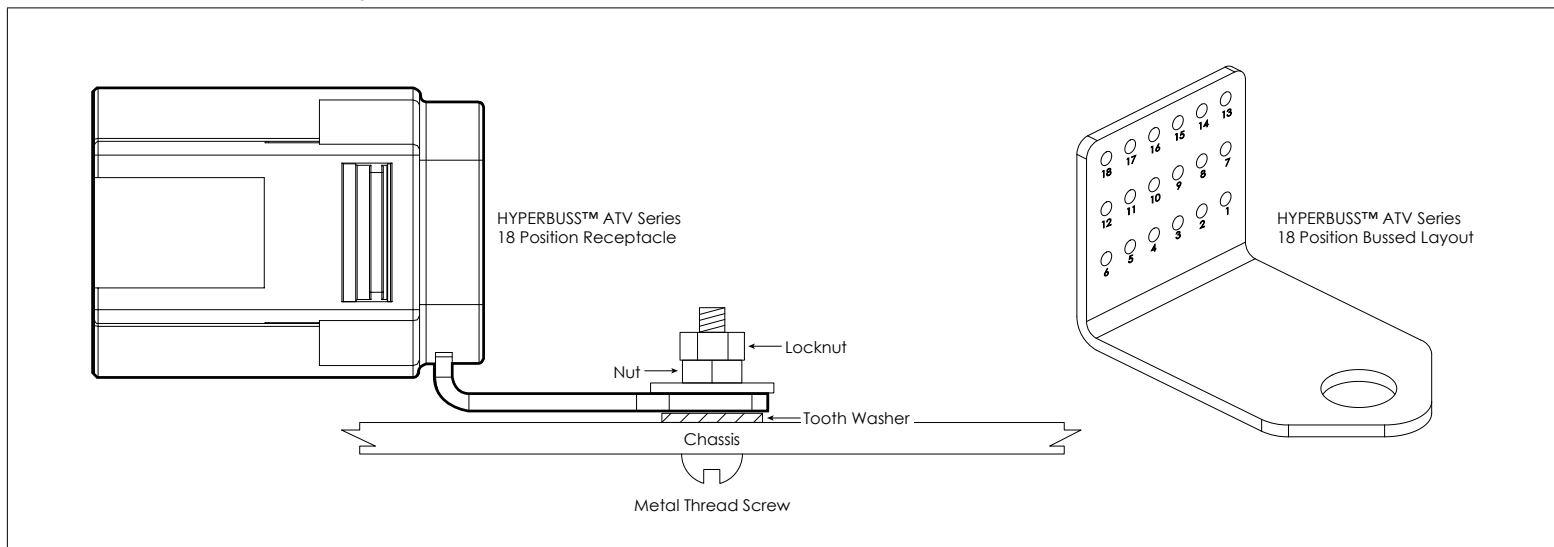
HYPERBUS™ ATV - Bussed Receptacles    [For intermateable ATV Series plugs \(ATV06-\), refer to our website](#)

| Image                                                                            | Pin Layout/Faceview                                                               | Part Number          | Description                                                                                                                                                                                       | Contact Size | Amperage            |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|
|  |  | ATV04-18PA-BUS       | 18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key A, Grey Body                                                                                                            | 16           | 13A<br>(230A Total) |
|                                                                                  |  | ATV04-18PB-BUS       | 18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key B, Black Body                                                                                                           | 16           | 13A<br>(230A Total) |
|  |  | ATV46-18PSA-BUS-CKIT | KIT: 18 Position, HYPERBUS™ ATV Series, Keyed A<br><br>Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key A, Grey Body<br>Contains: (1) 18 Position, Plug, ATV Series™, Key A, Grey Body   | 16           | 13A<br>(230A Total) |
|  |  | ATV46-18PSB-BUS-CKIT | KIT: 18 Position, HYPERBUS™ ATV Series, Keyed B<br><br>Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key B, Black Body<br>Contains: (1) 18 Position, Plug, ATV Series™, Key B, Black Body | 16           | 13A<br>(230A Total) |

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



HYPERBUS™ 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) Integrated 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)

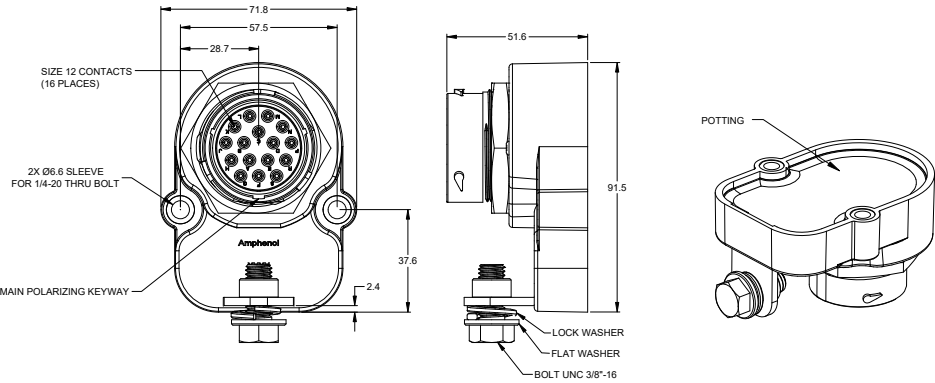


**A Series™ Family**



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

DuraMate™ AHDP with HYPERBUS™ - 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 HYPERBUS™ - Bussed Receptacles [For intermateable DuraMate™ AHDP Series plugs \(AHD06-\), 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 HYPERBUS™, Plastic, Potted, Black Body (Includes bolt, nut and washers) | 12           | 25A<br>(400A Max) |
|       |                     | AHDPHB04-24-16P-RED-CN | Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUS™, Plastic, Potted, Red Body (Includes bolt, nut and washers)   | 12           | 25A<br>(400A Max) |