HB HYPERBUSS™ Family

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

Amphenol Sine Systems' **HYPERBUSS™ Family** of Receptacle Connectors are are a high-performance, cost-effective solution used in a variety of interconnect applications where a common "bussed" electrical pathway is required. All options are IP67-rated (in mated condition) and offer superior environmental sealing capabilities.

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.*

Currently available in **HYPERBUSS™ AT Series, HYPERBUSS™ ATP Series** and **HYPERBUSS™ ATV Series** options, each intermateable with their respective industry standard connectors.

HB HYPERBUSS™ AT HB HYPERBUSS™ ATP HB HYPERBUSS™ ATV

Key Features

- **HYPERBUSS™ AT Series:** Available in 2, 4, 6, 8, and 12 Position Receptacles
- **HYPERBUSS™ ATP Series:** Available in 6 Position Receptacles
- **HYPERBUSS™ ATV Series:** Available in 18 Position Receptacles
- Sealed Intergrated Bussed Feedback Assembly
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Included wedgelock confirms contact alignment and retention

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

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HB HYPERBUSS™ AT

IP67

AT Series™ Heavy Duty Bussed Receptacles

Amphenol Sine Systems' **HYPERBUSS™ AT Receptacles** are are a high-performance, cost-effective solution used in a variety of interconnect applications where a common "bussed" electrical pathway is required: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural. All **HYPERBUSS™ AT** Receptacle Connectors are intermateable with standard AT Series™ Plugs as well as industry standard connectors. They are IP67-rated (in mated condition) and offer superior environmental sealing capabilities.

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.*

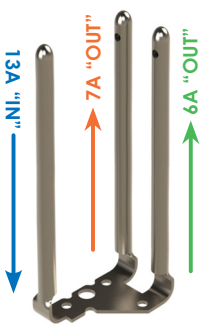
Key Features

- Available in 2, 4, 6, 8 and 12 Position Receptacles
- Sealed Intergrated Bussed Feedback Assembly
- Rectangular, thermoplastic housing
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Mates with standard AT Series™ Plugs

Applications: Bussed Feedback Receptacles used as a Splice Block or Tap Block

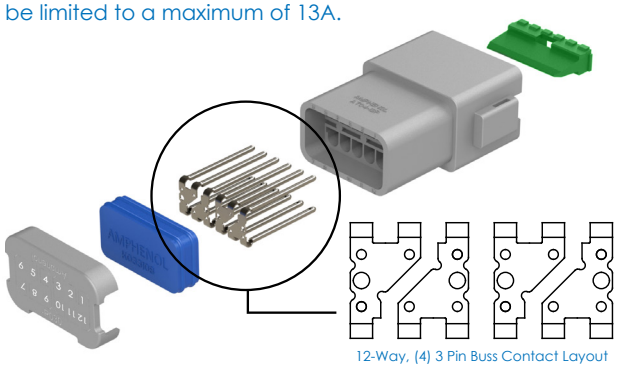
Technical Specifications

Housings	Thermoplastic
Contacts (Integral Pins)	Copper Alloy, Nickel or Gold Plated
Operating Temperature	-55°C to +125°C
IP Rating	IP67 (in mated condition)
Mates with	AT06-(XXXX) Plugs
Contact Size	16
Current Rating Per Contact	13A Max
Keying Options	Available in 6, 8 & 12 Position A and B Keying



Example

Maximum rated current is determined by the combined current across the entire buss. In the example to the left, various combinations of current can be achieved, but must be limited to a maximum of 13A.


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

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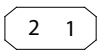
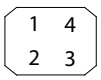
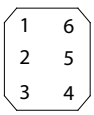
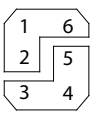
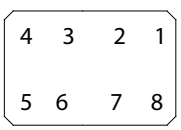
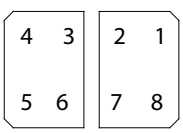
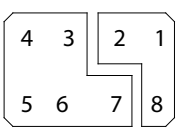
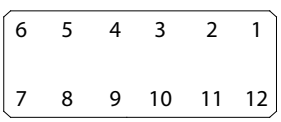
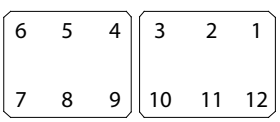
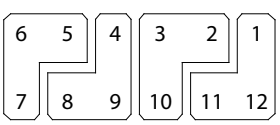
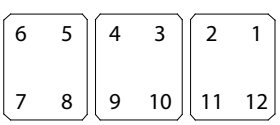
HYPERBUSS™ AT Heavy Duty Bussed Receptacles

Pin Layout	Part Number	Description	Size
 -P060	AT04-2P-P060	2 Pos, HYPERBUSS™ AT, Recep, (1) 2 Pin (***13A**), Nickel, Black	16
 -EP13 / -P021	AT04-4P-EP13	4 Pos, HYPERBUSS™ AT, Recep, (1) 4 Pin (***26A**), Nickel, Black	16
	AT04-4P-P021	4 Pos, HYPERBUSS™ AT, Recep, (1) 4 Pin (***26A**), Nickel, Grey	16
 -EP13 / -P021  -EP14	AT04-6P-EP13	6 Pos, HYPERBUSS™ AT, Recep, (1) 6 Pin (***39A**), Nickel, Black	16
	AT04-6P-P021	6 Pos, HYPERBUSS™ AT, Recep, (1) 6 Pin (***39A**), Nickel, Grey	16
	AT04-6P-EP14	6 Pos, HYPERBUSS™ AT, Recep, (2) 3 Pin (***13A ea**), Nickel, Black	16
 -P021  -P026  -P028	AT04-08PA-P021	8 Pos, HYPERBUSS™ AT, Recep, (1) 8 Pin (***52A**), Nickel, Keyed A, Grey	16
	AT04-08PB-P021	8 Pos, HYPERBUSS™ AT, Recep, (1) 8 Pin (***52A**), Nickel, Keyed B, Black	16
	AT04-08PA-P026	8 Pos, HYPERBUSS™ AT, Recep, (2) 4 Pin (***26A ea**), Nickel, Keyed A, Grey	16
	AT04-08PB-P026	8 Pos, HYPERBUSS™ AT, Recep, (2) 4 Pin (***26A ea**), Nickel, Keyed B, Black	16
	AT04-08PA-P028	8 Pos, HYPERBUSS™ AT, Recep, (1) 3 Pin (***13A**), (1) 5 Pin (***26A**), Nickel, Keyed A, Grey	16
	AT04-08PB-P028	8 Pos, HYPERBUSS™ AT, Recep, (1) 3 Pin (***13A**), (1) 5 Pin (***26A**), Nickel, Keyed B, Black	16
 -P016 / -P021  -P026 / -P027  -P030 / -P031  -P075	AT04-12PA-P016	12 Pos, HYPERBUSS™ AT, Recep, (1) 12 Pin (***78A**), Gold, Keyed A, Grey	16
	AT04-12PB-P016	12 Pos, HYPERBUSS™ AT, Recep, (1) 12 Pin (***78A**), Gold, Keyed B, Black	16
	AT04-12PA-P021	12 Pos, HYPERBUSS™ AT, Recep, (1) 12 Pin (***78A**), Nickel, Keyed A , Grey	16
	AT04-12PB-P021	12 Pos, HYPERBUSS™ AT, Recep, (1) 12 Pin (***78A**), Nickel, Keyed B, Black	16
	AT04-12PA-P026	12 Pos, HYPERBUSS™ AT, Recep, (2) 6 Pin (***39A ea**), Nickel, Keyed A, Grey	16
	AT04-12PB-P026	12 Pos, HYPERBUSS™ AT, Recep, (2) 6 Pin (***39A ea**), Nickel, Keyed B, Black	16
	AT04-12PB-P027	12 Pos, HYPERBUSS™ AT, Recep, (2) 6 Pin (***39A ea**), Gold, Keyed B, Black	16
	AT04-12PA-P030	12 Pos, HYPERBUSS™ AT, Recep, (4) 3 Pin (***13A ea**), Nickel, Keyed A, Grey	16
	AT04-12PB-P030	12 Pos, HYPERBUSS™ AT, Recep, (4) 3 Pin (***13A ea**), Nickel, Keyed B, Black	16
	AT04-12PA-P031	12 Pos, HYPERBUSS™ AT, Recep, (4) 3 Pin (***13A ea**), Gold, Keyed A, Grey	16
	AT04-12PB-P031	12 Pos, HYPERBUSS™ AT, Recep, (4) 3 Pin (***13A ea**), Gold, Keyed B, Black	16
	AT04-12PA-P075	12 Pos, HYPERBUSS™ AT, Recep, (3) 4 Pin (***26A ea**), Nickel, Keyed A, Grey	16

*Maximum current rating is the total amperage for the buss

HB HYPERBUSS™ ATP

IP68

ATP Series™ Heavy Duty Bussed Receptacles

Amphenol Sine Systems' **HYPERBUSS™ ATP 6 Position Heavy Duty Bussed Receptacles** are a high-performance, cost-effective solution used in a variety of interconnect applications where a common "bussed" electrical pathway is required: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural. All **HYPERBUSS™ ATP 6 Position Heavy Duty Bussed Receptacles** are intermateable with standard ATP Series™ 6 Position Plugs and StructurePlus™ ATP 6 Position Plugs, as well as industry standard connectors. The receptacles are IP68-rated (1M of water for 24 hours) and offer superior environmental sealing capabilities.

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

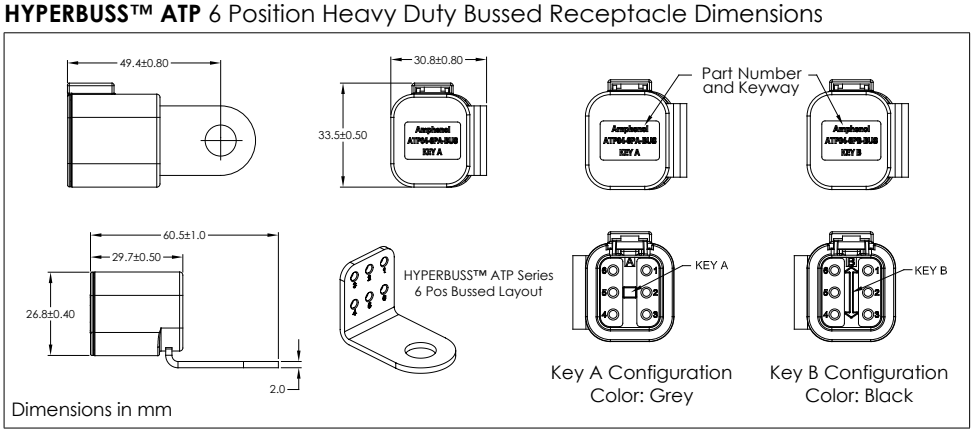
- Available in 6 Position Receptacles
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Intergrated Bussed Feedback Assembly
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Mates with standard ATP Series™ Plugs

Applications: Bussed Feedback Receptacles used as a Splice Block or Tap Block

Technical Specifications

Housings	Thermoplastic
Grounding/Power Buss	Copper Alloy, Nickel Plated
Contacts (Integral Pins)	Copper Alloy, Nickel Plated
Operating Temperature	-55°C to +125°C
IP Rating	IP68 (1M of water for 24 Hrs)
Mates with	ATP06-6S-XXXX Plugs
Contact Size	12
Current Rating Per Contact	25A Max (150A Total)

HYPERBUSS™ ATP 6 Position Heavy Duty Bussed Receptacle Dimensions



Dimensions in mm

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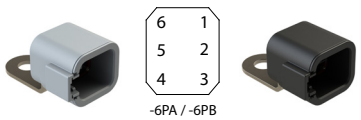
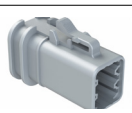
HYPERBUSS™ ATP Series 6 Position Heavy Duty Bussed Receptacles

Pin Layout	Part Number	Description	Size	Amperage
	ATP04-6PA-BUS	6 Position, HYPERBUSS™ ATP, Receptacle, (1) 6 Pin, Buss, Keyed A, Grey	12	25A (150A Total)
	ATP04-6PB-BUS	6 Position, HYPERBUSS™ ATP, Receptacle, (1) 6 Pin, Buss, Keyed B, Black	12	25A (150A Total)

*Maximum current rating is the total amperage for the buss

6 Position Plug Mating Options (More mating options available at **www.amphenol-sine.com**)

Pin Layout	Part Number	Description	Size	Amperage
	ATP06-6S	6 Position, ATP Series™, Plug, Socket, Grey	12	25A
	ATP06-6S-BLK	6 Position, ATP Series™, Plug, Socket, Black	12	25A
	ATP06-6S-RD01	6 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Grey	12	25A
	ATP06-6S-RD01BK	6 Position, ATP Series™, Plug, Socket, Reduced Diameter Seal, Black	12	25A
	ATP06-6S-OMGRY	6 Position, Structure Plus™ ATP, Plug, Socket, Grey	12	25A
	ATP06-6S-OMBLK	6 Position, Structure Plus™ ATP, Plug, Socket, Black	12	25A
	ATP06-6S-OMRDGRY	6 Position, Structure Plus™ ATP, Plug, Socket, Reduced Diameter Seal, Grey	12	25A
	ATP06-6S-OMRDBLK	6 Position, Structure Plus™ ATP, Plug, Socket, Reduced Diameter Seal, Black	12	25A

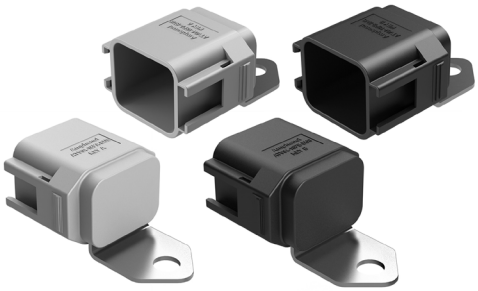
Required 6 Position Plug Wedgelocks

Pin Layout	Part Number	Description	Size	Amperage
	AWP-6SA	6 Position, Plug Wedgelock, Keyed A, Gray	-	-
	AWP-6SB	6 Position, Plug Wedgelock, Keyed B, Black	-	-

HYPERBUSS™ ATV

ATV Series™ Heavy Duty Bussed Receptacles

IP67



Amphenol Sine Systems' **HYPERBUSS™ ATV 18 Position Bussed Receptacles** are a high-performance, cost-effective solution used in a variety of interconnect applications where a common "bussed" electrical pathway is required: Heavy Duty, Transportation, Marine, Military, Alternative Energy and Agricultural. All **HYPERBUSS™ ATV 18 Position Bussed Receptacles** are intermateable with standard ATV Series™ 18 Position Plugs, as well as industry standard connectors. They are IP67-rated (in mated condition) and offer superior environmental sealing capabilities.

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

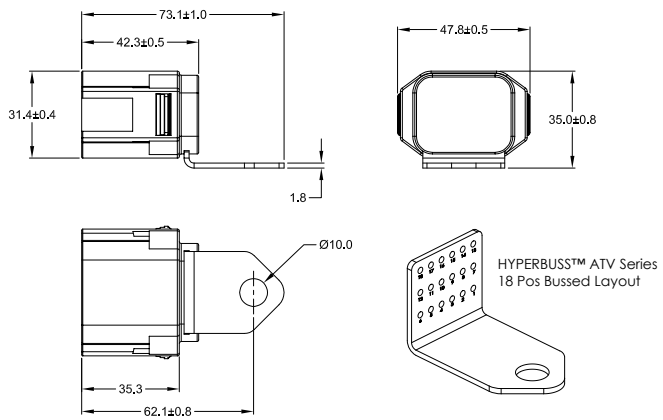
- Available in 18 Position Receptacles
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Intergrated Bussed Feedback Assembly
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Mates with standard ATV Series™ Plugs

Applications: Bussed Feedback Receptacles used as a Splice Block or Tap Block

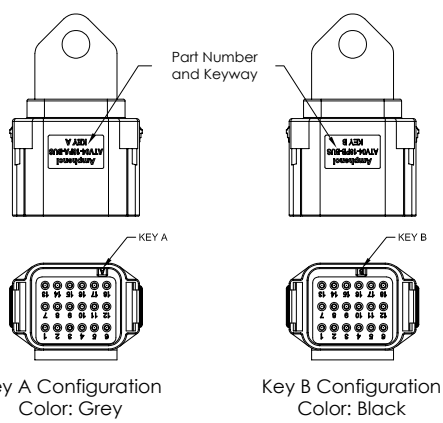
Housings	Thermoplastic
Grounding/Power Buss	Copper Alloy, Nickel Plated
Contacts (Integral Pins)	Copper Alloy, Nickel Plated
Operating Temperature	-55°C to +125°C

IP Rating	IP67 (in mated condition)
Contact Size	16
Current Rating Per Contact	13A Max (234A Total)

HYPERBUSS™ ATV Series 18 Position Heavy Duty Bussed Receptacle Dimensions



Dimensions in mm



Key A Configuration
Color: Grey

Key B Configuration
Color: Black

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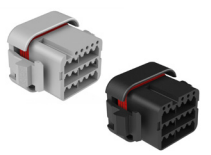
HYPERBUSS™ ATV Series 18 Position Heavy Duty Bussed Receptacles

Image	Part Number	Description	Size	Amps
	ATV04-18PA-BUS	18 Position, HYPERBUSS™ ATV Series, Receptacle, Buss, Key A, Grey	16	13A (230A Total)
	ATV04-18PB-BUS	18 Position, HYPERBUSS™ ATV Series, Receptacle, Buss, Key B, Black	16	13A (230A Total)

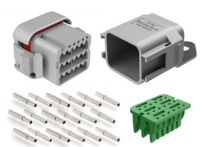
Mating **ATV Series™** 18 Position Heavy Duty Plugs

Image	Part Number	Description	Size	Amps
	ATV06-18SA	18 Position, ATV Series™, Plug, Key A, Standard Seal, Grey	16	13A (230A Total)
	ATV06-18SB	18 Position, ATV Series™, Plug, Key B, Standard Seal, Black	16	13A (230A Total)

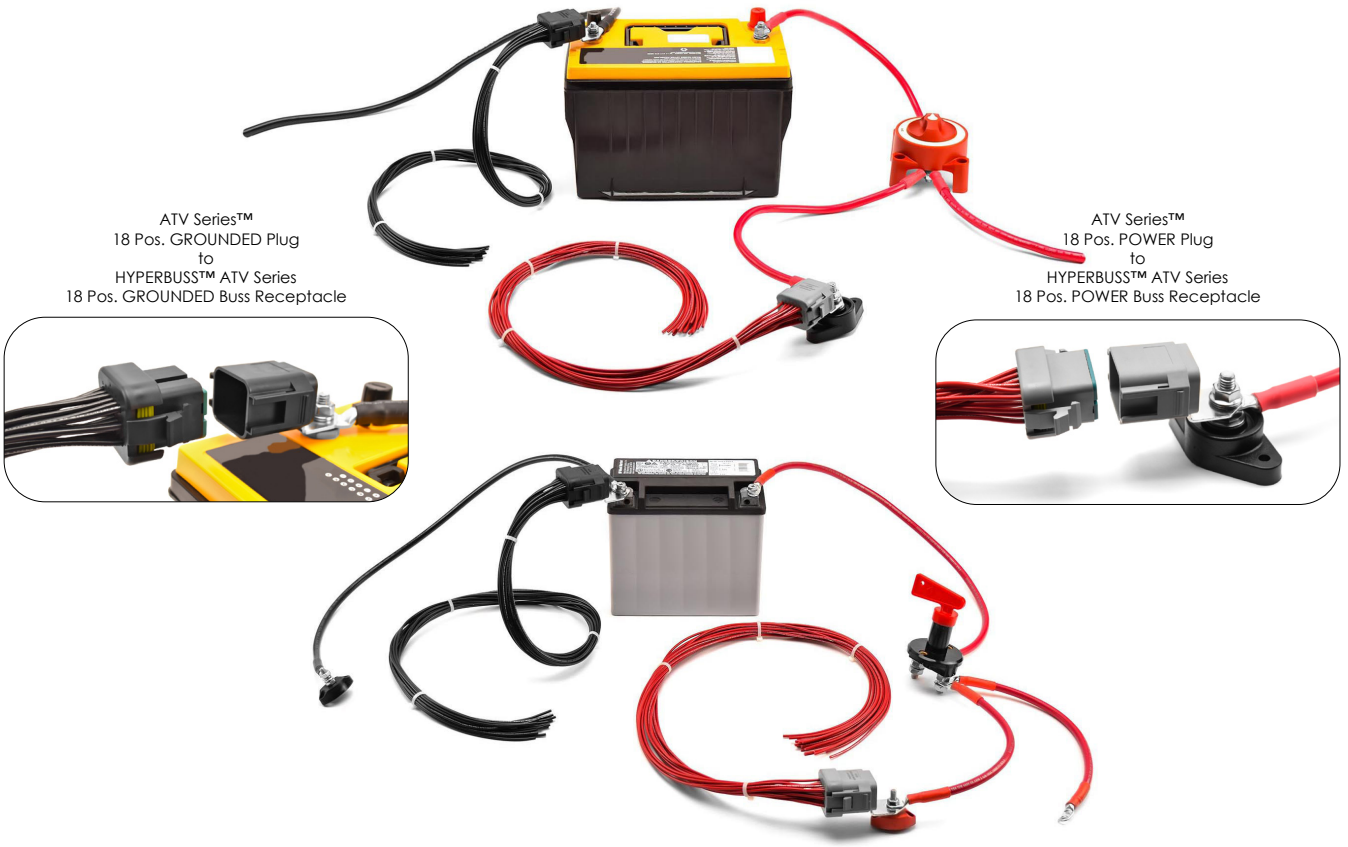
ATV Series™ 18 Position Wedgelocks

Image	Part Number	Description	Size	Amps
	AWV-18S	18 Position, ATV Series™, Plug Wedgelock, Green	-	-

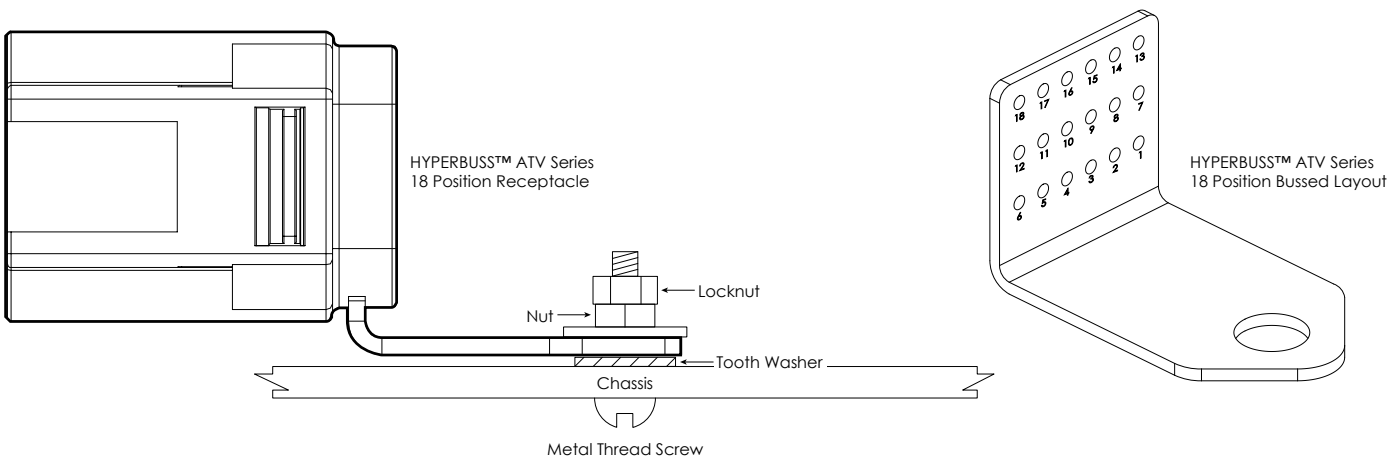
HYPERBUSS™ ATV Series 18 Position Heavy Duty Bussed Receptacle Kits

Image	Part Number	Description	Size	Amps
	ATV46-18PSA-BUSCKIT	KIT: 18 Position, HYPERBUSS™ ATV Series, Keyed A Contains: (1) 18 Position, HYPERBUSS™ ATV Series, Receptacle, Buss, Key A, Grey Contains: (1) 18 Position, ATV Series™, Plug, Key A, Grey	16	13A (230A Total)
	ATV46-18PSB-BUSCKIT	KIT: 18 Position, HYPERBUSS™ ATV Series, Keyed B Contains: (1) 18 Position, HYPERBUSS™ ATV, Receptacle, Buss, Key B, Black Contains: (1) 18 Position, ATV Series™, Plug, Key B, Black	16	13A (230A Total)

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



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



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