



# HB HYPERBUSS™ ATV



## 18 Position Heavy Duty Bussed Receptacles

The **HYPERBUSS™ ATV Series 18 Position 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 Receptacles** are intermateable with standard **ATV Series™ Plugs**, as well as industry standard connectors. They offer superior environmental seals and seal retention capabilities in the mated condition.

**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 (13A) Contacts
- Integrated latch confirms mating and retention
- Available in A and B keying options
- Available in custom color options



Housings	Thermoplastic
Contacts	Copper Alloy
Temperature	Operating temperature range: -55°C to +125°C at rated current
Dielectric Value	Meets or exceeds 1500 volts minimum
Drop Test	Shall not become detached or loosened when placed at 750mm and dropped to concrete eight times.
Shock	No latch disengagement or discontinuity shall be the result when subjected to 50 g's in each of three axis (X, Y & Z)
Vibration	Continued continuity without degradation to mechanical or physical attributes following vibration. (max acceleration 20 g's at Sine sweep of 10-2000Hz)
Connector Retention	A mated connector subjected to a pulling force by the exiting wire bundle at 25 lbs. times the number of contacts to a maximum of 100 lbs. applying load for 30 seconds
Thermal Shock	Subjected to 10 cycles at -55°C to +125°C with no cracking, chipping or other damage detrimental to the normal operation of the connector
Insulation Resistance	1000 megohms minimum at 25°C
Mating Cycle Durability	Following 100 cycles of connection engagement and disengagement, degradation either mechanical or electrical is not evident
Contact Millivolt Drop	Size 16 contacts with 16AWG conductor - 100 mV drop max at 13A test current


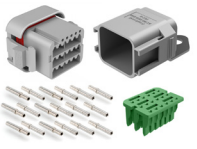



**A Series™ Family**



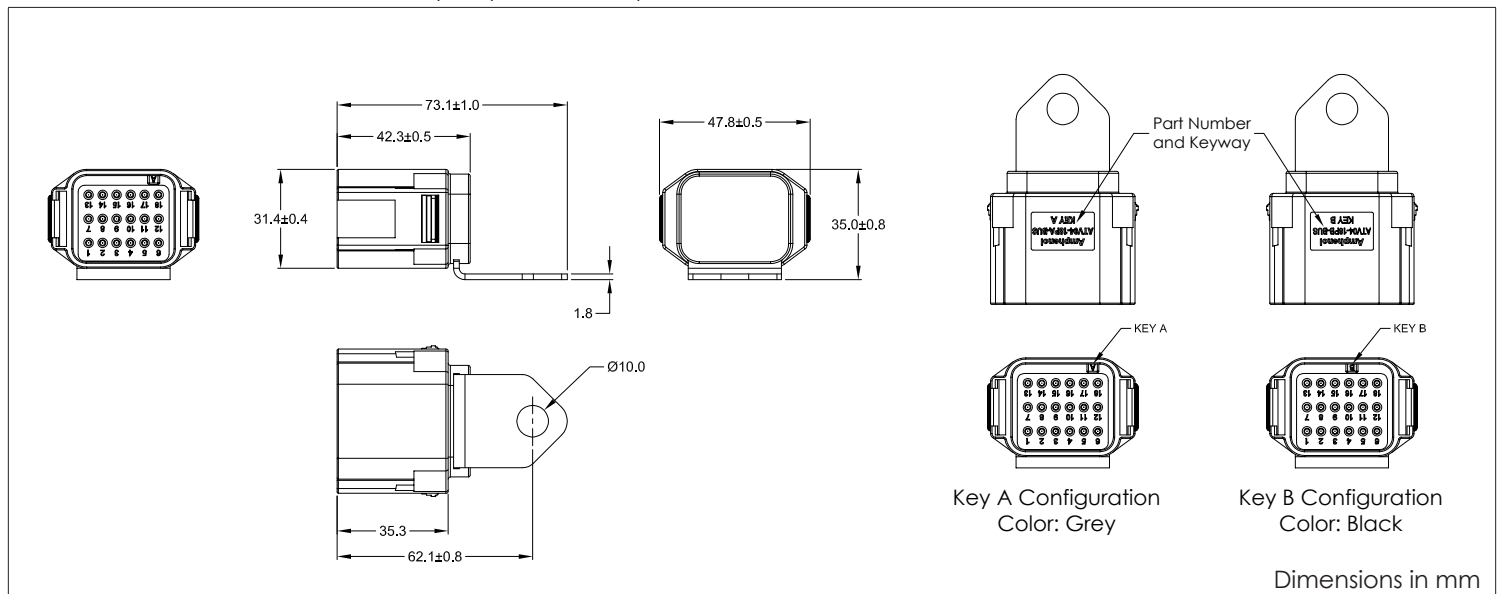
## Your Interconnect Solutions Expert

## HYPERBUSS™ ATV 18 Position Heavy Duty Bussed Receptacles

HYPERBUSS™ ATV Series 18 Position Heavy Duty Bussed Receptacles and Kits

Image	Part Number	Description
	ATV04-18PA-BUS	HYPERBUSS™ ATV Series, 18 Position, Receptacle, Size 16 Contact, Key A, Grey
	ATV04-18PB-BUS	HYPERBUSS™ ATV Series, 18 Position, Receptacle, Size 16 Contact, Key B, Black
	ATV46-18PSA-BUSKIT	HYPERBUSS™ ATV Series Kit, 18 Position Contains: (1) HYPERBUSS™ ATV Receptacle/(1)ATV Series™ Plug, (18) Size 16 Contacts, Key A, Grey
	ATV46-18PSB-BUSKIT	HYPERBUSS™ ATV Series Kit, 18 Position Contains: (1) HYPERBUSS™ ATV Receptacle/(1)ATV Series™ Plug, (18) Size 16 Contacts, Key A, Black
	ATV06-18SA	ATV Series™, 18 Position, Plug, Size 16 Contact, Key A, Standard Seal, Grey
	ATV06-18SB	ATV Series™, 18 Position, Plug, Size 16 Contact, Key B, Standard Seal, Black
	AWV-18S	ATV Series™, Wedgelock For 18 Position Plug, Green

### HYPERBUSS™ ATV Series 18 Position Heavy Duty Bussed Receptacle Dimensions

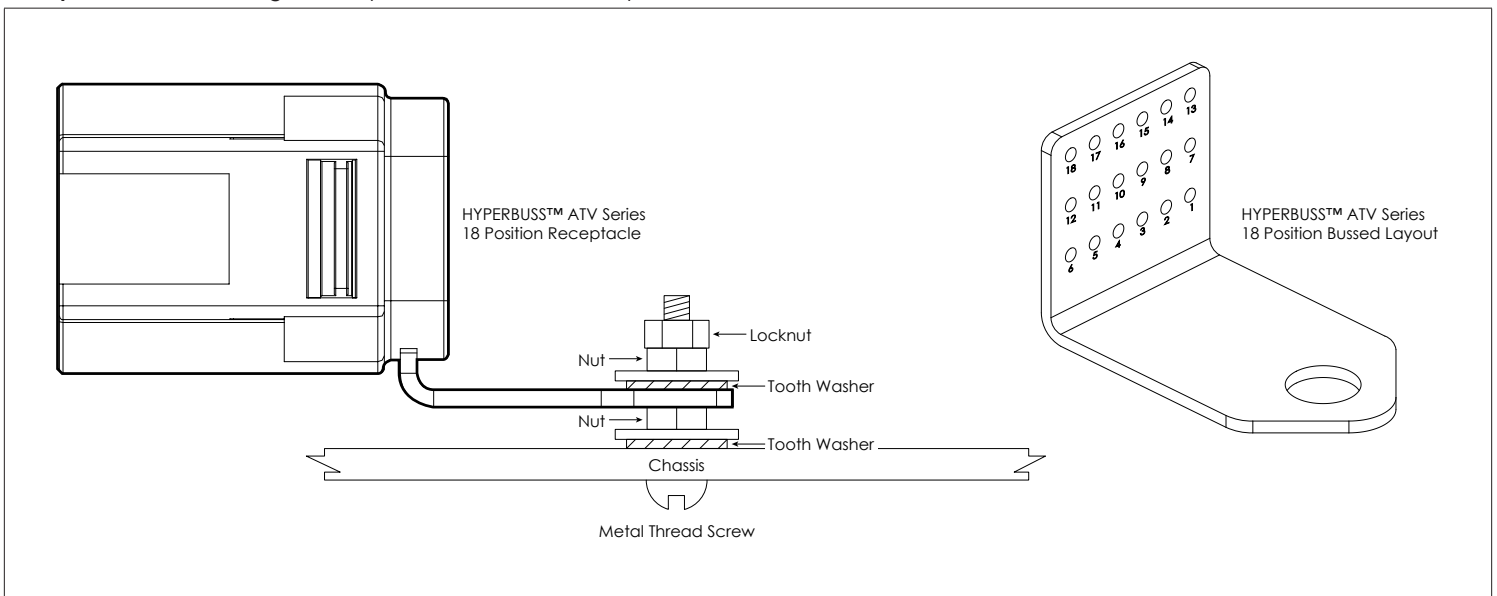


## HYPERBUSS™ ATV 18 Position Heavy Duty Bussed Receptacles

**Sample Architecture:** Plug and Play Battery GROUND/Battery POWER Buss System



**Sample Architecture:** Plug and Play Chassis GROUND Buss System



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