Automotive H-Bridge Module

This solid state DC load reversing contactor is wired in an H-Bridge configuration and is rated for up to 30A at 24VDC. This device provides an efficient way to reverse polarity on a variety of DC loads including solenoids, motors, brake/clutch assemblies, etc.

Product Features
- Operating voltage range of 8-32 VDC
- Reverse battery protection
- Voltage transient protection
- Short circuit and over load protection
- Up to 30A per operating current
- J1113/13 and IEC61000-4-2 compliant
- 4 slew rate options
- Small footprint
- Potted - protection from harsh environments
- Easy 2 point mounting / rugged ABS housing
- Customizable

Environmental Specifications
- Storage Temp.: -40° to 85° C
- Operating Temp.: -40° to 85° C
- IP Rating: 67
- Weight: 0.40 lbs. Typ
- Package Dimensions: 3.10" W, 4.00" L, 1.45" H

Unit Connections
- Input connector: DT15-6P (or equivalent)
- Mate connector: DT06-6S
- Pin 1: Slew rate MSB*
- Pin 2: Slew rate LSB
- Pin 3: NC
- Pin 4: NC
- Pin 5: IN 2
- Pin 6: IN 1
- Load connector: DTP10-4P
- Mate connector: DTP06-4S
- Pin 1: Ground (- battery)
- Pin 2: Forward (load side 1)
- Pin 3: +V (+ battery)
- Pin 4: Reverse (load side 2)

Electrical Specification
- Power Supply Voltage: 8-32 VDC
- Logic Supply Voltage: 5.0 VDC
- Operating Current: 30A Max
- Surge Current (300uS): 200A Max
- Off Leakage Current: 250uA Max
- On Resistance: 7 mΩ Max
- 3.5 mΩ Typ
- Jewels @ Load Dump: 3J Max
- (12 VDC@20A, 15mH inductance)

* Slew rate options include instant, 1 sec, 3 sec, 5 sec