

In-Vehicle USB Charger for BC 1.2 Profile



Off-the-shelf USB battery chargers deliver 5V and 1.5A for multiple in-vehicle locations and save in tooling and engineering costs

Features and Benefits

| | |
|---|---|
| Pre-assembled active USB charger with PCB routing and mechanical enclosure design | Saves costs in engineering time and tooling. Ensures fast delivery time |
| Compliant with Battery Charging (BC) 1.2 standards | Charges up to 5V DC / 1.5A (with compliant BC 1.2 devices) |
| Designed for existing rocker-switch panels for commercial vehicles | Facilitates drop-in design |
| Compatible Molex automotive I/O connector offering | Provides a single-system supplier for added reliability. Reduces overall cost |
| Compact, single-charger design | Enables charging-port integration throughout the vehicle |
| Electrical, mechanical, environmental, electromagnetic interference (EMI), electrostatic discharge (ESD) and signal integrity testing completed | Saves end user time and money with full turn-key testing and product validation |
| Power-supply architecture adaptable to existing application requirements | Ensures compatibility with most in-vehicle 12V power distribution architectures |
| Complete global material sourcing, logistics and manufacturing solution including: surface-mount or through-hole PCB assembly; final assembly and testing; PPAP (Production Parts Approval Process) | Offers seamless product introduction from one supplier, providing testing, mass manufacturing and stocking customers' supply chain requirements |



USB BC 1.2 Charger

Applications

Commercial Vehicle

- Trucks
- Agriculture
- Bus
- RVs
- Military Vehicles
- Boat/Marine
- Airplane
- Construction



Trucks



Cell phone/smart phone charging



Agriculture

Automotive

- Cell Phone/Smartphone Charging

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Specifications

REFERENCE INFORMATION

Packaging: Individual
Mates With: Micro-Fit 3.0™ Receptacle
(Series No. [43645](#)) and Micro-Fit 3.0™
Female Crimp (Series [43030](#), [45773](#))
Use With:
USB A Type Connector
Designed In: Millimeters
RoHS: Y
Halogen Free: Y
Glow Wire Compliant: No

ELECTRICAL

Voltage (max.): 16V DC
Input: 9 to 16V DC
Output (max.): 5V DC +/-5% 1.0A
Backlight: Blue LED, 12V DC

MECHANICAL

Mating cycles: 5,000

PHYSICAL

Housing: Polycarbonate/Acrylonitrile Butadiene
Styrene (PC+ABS), Black
Dimensions (mm): 48.00 H x 26.00 W x 37.05 D
Operating Temperature:
-40 to +85°C (automotive grade)

Ordering Information

| Series No. | Product Description |
|----------------------------|---|
| 79540-5015 | In-Vehicle Single USB Charger with Backlight 1.5A |

www.molex.com/link/invehiclesmartcharging.html