Safe, Reliable Management of High Voltages
AMP+ HVP 1100 High Current Connectors and Headers

TE Connectivity’s (TE) AMP+ HVP 1100 finger proof, touch safe, one position high current connectors and headers are designed for flexibility with the options needed for various hybrid and electric vehicle device applications. With a current carrying capability up to 300A at 85 °C* and a cable range of 35-95mm² individually shielded wire, the TE AMP+ HVP 1100 can be used in many high voltage applications. The system provides an integrated internal HVIL for package size optimization.

- Elimination of lever lock optimizes package size
- Two stage unlatching for effective HVIL functionality
AMP+ HVP 1100
High Current, High Voltage
Connectors and Headers

HVP 1100 KEY FEATURES

- Finger proof, touch safe
- Two stage unlatching for effective HVIL functionality
- Finger actuated
- No tool required to unmate
- Wide cable range (35-95mm²)
- USCAR-2, USCAR-37 compliant
- Tested to 50 mating cycles
- Sealed
- Multiple coding options (up to 6)

APPLICATIONS

- Battery pack
- Inverter
- High voltage power distribution unit

MECHANICAL

- Terminal: 11mm pin and receptacle
- Wire range: 50-70mm² individual shielded wire
- Latching style: Two stage, finger actuated
- HVIL: Integrated, internal
- CPA available

ELECTRICAL

- Voltage rating: Up to 750 VDC
- Current rating: Up to 300A @ 85 °C with 70mm² shielded cable
- Temperature range: -40 °C to 125 °C
- Shielding: 360° degree from wire to device
- IP rating: Mated: IP67, IP6k9k
  Unmated: IP2XB

STANDARDS AND SPECIFICATIONS

- USCAR-2 Rev. 5
- Validation: 501-101362 Rev. A
- Application specification: 114-101010

PRODUCT OFFERING

- One position right angle (90° degree version) • Header P/N: 2137740-x
- Reference plug: Refer to 114-101010 spec

PRODUCT DIMENSIONS

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

* Depends on cable size and construction

TE Technical Support Center

Canada: +1.905.470.4425
C. America: +52.0.55.106.0814
China: +86.0.400.820.6015
France: +33.0.1.3420.8686
Germany: +49.0.6251.133.1999
Great Britain: +44.0.8706.080208
India: +91.80.285.40800
Japan: +81.44.844.8111
Korea: +82.2.3415.4500
Mexico: +52.0.55.106.0814
Netherlands: +31.0.73.6246.999
South America: +55.011.2103.6000
USA: +1.800.522.6752

te.com

© 2012 Tyco Electronics Corporation.
a TE Connectivity Ltd. Company. All Rights Reserved.
9-1773646-8 GAD TB 3M 11/2012
TE Connectivity, TE connectivity (logo), AMP+ are trademarks. USCAR is a trademark. Other logos, product and/or company names might be trademarks of their respective owners.