

# TECHNICAL BULLETIN



## AMPHENOL HELIOS H4/UTX H4 CONNECTORS

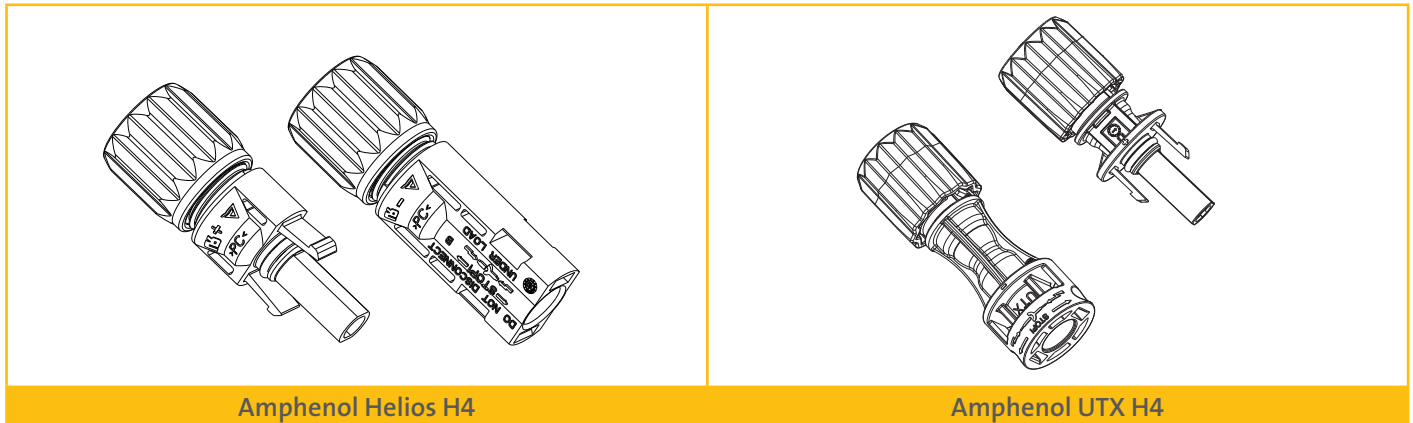
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SolarWorld transitioned from Amphenol H4 connectors to Amphenol UTX H4 connectors on all 60 and 72-cell modules beginning in October of 2015 and completed the conversion in February 2016.

### Amphenol UTX H4 Features and Benefits

- >> Triple certified to UL 1500V, TUV 1500V – Class A, and JET 1500V
- >> NEC Code compliant – no locking sleeve required
- >> Ratcheting gland back prevents backspin once the nut is tightened
- >> RoHS, REACH, PAHS and Halogen-free compliant
- >> UL94 V-0 (self-extinguishing)
- >> Available for wire gauges 14 AWG/2.5 mm<sup>2</sup> to 8 AWG/10 mm<sup>2</sup>
- >> IP68 rating when mated
- >> Wide operating temperature range from -40 °F to 194 °F (-40 °C to 90 °C)

### Connector Comparison



Amphenol Helios H4

Amphenol UTX H4

### Connector Compatibility

Amphenol Helios H4 and UTX H4 connectors are compatible and can be used interchangeably in systems less than 1000V. A 3rd-party test report is available upon request if an AHJ requires verification from Customer Service.

### Module Shipments

Customers may have received shipments of modules with both types of connectors within the same pallet during the conversion.

### Tool Compatibility

Your existing Amphenol disconnect tool (Amphenol part number H4TU0000) is compatible with the UTX connectors.

**UTX connectors require a new crimping tool, Amphenol part number UTXTC0002 for stamp & formed contacts and a new wrench tool, part number UTXTWA001. New tools can be purchased through your local electrical distributor.**

Revision	Date	Description
1	2015.12.01	Original document
2	2018.08.28	Updated information regarding need for UTX crimping tool; updated H4 compatibility with UTX only for systems less than 1000 V.