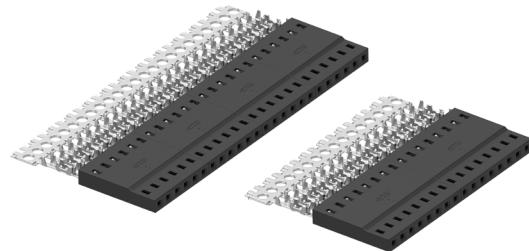


## INTRODUCING

# AMPMODU 2 mm WIRE-TO-BOARD IDC RECEPTACLE PLATFORM

- **38% space savings on a PCB as compared to traditional 2.54 mm [0.100"] centerline connectors**
- **Fast termination/installation without the need to strip the wire**



TE Connectivity's (TE) AMPMODU 2 mm [0.079"] connectors reliably and economically meet the packaging and interconnection requirements of today's miniature sophisticated electronics, occupying 38% less space than traditional 2.54 mm [0.100"] centerline connectors. This AMPMODU 2 mm wire-to-board receptacle assembly has been designed with pre-loaded discrete wire Insulation Displacement Contacts (IDC), enabling fast termination without the need to strip the wire. The wire can be applied with a manual or pneumatic pistol grip tool, which has a low implementation cost and is easy to operate.

In addition, our housing is available with an optional detent latching for greater connection reliability. IDC is an alternative solution to our AMPMODU 2mm Crimp Snap-In product.

### APPLICATIONS

- PLC/IO devices
- Servo drives
- Industrial controls
- Material handling
- Instrumentation and test equipment
- Building and factory automation
- Energy storage systems

### ELECTRICAL

- **Current rating:** 2 A (max.)
- **Dielectric withstanding voltage:** 650 VAC
- **Operating voltage:** 125 V (max.)

### MECHANICAL

- **Operating temperature:**
  - -40°C to 105°C (tin plated)
  - -40°C to 125°C (gold plated)
- **Vibration and shock [50g]:** No electrical discontinuity greater than 1 microsecond

### STANDARDS

- RoHS & REACH compliant
- UL recognized

### LEARN MORE

- [AMPMODU 2 mm WtB IDC Product Page](#)
- [AMPMODU 2 mm WtB IDC Product Flyer](#)
- [AMPMODU 2 mm WtB IDC Parts List](#)
- [AMPMODU 2 mm Interconnect System PGP](#)
- [Board Signal Design Navigator](#)

### BENEFITS

- Low application cost and time savings with TE-recommended pistol grip tooling
- Interchangeable IDC and Crimp Snap-In contacts allow for easy replacement of damaged/faulty contacts
- IDC and crimp receptacles mate with the same headers

### FEATURES

- **Centerline:** 2 mm [0.079"]
- **Termination:** Pre-loaded discrete wire insulation displacement contacts
- **Wire size:** Discrete wire, 30 - 26 AWG
- **Connector size:** Single row, 2 - 12 positions
- **Application tooling:** Manual and pneumatic pistol grip termination tool

### MATERIALS

- **Plating:**
  - 30µ" [0.76µm] gold
  - 15µ" [0.38µm] gold
  - 4µ" [0.1µm] gold flash
  - Tin
- **Contact material:** Phosphor bronze
- **Housing material:** High - temperature plastic (LCP), black
- **Environmental:** UL94V0, low halogen
- Operating environment class III

### SPECIFICATIONS

- Product specification: [108-64040-2](#)
- Application specification: [114-32175](#)