

AMPMODU 2 mm WIRE-TO-BOARD IDC RECEPTACLE PLATFORM

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.

BENEFITS

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

FEATURE

- **Centerline:** 2 mm [0.079"]
- **Termination:** Pre-loaded 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

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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

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

STANDARDS

- RoHS & REACH compliant
- UL recognized

SPECIFICATIONS

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





PART NUMBER LIST

Type	Images	Wire size	Plating	Base number	Available positions
Standard		AWG 30-26 [0.05 - 0.14 mm²]	0.76µm [30µ"] Gold	2317206	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
			0.38µm [15µ"] Gold	2317205	
			0.1µm [4µ"] Gold	2317204	
			Tin	2317222	

Part number		
Positions	Base number	Part number
2	XXXXXXXX	XXXXXXXX-2
3	XXXXXXXX	XXXXXXXX-3
4	XXXXXXXX	XXXXXXXX-4
5	XXXXXXXX	XXXXXXXX-5
6	XXXXXXXX	XXXXXXXX-6
7	XXXXXXXX	XXXXXXXX-7
8	XXXXXXXX	XXXXXXXX-8
9	XXXXXXXX	XXXXXXXX-9
10	XXXXXXXX	1-XXXXXXXX-0
11	XXXXXXXX	1-XXXXXXXX-1
12	XXXXXXXX	1-XXXXXXXX-2

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APPLICATION TOOLING

Tooling	Images	AWG 30-26 [0.05 - 0.14 mm ²]
Terminating head*		2326300-1
Pistol grip manual handle*		58074-1
Pneumatic manual handle*		58075-1
Extraction tool		843477-3

*Terminating header need to be used with the Pistol-grip Manual Handle A which accommodates the head for economical tooling or the Pneumatic Manual Handle.

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