



## AMPMODU 2 mm WIRE-TO-BOARD CRIMP RECEPTACLES

TE Connectivity's (TE) AMPMODU 2 mm connectors reliably and economically meet the packaging and interconnection requirements of today's miniature sophisticated electronics, occupying 38 percent less space than traditional 2.54 mm [0.100"] centerline connectors. The new Wire-to-Board crimp receptacle family includes housings styles without latches and with detent or positive latching along with 2 contact sizes for wire ranges 30 - 24 AWG [0.05 - 0.22 mm<sup>2</sup>]. The receptacle assemblies utilize phosphor bronze contacts with dual cantilever beams in gold or tin plating options. Connectors are available in a single and double row, from 2 to 25 positions per row. The housing design with detent and positive latching offers a reliable interconnection in high-vibration industrial environments. Additionally, wire termination is easily accomplished with TE-recommended hand or applicator tooling. Along with TE's Board-to-Board portfolio, the 2 mm crimp receptacle family can meet a wide variety of customer requirements.

### BENEFITS

- 38% space savings as compared to the traditional 2.54 mm [0.100"] centerline connectors
- Reliable connection in high vibration environments with detent and positive latching variants
- Design flexibility with various crimp terminal options for wire sizes 30 - 24 AWG [0.05 - 0.22 mm<sup>2</sup>]
- Proper locking assured by an audible click of a positive latch
- Increased safety with a polarization feature preventing incorrect mating

# AMPMODU 2 mm Wire-to-Board Crimp Receptacles

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## APPLICATIONS

- PLC/IO devices
- Servo drives
- Material handling equipment
- Building and home automation devices
- Industrial controls
- Robotics
- Instrumentation and test equipment

## ELECTRICAL

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

## SPECIFICATIONS

- **Product specification:** [108-64040-1](#)
- **Application specification:** [114-32173](#)
- RoHS & REACH compliant
- cURus: Pending
- VDE approval pending

## MECHANICAL

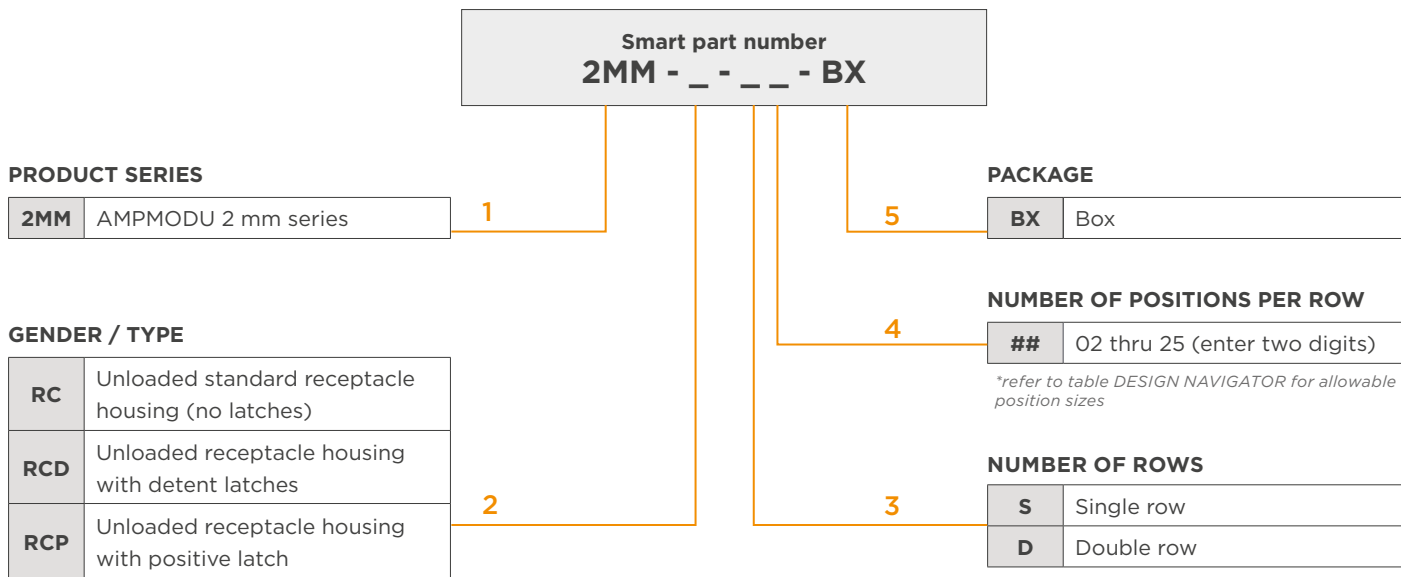
- **Operating temperature:**
  - -40°C to 105°C for tin plated receptacles
  - -40°C to 125°C for gold plated receptacles
- **Vibration:** No electrical discontinuity greater than 1 microsecond

## MATERIALS

- **Plating:**
  - 30  $\mu$ " [0.76  $\mu$ m] gold
  - 15  $\mu$ " [0.38  $\mu$ m] gold
  - 4  $\mu$ " [0.1  $\mu$ m] gold flash
  - Tin
- **Contact material:** Phosphor bronze
- **Housing material:** High-temperature plastic (LCP), black
- **Environmental:** UL94 V0, low halogen
- Operating environment class III

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## SMART PART NUMBER DEFINITION



### SMART PN EXAMPLES

- AMPMODU 2 mm, crimp receptacle with detent latches, double row, 16 positions (2 x 8), box: **2MM-RCD-D08-BX**

## DESIGN NAVIGATOR

Housing style	Number of rows	Number of positions per row	Packaging method
Standard (no latches)	Single row	02 thru 25	Box
	Double row	02 thru 25 per row	
With detent latches	Single row	07 thru 16	
	Double row	07 thru 16, 20, 22, 25 per row	
With positive latch	Single row	03 thru 16	
	Double row	03 thru 16 per row	

\* Tube packaging is available upon request.



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