

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 mm²]. 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 more 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
- More 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 mm²]
- Proper locking supported by an audible click of a positive latch
- Increased safety with a polarization feature help to prevent incorrect mating

AMPMODU 2 mm Wire-to-Board Crimp Receptacles

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

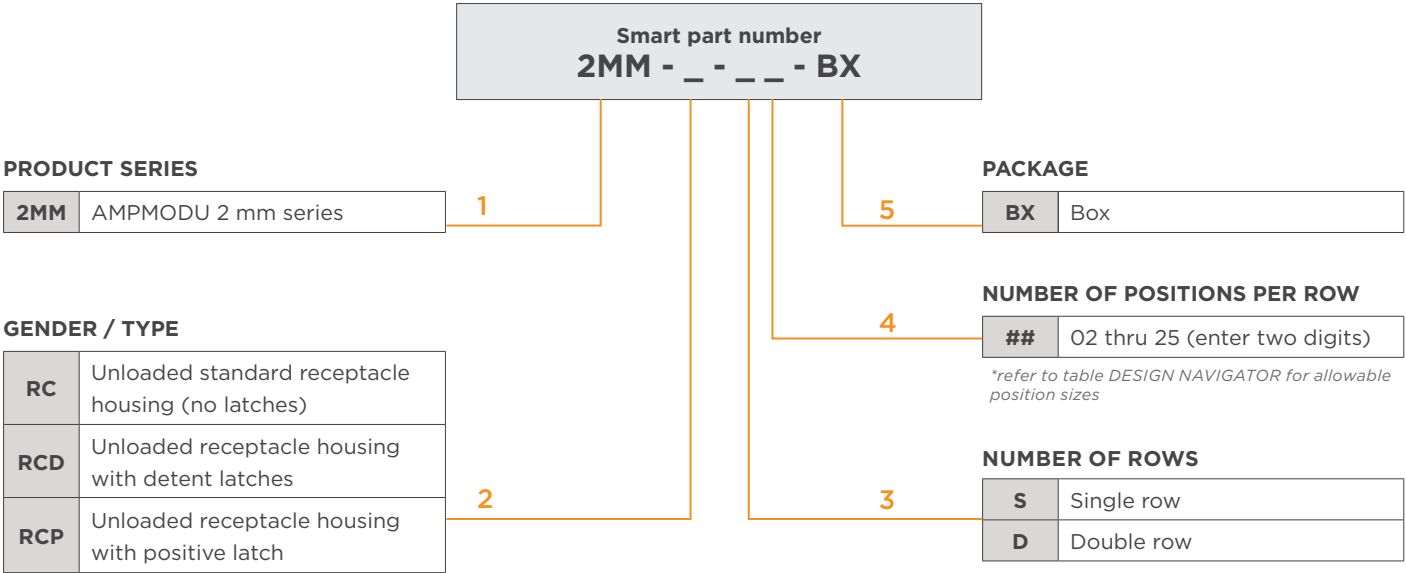
- **Operating temperature:**
 - -40°C to 105°C for tin plated receptacles
 - -40°C to 125°C for gold plated receptacles
- **Vibration:** No electrical discontinuity greater than 1 microsecond

MATERIALS

- **Plating:**
 - 30 µ" [0.76 µm] gold
 - 15 µ" [0.38 µm] gold
 - 4 µ" [0.1 µm] 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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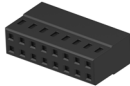
SMART PART NUMBER DEFINITION



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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RECEPTACLE CONTACT



Smart part number

2MM - RT - _ - _ - _

1

2

3

4

5

PRODUCT SERIES

2MM	AMPMODU 2 mm series
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GENDER / TYPE

RT	Receptacle crimp contact
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WIRE SIZE

S	AWG 30-28 [0.05 - 0.08 mm²]
M	AWG 28-24 [0.08 - 0.22 mm²]

PACKAGING

ST	Strip form (30K pcs/reel)
LP	Loose piece

PLATING

T	Tin
F	4 μ" [0.1 μm] gold (gold flash)
M	15 μ" [0.38 μm] gold
H	30 μ" [0.76 μm] gold

SMART PN EXAMPLES

- AMPMODU 2 mm, crimp receptacle contact, AWG 30 - 28, tin, 30kpcs/reel: **2MM-RT-S-T-ST**

APPLICATION TOOLING

Tooling	Images	Contact Package	Contact AWG 30-28	Contact AWG 28-24
Hand tool		Loose Piece (LP)	2326270-1	2326267-1
Ocean applicator		30k pcs/reel (ST)	Upon request	Upon request
Extraction tool		9-1579028-8 <i>Suitable for essentially all receptacles - to disengage locking lance from front window.</i>		
		843477-3 <i>Suitable for standard and detent latch receptacles only - to disengage locking lance from side, top or bottom windows.</i>		

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