

Business Unit:	Electronics	PI/ 008
Product range:	M12 Connectors	Date: 2012-12-05
Title:	Introduction of har-speed M12 Receptacles	Page 1/9



Dear Customer,

We are proud to announce the availability of our recently developed receptacles for har-speed M12 Connectors, designed in straight and angled versions for M12 PCB front and rear mounting.

The following part numbers have been created for our new product:

Part Number	Description
21 03 381 2802	Har-speed receptacle female, straight, Cat.6A for front mounting
21 03 381 2803	Har-speed receptacle female, straight, Cat.5 for front mounting
21 03 381 2804	Har-speed receptacle female, straight, Cat.6A for rear mounting
21 03 381 2805	Har-speed receptacle female, straight, Cat.5for rear mounting
21 03 381 4802	Har-speed receptacle female, angled, Cat.6A for front mounting
21 03 381 4804	Har-speed receptacle female, angled, Cat.6A for front mounting

Additional Information:

The above mentioned parts allow for direct design-ins at the device side manufacturers. Besides the insulator body with the already installed contacts, we offer different versions of housings which include housings for rear and front mounting as shown below.



Receptacle housing, female, rear mounting



Receptacle housing, female, front mounting



View from the soldering side



View from the M12 side

The variant for Cat.5 does not have the shielding cross inside.

Benefits of the new receptacles:

- Robust design for IP 65/67 environment.
- Design acc. IEC 61076-2-109 (standard for x-coded M12).
- Performance class E_A for 10 GB Ethernet (8-wire-Ethernet).
- Temperature range from -40 °C up to +70 °C.
- Feed through design, which means that the insulator body **is not** fixed to the housing.
- Designed for reflow soldering.
- Design for pick 'n' place. The availability of the pick 'n' place cap will be announced separately.

Availability and Packaging:

HARTING provides the following packaging:

- Housings in a tube.
- Receptacles in existing “old” tray covered with cardboard.

The packaging of the receptacles will be changed in the near future. In addition, a new tray designed for pick ‘n’ place process will be introduced at the end of 2012.

For detailed drawings, please see the appendix section of this document.

Please don't hesitate to contact our technical support if you have any questions.

Technical Support E-mail: TechSupportUS@HARTING.com

Technical Support Phone Number: **866-278-0306** (Select option 3 for technical support).



Appendix: Technical Drawings









