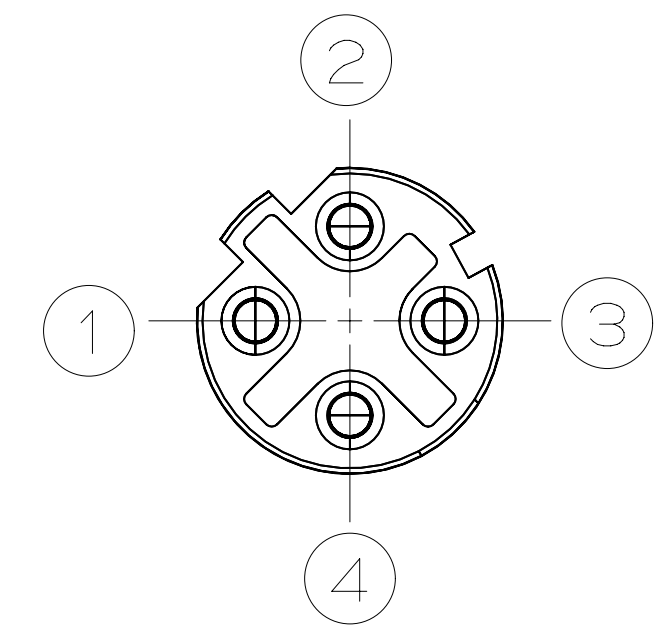
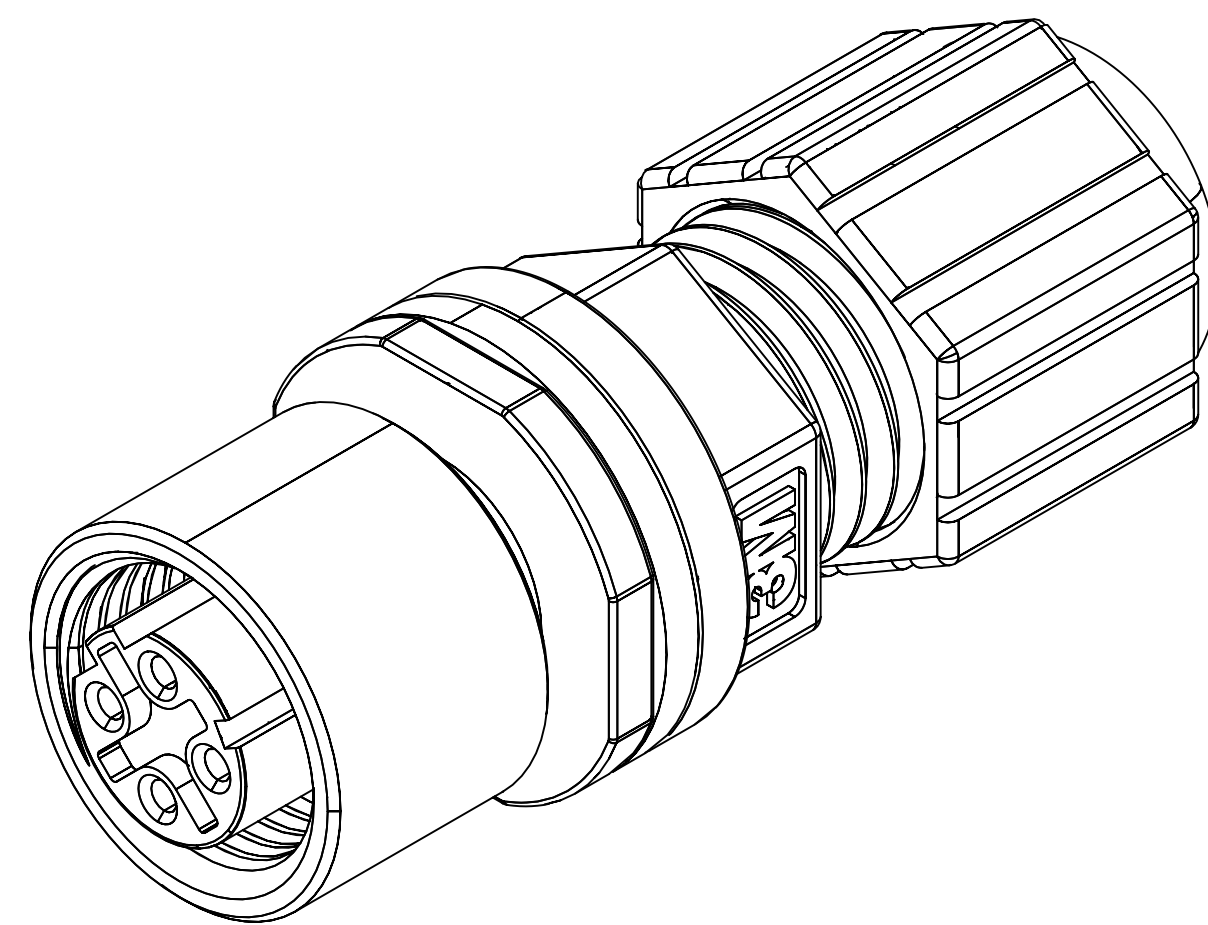
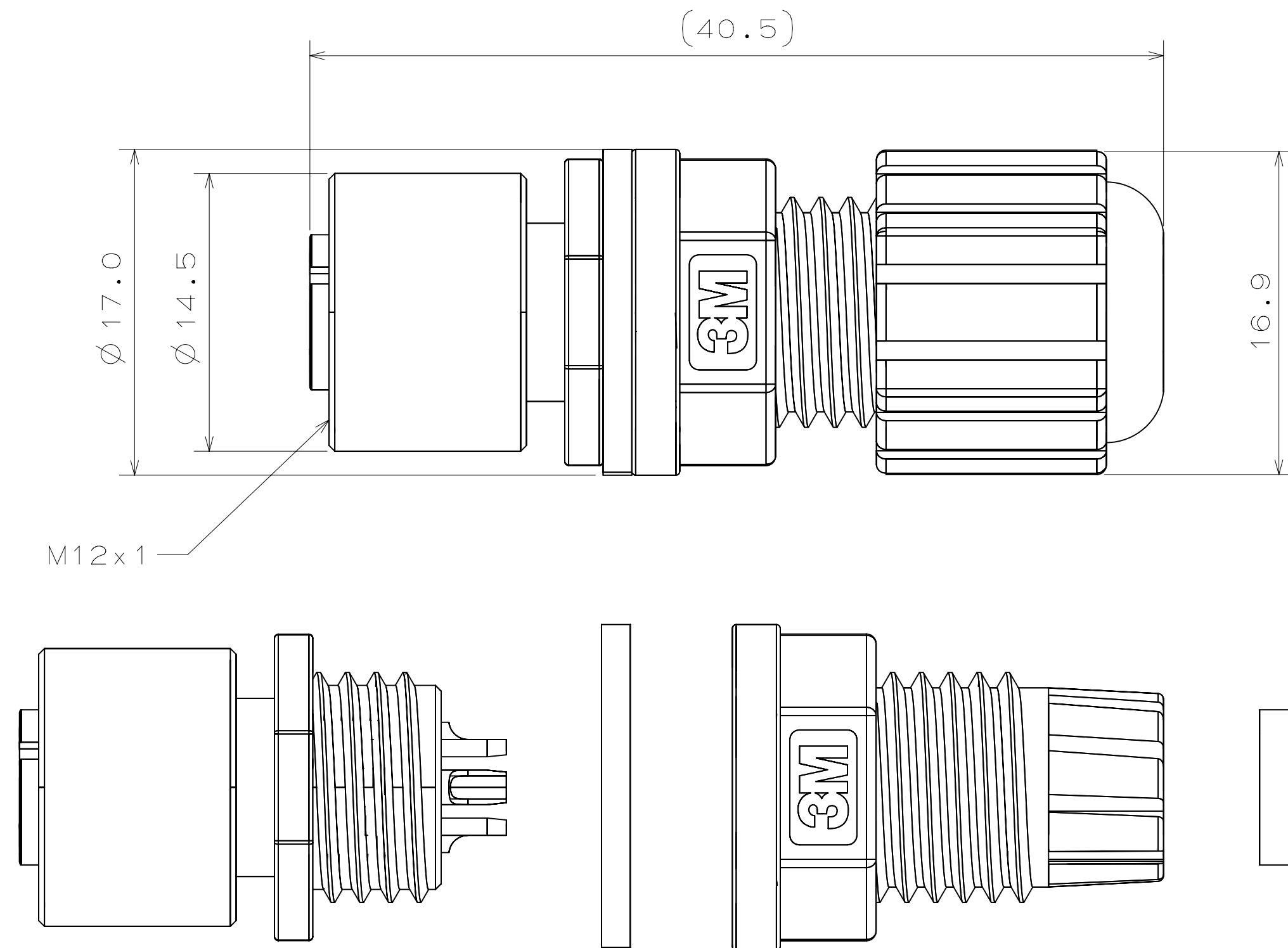


# 3M™ INDUSTRIAL M12 WM CONNECTOR FOR 4POS, D-CODE, FEMALE, SOLDER TYPE



## Pin Assignment

## ORDERING INFORMATION M12 WM CONNECTOR

3N3 04-D000-S08 BF

PRODUCTION SERIES  
3N3: INDUSTRIAL M12 WM  
FEMALE CONNECTOR

PLATING SUFFIX  
BF: CONTACT AREA 0.2 $\mu$ m GOLD

CONTACT QUANTITY  
04: 4 PIN

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IP CLASS
8: IP68

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CODE  
D: D CODE

WIRING METHOD  
S: SOLDER TYPE

3M™ ELECTRONIC SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
VISIT <http://www.3mconnectors.com>

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## PERFORMANCE

- 1) MECHANICAL  
POLARIZING METHOD: 35N MIN.

CONTACT INSERTION FORCE: 10N/pin MAX.  
CONTACT WITHDRAWAL FORCE: 15N/pin MAX.

WATERPROOF: IP68 (IN WATER 1mm DEPTH, 24H)

- 2) ELECTRICAL  
CURRENT RATING: 4.0A

VOLTAGE RATING: 250VDC

WITHSTANDING VOLTAGE: 1000VACrms

INSULATION RESISTANCE:  $1 \times 10^8$  OHMS at 500VDC

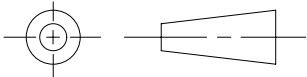
CONTACT RESISTANCE:  
10 MILLI OHM AT INITIAL CONDITION  
DELTA R 15 MILLI OHM MAX. AFTER  
EVALUATION TEST BASED ON 78-5102-0151-6

- 3) ENVIRONMENTAL  
TEMPERATURE RATING: -25°C TO 85°C

NOTE  
FOR LOW TEMPERATURE LIMIT:  
EXCLUDING CABLE PERFORMANCE NO DEW CONDITION  
FOR HIGH TEMPERATURE LIMIT:  
INCLUDING TEMPERATURE RAISING BY CURRENT

## NOTES

- |   |  |
|---|--|
| 1 | <p>MATERIAL:</p> <p>BODY: THERMOPLASTIC, UL 94V0</p> <p>COVER: THERMOPLASTIC, UL 94V0</p> <p>GLAND NUT:</p> <p>THERMOPLASTIC, UL 94V0</p> <p>CONTACT: COPPER ALLOY</p>   |
| 2 | <p>PLATING</p> <p>CONTACT AREA: 0.2um GOLD MIN.</p>  |
| 3 | <p>MATED WITH INDUSTRIAL M12</p> <p>MALE CONNECTOR</p>   |
| 4 | <p>COMPATIBLE CABLE:</p> <p>1) WIRE</p> <p>    AWG 20 STRANDED</p> <p>    AWG 24 STRANDED</p> <p>2) CABLE OUTER DIAMETER</p> <p>    4.0 to 6.5mm</p>   |
| 5 | <p>RoHS COMPLIANT.</p> <p>SEE THE REGULATORY</p> <p>INFORMATION APPENDIX (RIA)</p> <p>IN THE "RoHS COMPLIANCE"</p> <p>SECTION OF</p> <p>WWW.3MCONNECTORS.COM FOR</p> <p>COMPLIANCE INFORMATION</p> <p>(RIA E1 &amp; C1 APPLY).</p> |
| 6 | <p>FOR PRODUCT SPECIFICATIONS</p> <p>AND WARRANTY INFORMATION</p> <p>SEE 3M 78-5102-0151-6</p>   |
| 7 | <p>IN THE EVENT OF CONFLICT</p> <p>BETWEEN THIS DATA AND</p> <p>THAT CONTAINED IN THE</p> <p>PRODUCT SPECIFICATION,</p> <p>THE PRODUCT SPECIFICATION</p> <p>TAKES PRECEDENT.</p>   |

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				REV	T. OHTA	DATE SEP 06, 2012		INFO	DATE
				CHKD		DATE		APPROV. H. KOSUGI	DATE SEP 06, 2012
DIVISION <b>Interconnect Solutions</b> DO NOT SCALE DRAWING				DIVISION CODE <b>ISO</b> TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2012 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used for disclosed other than for 3M authorized purposes. All rights reserved.			
 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 1994				INCHES .01 ± .00 ± .000 ± .0000 ±		TITLE <b>INDUSTRIAL</b> <b>M12 WIRE MOUNT,</b> <b>FOR D-CODE, FEMALE,</b> <b>SOLDER TYPE</b>			
MAX SURFACE ROUGHNESS 1.6 μm SURFACES <input checked="" type="checkbox"/> MARKED ONLY				MILLIMETERS 0 ± .01 ± .3 .00 ± .13 .000 ±		CAGE NUMBER SIZE <b>78-5100-2558-4</b>			
				ANGLE		REV. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 1 OF 1			

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