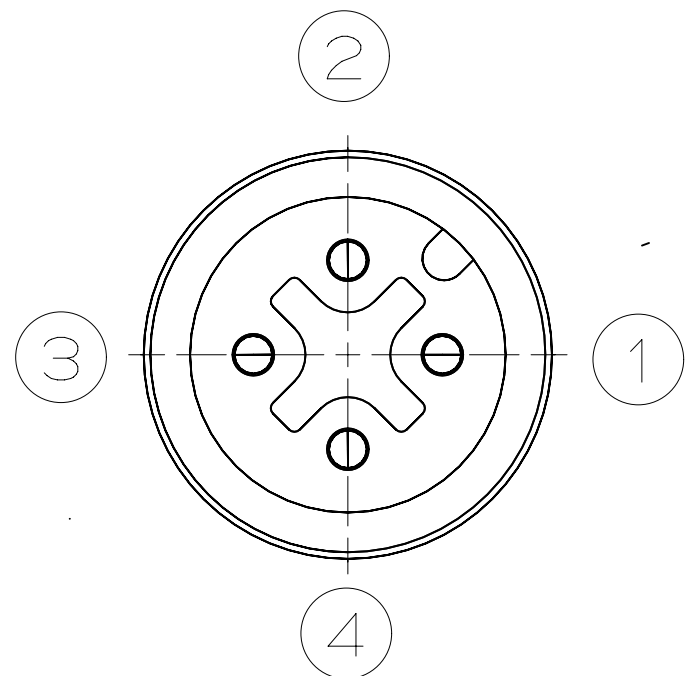
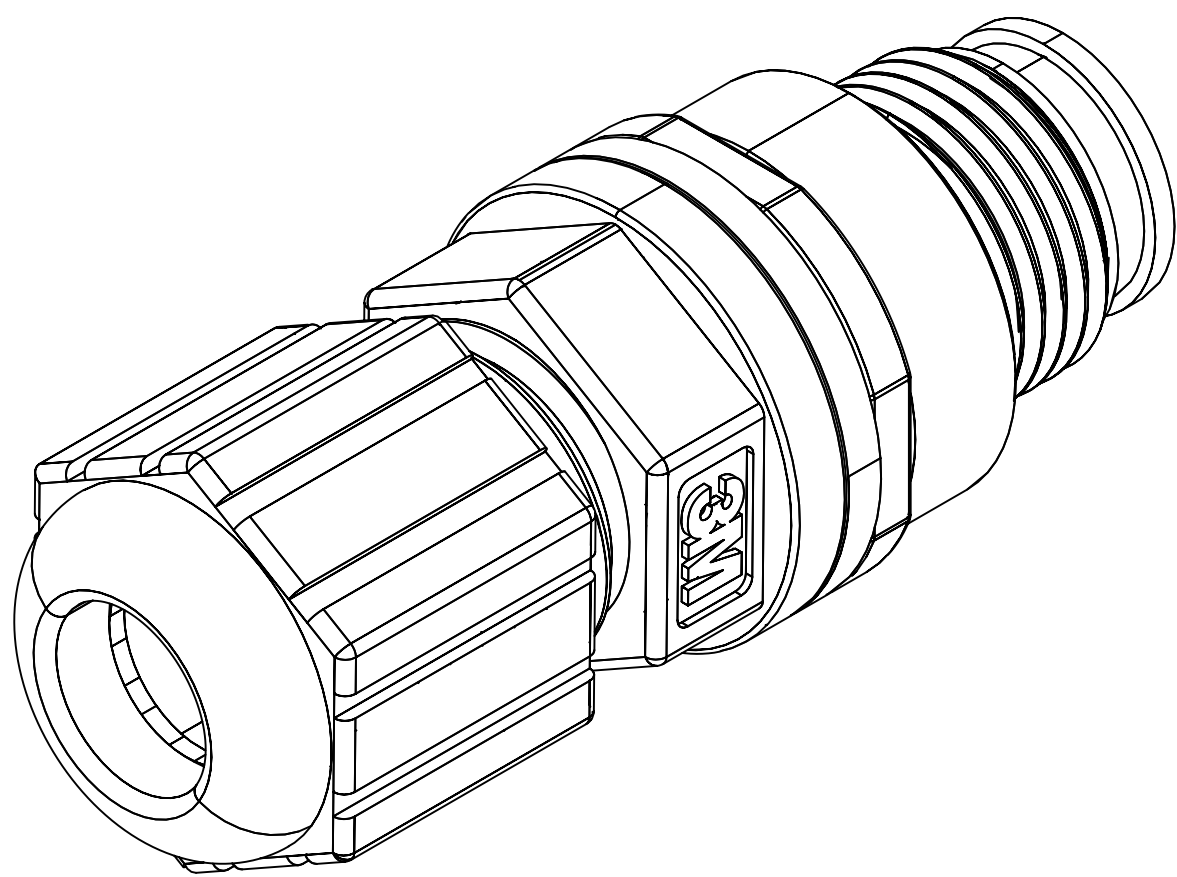
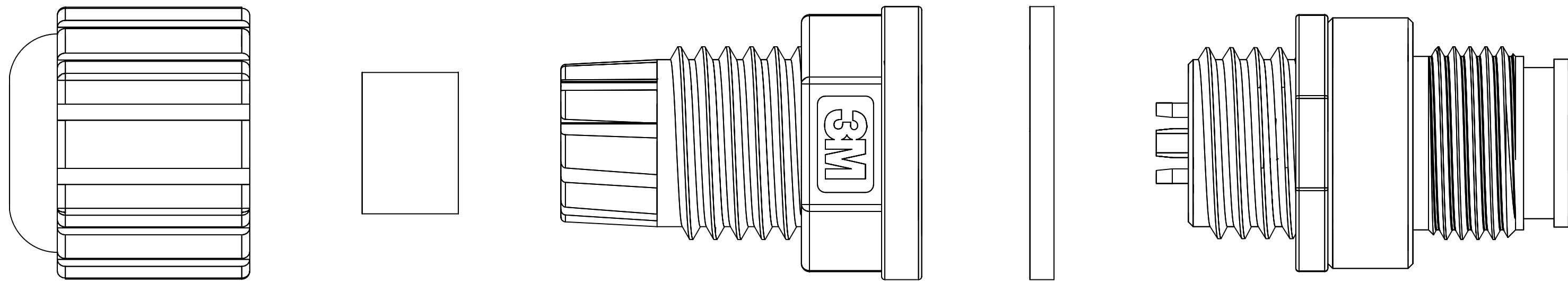
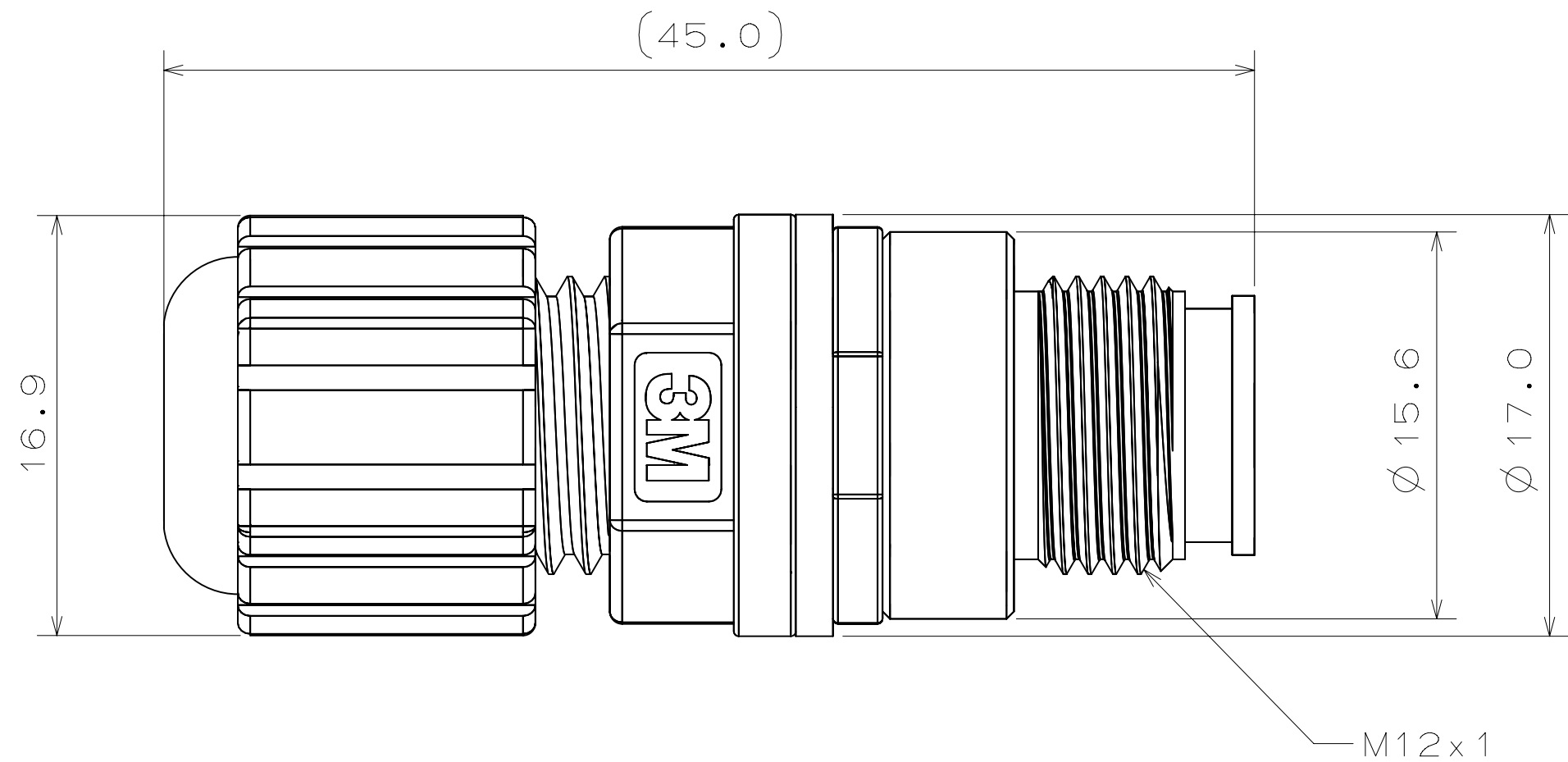


3M™ INDUSTRIAL M12 WM CONNECTOR
FOR 4POS, A-CODE, MALE, SOLDER TYPE



Pin Assignment

ORDERING INFORMATION M12 WM CONNECTOR

3N1 04-A000-S08 BF

PRODUCTION SERIES
3N1: INDUSTRIAL M12 WM
MALE CONNECTOR

PLATING SUFFIX
BF: CONTACT AREA 0.2µm GOLD

CONTACT QUANTITY
04: 4 PIN

IP CLASS
8: IP68

CODE
A: A CODE

WIRING METHOD
S: SOLDER TYPE

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING INFORMATION
CALL YOUR LOCAL SALES REPRESENTATIVE

PERFORMANCE

1)MECHANICAL
POLARIZING METHOD:35N MIN.

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

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

2)ELECTRICAL
CURRENT RATING:4.0A

VOLTAGE RATING:250VDC

WITHSTANDING VOLTAGE:1000VACrms

INSULATION RESISTANCE:1×10⁹ OHMS at 500VDC

CONTACT RESISTANCE:
10 MILLI OHM AT INITIAL CONDITION
DELTA R 15 MILLI OHM MAX. AFTER
EVALUATION TEST BASED ON 78-5102-0150-8

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 MATERIAL:
BODY:THERMOPLASTIC,UL 94VO
COVER:THERMOPLASTIC,UL 94VO
GLAND NUT:
THERMOPLASTIC, UL 94VO
CONTACT:COPPER ALLOY
- 2 PLATING
CONTACT AREA:0.2µm GOLD MIN.
- 3 MATED WITH INDUSTRIAL M12
FEMALE CONNECTOR
- 4 COMPATIBLE CABLE:
1)WIRE
AWG 20 STRANDED
AWG 24 STRANDED
2)CABLE OUTER DIAMETER
4.0 to 6.5mm
- 5 RoHS COMPLIANT.
SEE THE REGULATORY
INFORMATION APPENDIX (RIA)
IN THE "RoHS COMPLIANCE"
SECTION OF
WWW.3MCONNECTORS.COM FOR
COMPLIANCE INFORMATION
(RIA E1 & C1 APPLY).
- 6 FOR PRODUCT SPECIFICATIONS
AND WARRANTY INFORMATION
SEE 3M 78-5102-0150-8
- 7 IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND
THAT CONTAINED IN THE
PRODUCT SPECIFICATION,
THE PRODUCT SPECIFICATION
TAKES PRECEDENT.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIST		T.OHTA		SEP 06,2012	MFG	DATE			
DIVISION		DIVISION CODE		CHKD	DATE	APPR		DATE	
Interconnect Solutions		ISD		CHKD	SEP 06,2012	H.KOSUGI		SEP 06,2012	
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED		3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2012 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.	
THIRD ANGLE PROJECTION	INCHES	MILLIMETERS		TITLE INDUSTRIAL M12 WIRE MOUNT, FOR A-CODE, MALE, SOLDER TYPE					
INTERPRET PER ASME Y14.5 - 1994	.00 ±	0 ±		CAGE NUMBER		DRAWING NO.		REV.	
MAX SURFACE ROUGHNESS	.000 ±	.00 ±		D		78-5100-2559-2		A	
MARKED ONLY	ANGLES	MODEL		DET		LTS		YES NO SHT 1 OF 1	