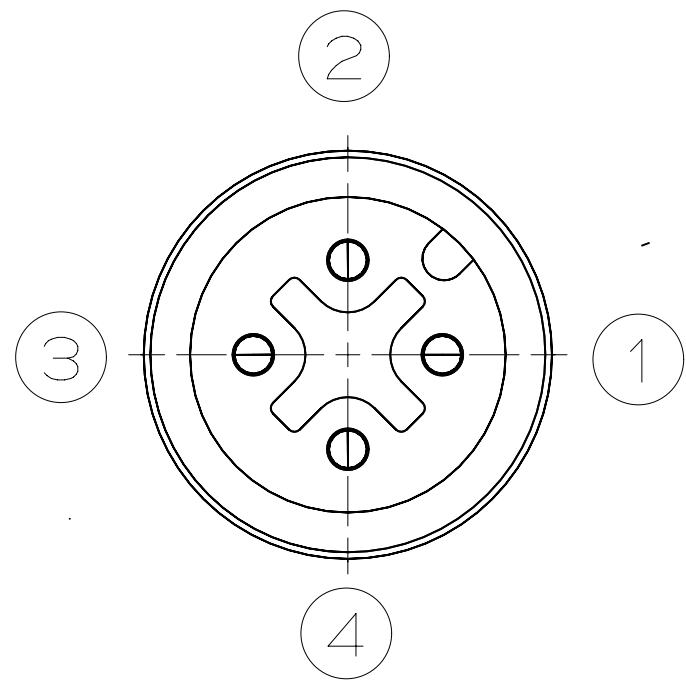
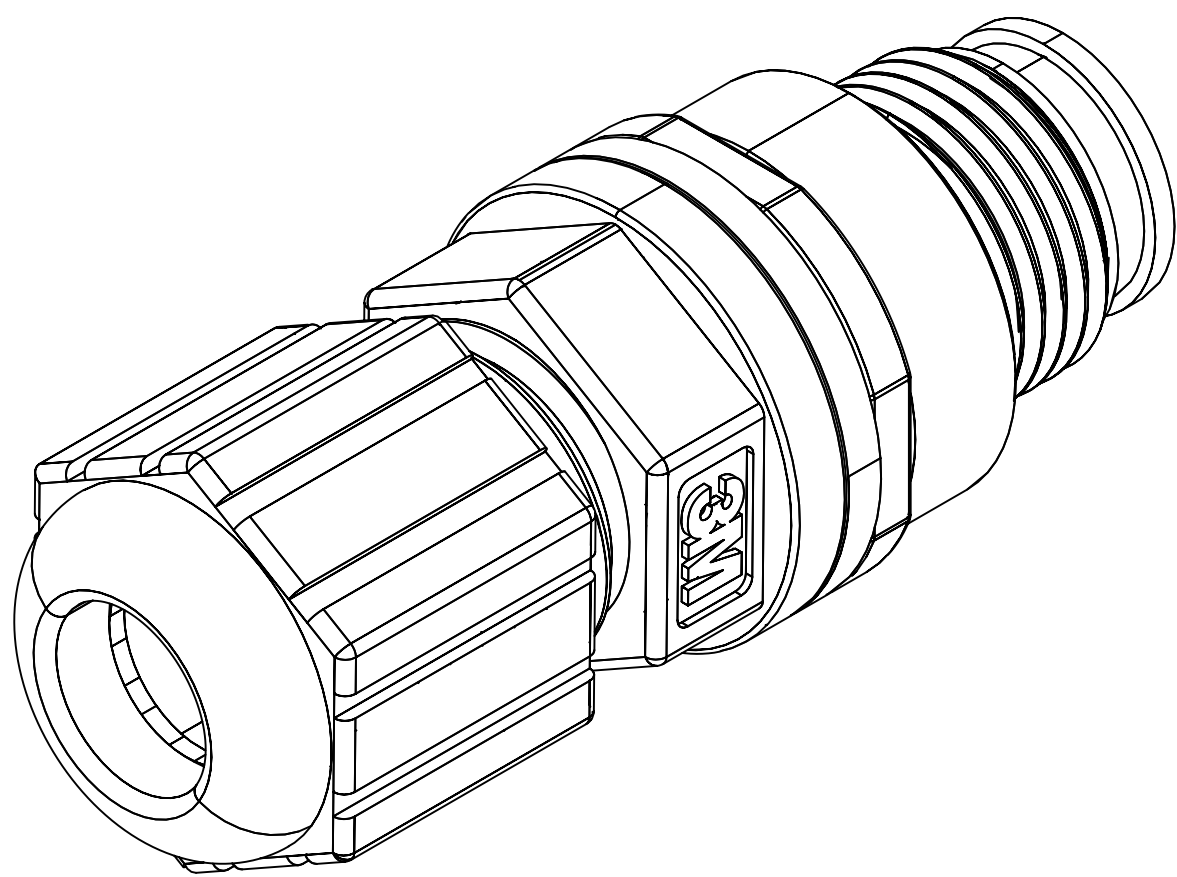
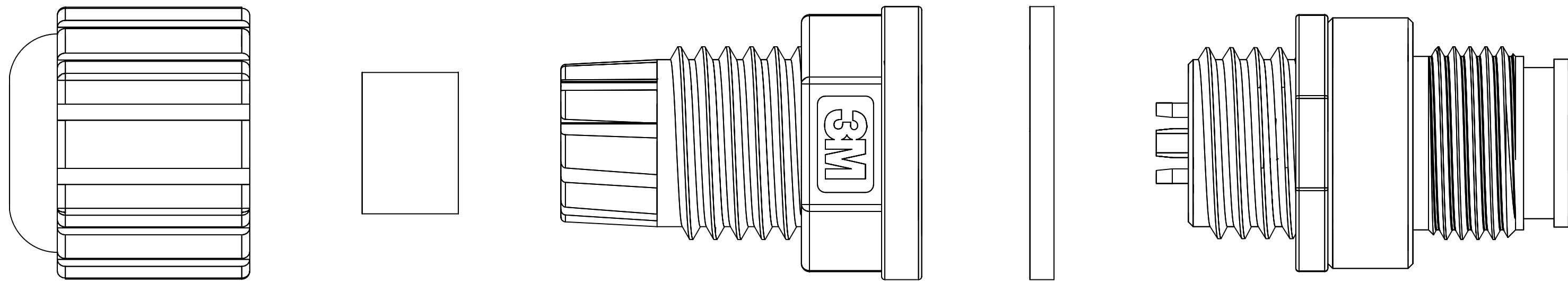
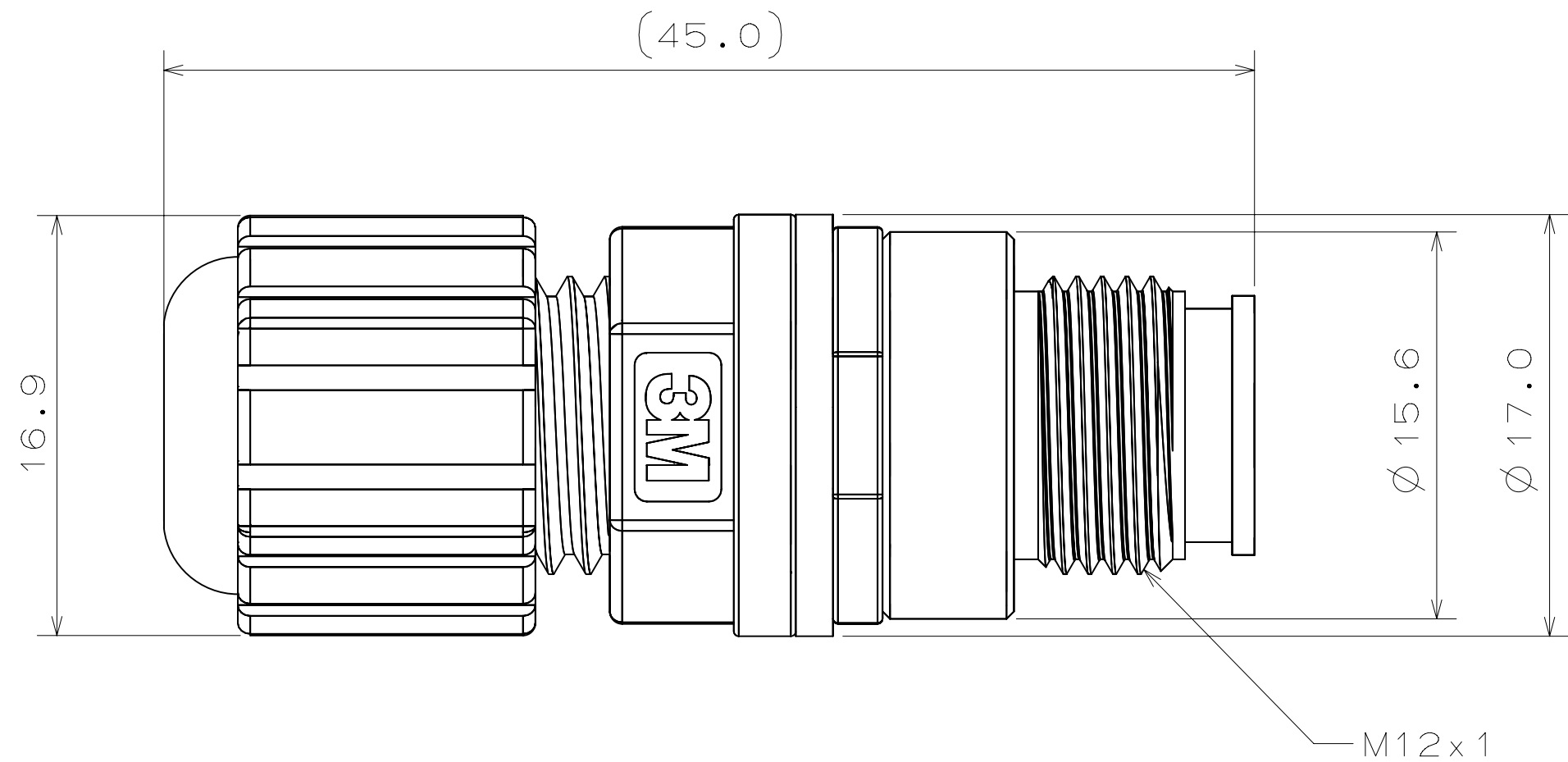


3M™ INDUSTRIAL M12 WM CONNECTOR
FOR 4POS, A-CODE, MALE, SOLDER TYPE



Pin Assignment

ORDERING INFORMATION M12 WM CONNECTOR

3N1 04-A000-S08 BF

PRODUCTION SERIES
3N1: INDUSTRIAL M12 WM
MALE CONNECTOR

CONTACT QUANTITY
04: 4 PIN

CODE
A: A CODE

WIRING METHOD
S: SOLDER TYPE

PLATING SUFFIX
BF: CONTACT AREA 0.2µm GOLD

IP CLASS
8: IP68

PERFORMANCE

1) MECHANICAL
POLARIZING METHOD: 35N MIN.

CONTACT INSERTION FORCE: 10N/pin MAX.
CONTACT WITHDRAWL 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: 1x10⁹ 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

- MATERIAL:
BODY: THERMOPLASTIC, UL 94V0
COVER: THERMOPLASTIC, UL 94V0
GLAND NUT:
THERMOPLASTIC, UL 94V0
CONTACT: COPPER ALLOY
- PLATING
CONTACT AREA: 0.2µm GOLD MIN.
- MATED WITH INDUSTRIAL M12
FEMALE CONNECTOR
- COMPATIBLE CABLE:
1) WIRE
AWG 20 STRANDED
AWG 24 STRANDED
2) CABLE OUTER DIAMETER
4.0 to 6.5mm
- RoHS COMPLIANT.
SEE THE REGULATORY
INFORMATION APPENDIX (RIA)
IN THE "RoHS COMPLIANCE"
SECTION OF
WWW.3MCONNECTORS.COM FOR
COMPLIANCE INFORMATION
(RIA E1 & C1 APPLY).
- FOR PRODUCT SPECIFICATIONS
AND WARRANTY INFORMATION
SEE 3M 78-5102-0150-8
- IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND
THAT CONTAINED IN THE
PRODUCT SPECIFICATION,
THE PRODUCT SPECIFICATION
TAKES PRECEDENT.

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

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FOR TECHNICAL, SALES OR ORDERING INFORMATION
CALL YOUR LOCAL SALES REPRESENTATIVE

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIST		CODE		DRP	T.OHTA	DATE	SEP 06, 2012	MFG	DATE
CHGD		CHGD		CHKD	DATE	SEP 06, 2012	APPR	H.KOSUGI	DATE
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2012					
Interconnect Solutions		ISD		3M Center St. Paul, MN 55144					
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THIRD ANGLE PROJECTION		INCHES		MILLIMETERS		TITLE			
INTERPRET PER ASME Y14.5 - 1994		.00 ±		0 ±		INDUSTRIAL M12 WIRE MOUNT, FOR A-CODE, MALE, SOLDER TYPE			
MAX SURFACE ROUGHNESS		.000 ±		.00 ±		CAGE NUMBER			
MARKED ONLY		.000 ±		.00 ±		DRAWING NO.			
		.000 ±		.00 ±		78-5100-2559-2			
		.000 ±		.00 ±		REV.			
		.000 ±		.00 ±		A			
		.000 ±		.00 ±		MODEL			
		.000 ±		.00 ±		DET			
		.000 ±		.00 ±		LISTS			
		.000 ±		.00 ±		YES			
		.000 ±		.00 ±		NO			
		.000 ±		.00 ±		SHT 1 OF 1			