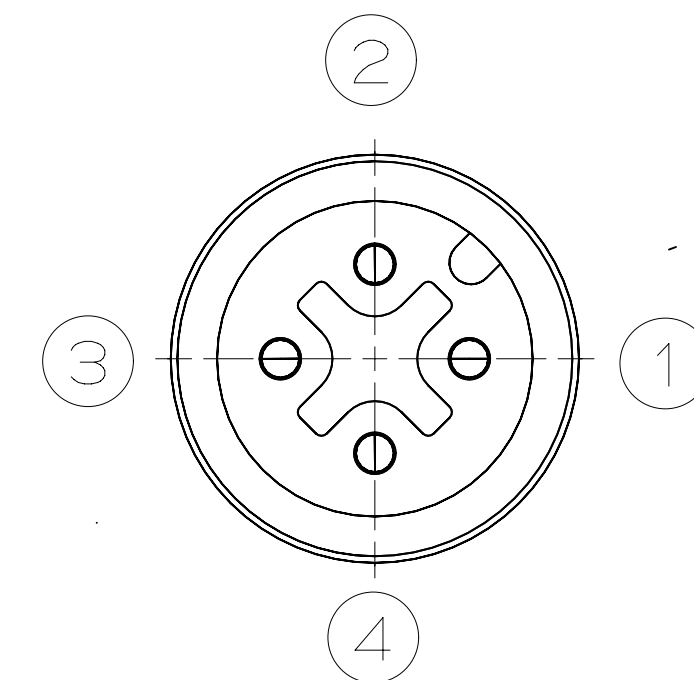
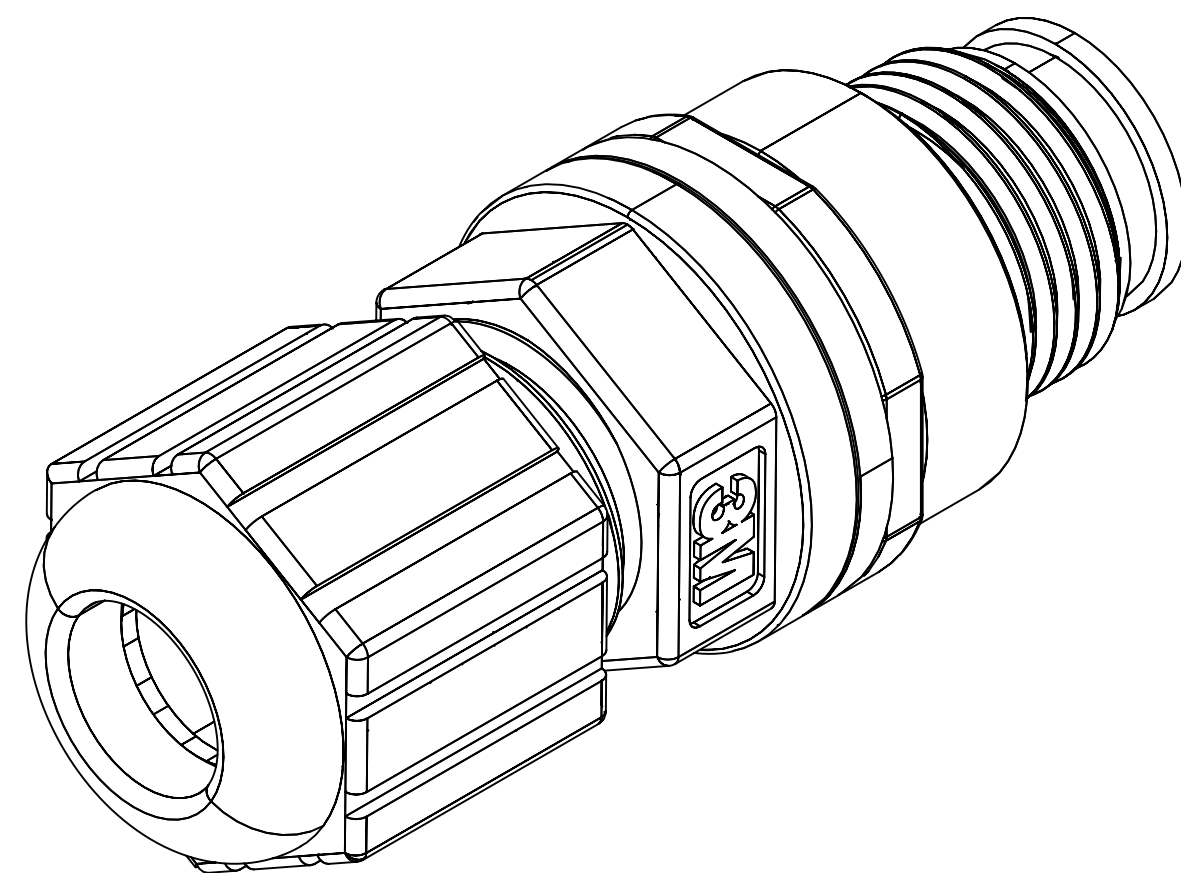
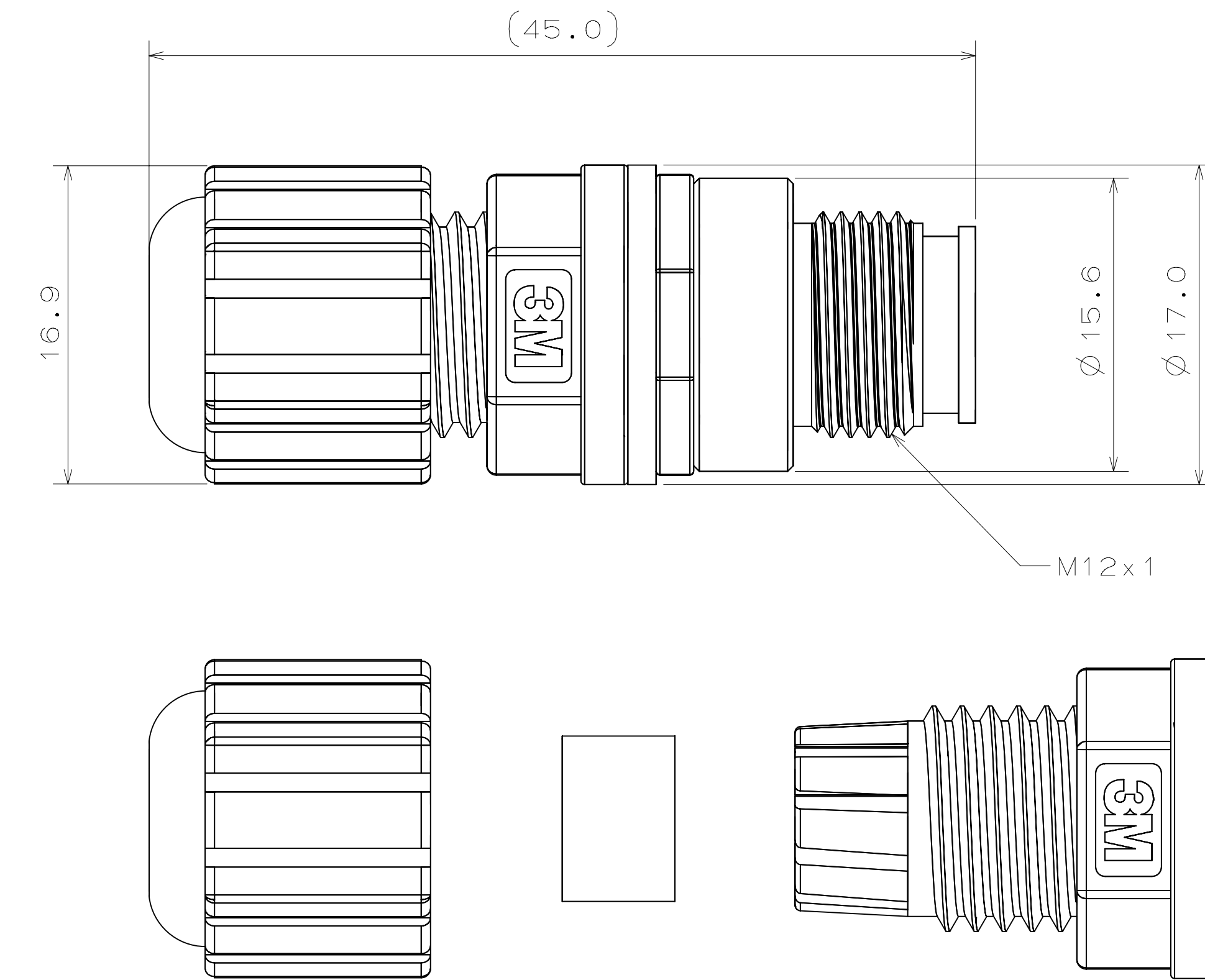


3M™ INDUSTRIAL M12 WM CONNECTOR

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 0.2 μ m GOLD

CONTACT QUANTITY
04: 4 PIN

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- IP CLASS
  8: IP68

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CODE
A: A CODE

WIRING METHOD
S: SOLDER TYPE

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

PERFORMANCE

- 1) MECHANICAL
POLARIZING METHOD: 35N MIN.
CONTACT INSERTION FORCE: 10N/pin MAX.
CONTACT WITHDRAWAL FORCE: 15N/pin MAX.
WATERPROOF: 1P68 (IN WATER 1mm DEPTH, 24H)

- 2) ELECTRICAL
CURRENT RATING: 4.0A
VOLTAGE RATING: 250VDC
WITHSTANDING VOLTAGE: 1000VACrms
INSULATION RESISTANCE: 1×10^9 OHMS at 500VDC

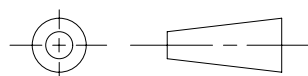
CONTACT RESISTANCE:
10 MILLI OHM AT INITIAL CONDITION
DELTA R 15 MILLI OHM MAX. AFTER
EVALUATION TEST BASED ON 78-5102-0150-8

- 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: 0.2um 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.

				A		43071		SEP 06,2012				T.O		H.K					
								PRODUCTION RELEASE											
DESIGN REFERENCE				NEXT ASSEMBLY				REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
DISTRIBUTION CODES				_____				REV T. CHITA		DATE SEP 06,2012		MFG				DATE		_____	
_____				_____				CHRD		DATE		APPR. H.KOSUGI				DATE SEP 06,2012		_____	
DIVISION				DIVISION CODE				3M Center 55 - Paul, MN 55144				© 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 or disclosed other than for 3M authorized purposes. All rights reserved.							
Interconnect Solutions				150															
DO NOT SCALE				TOLERANCES EXCEPT AS NOTED															
DRAWING				INCHES				TITLE				INDUSTRIAL M12 WIRE MOUNT, FOR A-CODE, MALE, SOLDER TYPE							
				.0 ± .00 ± .000 ± .000 ±				THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 1994											
THIRD ANGLE PROJECTION				MILLIMETERS				0 ± .0 ± .3 .00 ± .13 .000 ±											
MAX SURFACE ROUGHNESS				_____				CAGE NUMBER				SIZE		DRAWING NO.				REV.	
☒ MARKED ONLY				ANGLES				D		78-5100-2559-2		A							
								MODEL		DET. LISTS		YES X NO		SHT 1 OF 1					