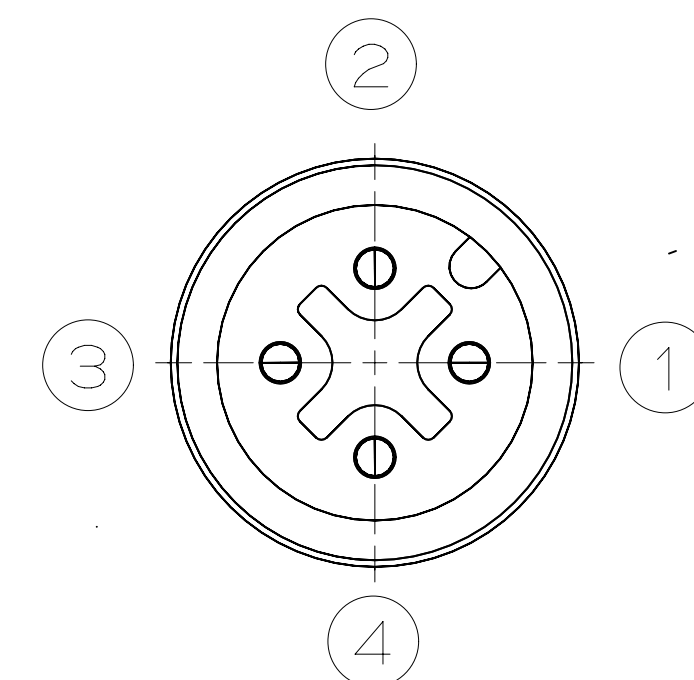
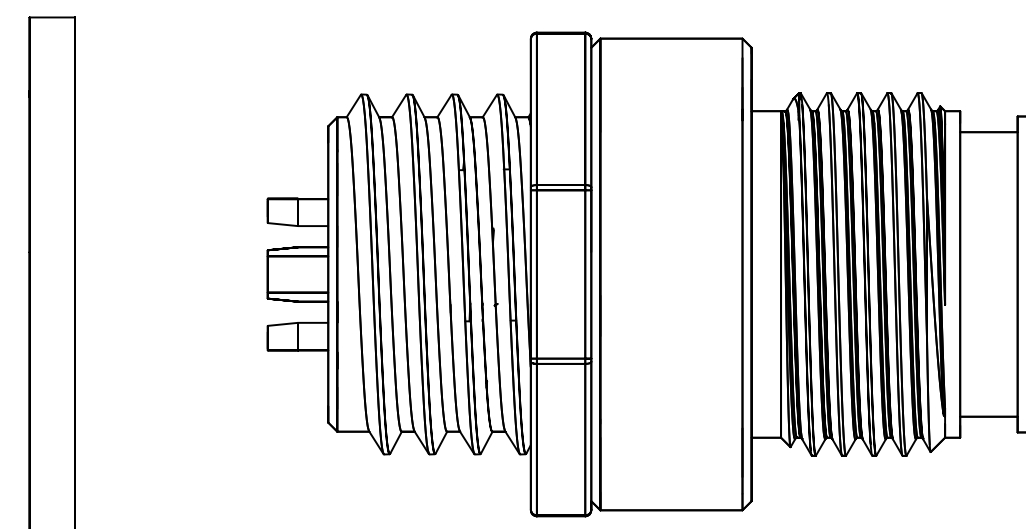
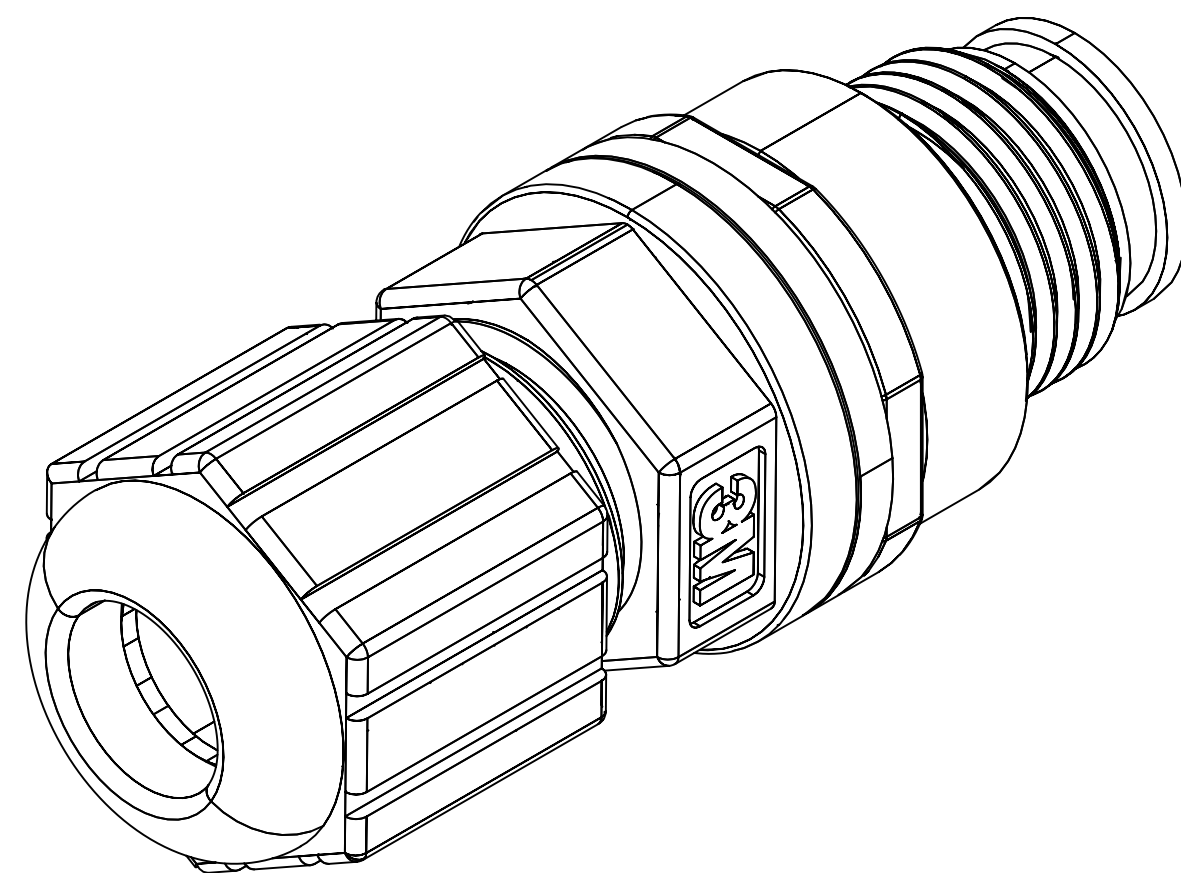
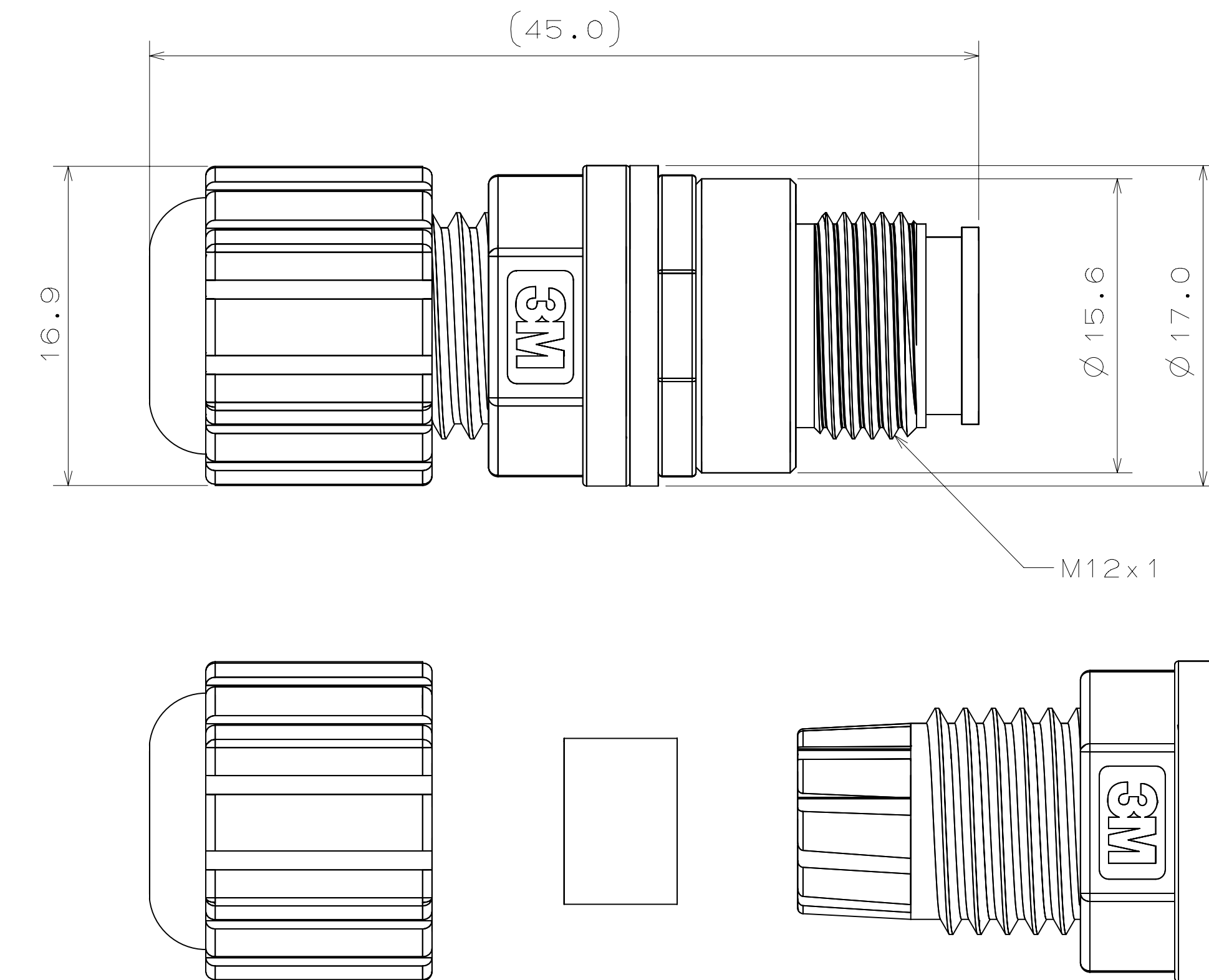


3M™ INDUSTRIAL M12 WM CONNECTOR

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>

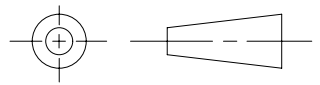
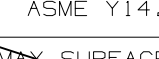
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CALL YOUR LOCAL SALES REPRESENTATIVE

PERFORMANCE

- 1) MECHANICAL
POLARIZING METHOD:35N MIN.
CONTACT INSERTION FORCE:10N/pin MAX.
CONTACT WITHDRAWL FORCE:15N/pin MAX.
WATERPROOF:IP68 (IN WATER 1mm DEPTH, 24H)
- 2) ELECTRICAL
CURRENT RATING:4.0A
VOLTAGE RATING:250VDC
WITHSTANDING VOLTAGE:1000VACrms
INSULATION RESISTANCE: 1×10^8 OHMS at 500VDC
CONTACT RESISTANCE:
10 MILLI OHM AT INITIAL CONDITION
DELTA R 15 MILLI OHM MAX. AFTER
EVALUATION TEST BASED ON 78-5102-0150-8
- 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	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	
DISTRIBUTION CODES		_____		REV T. CHITA		DATE SEP 06,2012		MFG H.KOSUGI		DATE SEP 06,2012	
_____		_____		CHRD		DATE		APPR. H.KOSUGI		DATE SEP 06,2012	
DIVISION		DIVISION CODE		 3M Center 55 - Pauli, 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		MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±									
MAX SURFACE ROUGHNESS  SURFACES ☒ MARKED ONLY		ANGLES		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
				D		78-5100-2559-2		A			
				MODEL		DET. LISTS		YES X NO		SHT 1 OF 1	