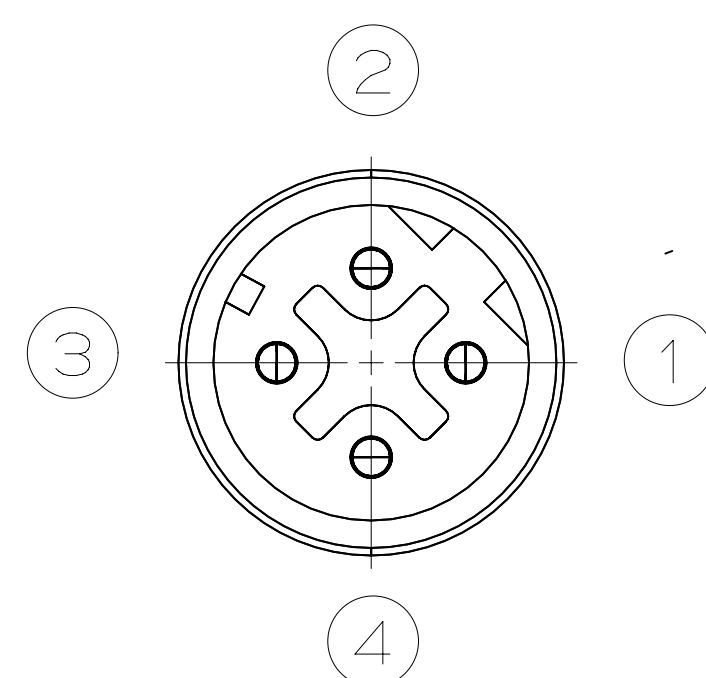
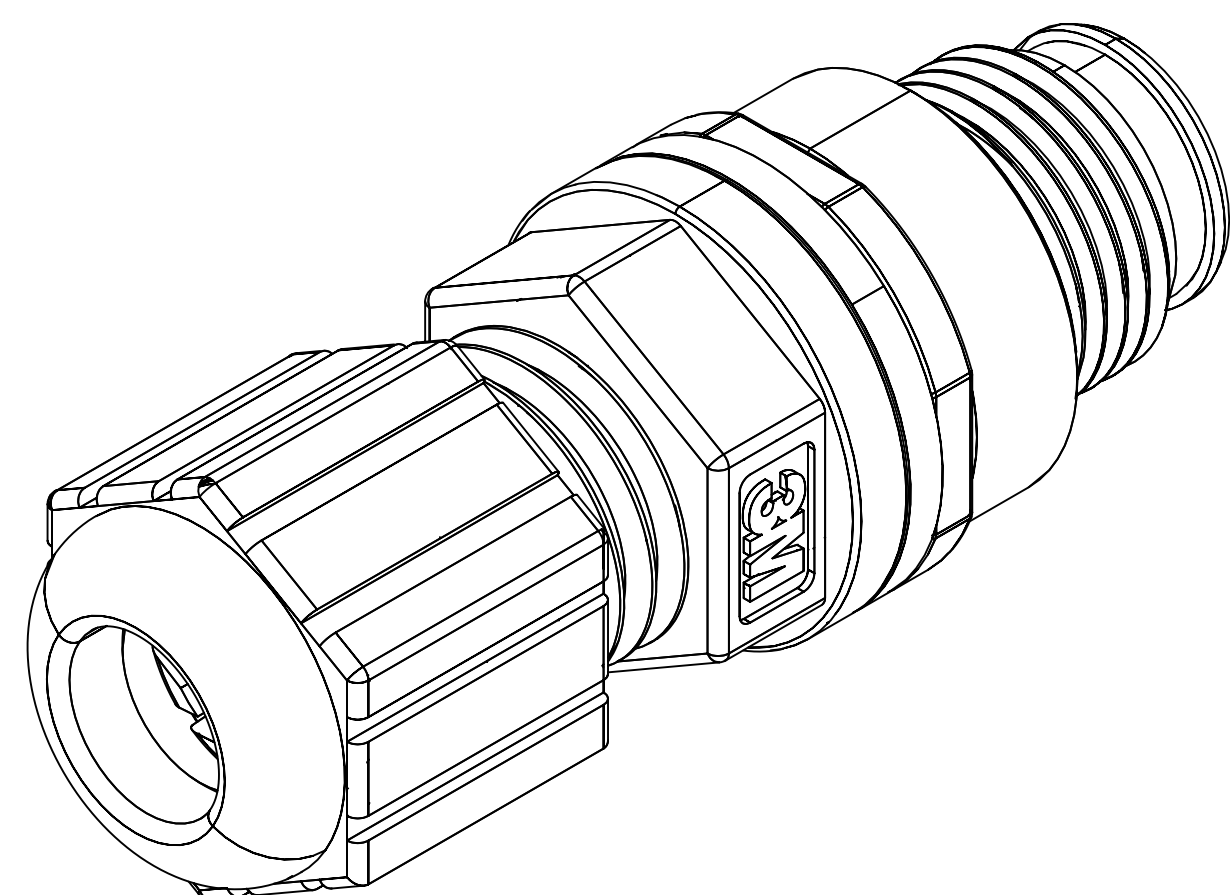
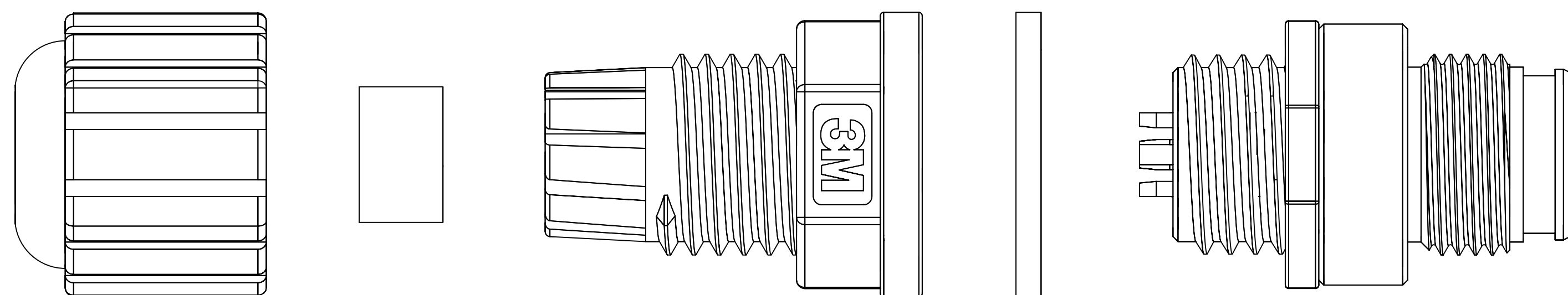


FOR 4POS, D-CODE, MALE, SOLDER TYPE



Pin Assignment

ORDERING INFORMATION M12 WM CONNECTOR

3N1 04-D000-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

```

- IP CLASS
8: IP68

```

CODE
D: D 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: 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
---	--

PLATING
CONTACT AREA: 0.2um GOLD MIN.

MATED WITH INDUSTRIAL M12
FEMALE CONNECTOR

COMPATIBLE CABLE:

```

1) WIRE
   AWG 20 STRANDED
   AWG 24 STRANDED

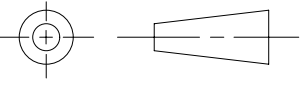
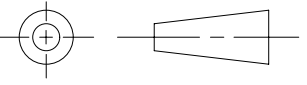
```

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.

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISPOSITION CODES				DIFF	T.OHTA	DATE	SEP 06,2012	MFG	DATE
				CHKD		DATE	APPLY H.KOSUGI	DATE	SEP 06,2012
DIVISION		DIVISION CODE		 3M Center St. Paul, MN 55144 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		ISO		© 3M COPYRIGHT 2012					
DO NOT SCALE		TOLERANCES EXCEPT AS NOTED							
DRAWING		INCHES		INDUSTRIAL					
		.0 ± .00 ± .000 ± .0000 ±		M12 WIRE MOUNT , FOR D-CODE , MALE , SOLDER TYPE					
THIRD ANGLE PROJECTION		MILLIMETERS		CAGE NUMBER					
INTERPRET PER ASME Y14.5 - 1994		0 ± .0 ± .3 .00 ± .13 .000 ±		SIZE					
MAX SURFACE ROUGHNESS		✓ ☐ MARKED ONLY		DRAWING NO.					
MAX SURFACES		ANGLE		D 78-5100-2557-6					
✓				MODEL					
				REV.					
				DET. LISTS ☐ YES ☒ NO SHT 1 OF 1					

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[3N104-D000-S08BF](#)