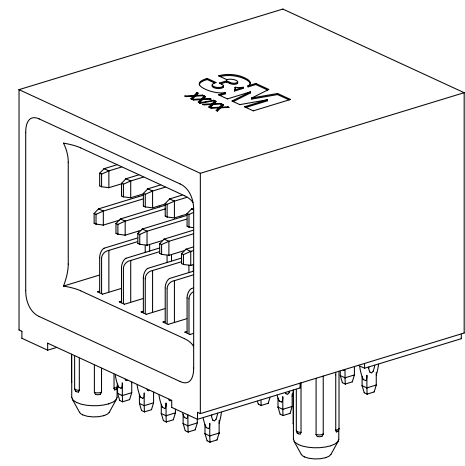
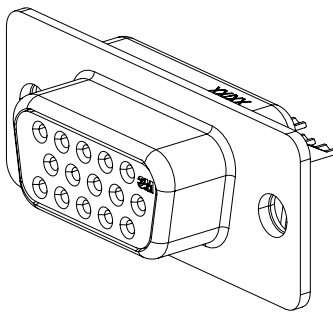


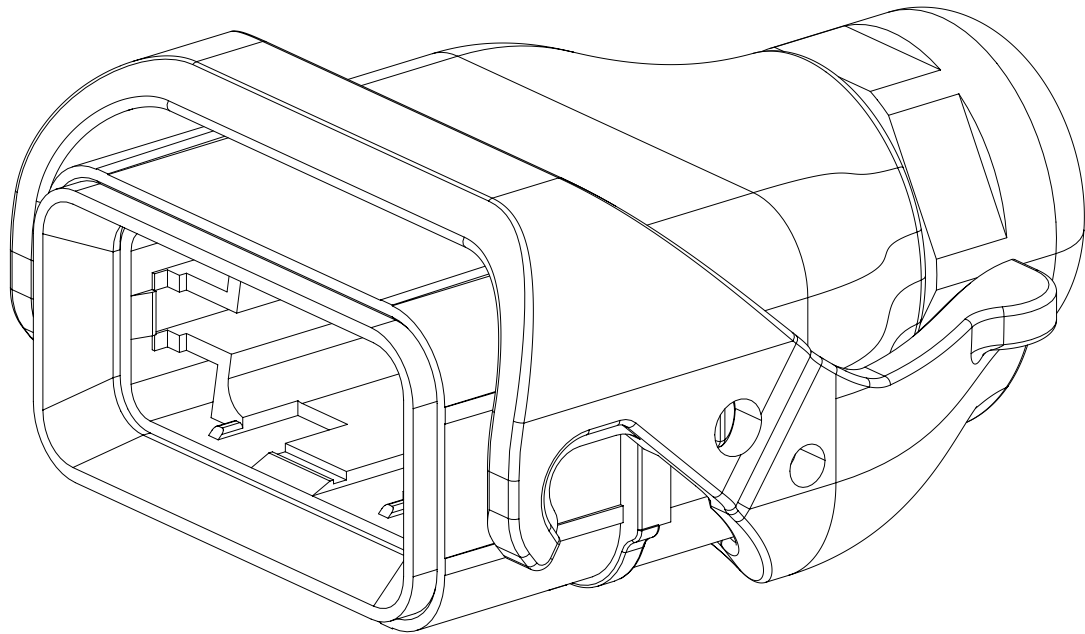
3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE



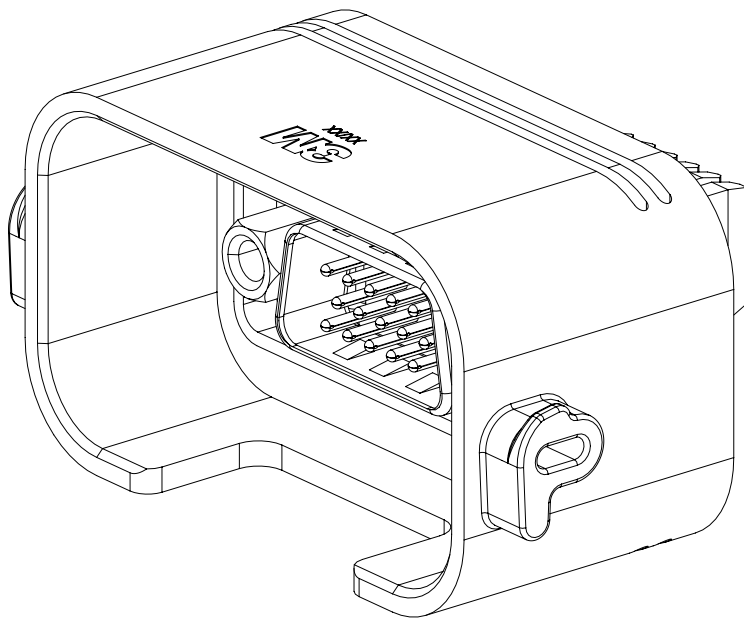
8PC15-PFRA
RIGHT ANGLE PCB
PRESS-FIT, MALE



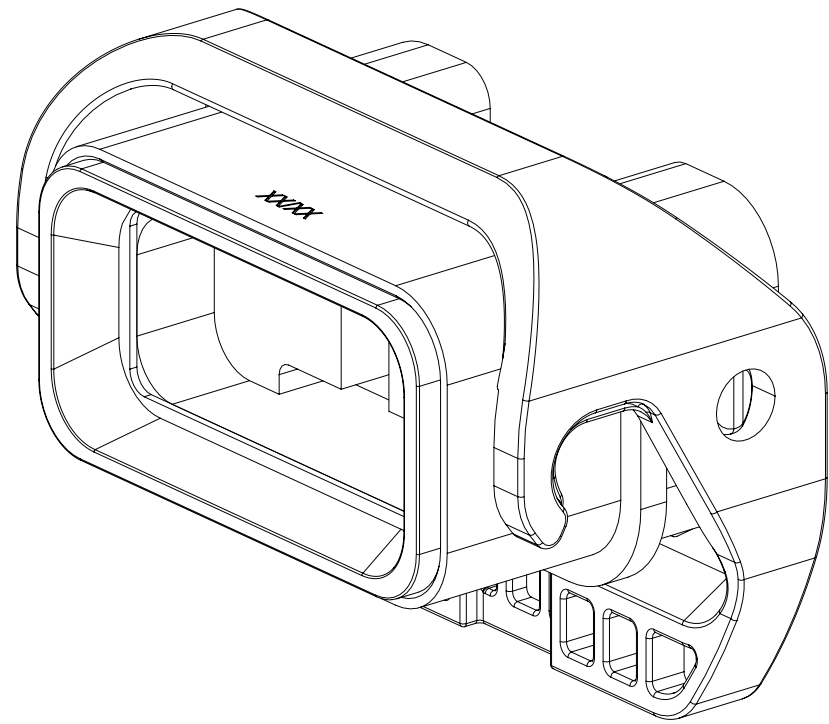
8PC15-WMCC
D-SUB, HD CABLE CONNECTOR
SOLDER CUP, FEMALE



8PC15-ACPC
WATERPROOF CAP
ASSEMBLY, D-SUB



8PC15-PC
WATERPROOF D-SUB
CONNECTOR, MALE



8PC15-NAPC
WATERPROOF CAP
BLANK PLUG,
D-SUB

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2 PHYSICAL :

8PC15-PFRA, 8PC15-WMCC AND 8PC15-PC
INSULATOR:
MATERIAL: GLASS FILLED POLYESTER (PBT)
FLAMMABILITY: UL94V-0
COLOR: BLACK

CONTACT:
MATERIAL: COPPER ALLOY

8PC15-PFRA, 8PC15-WMCC AND 8PC15-PC
PLATING:
UNDER PLATING: 1.27μm [50μ"] AVG. NICKEL-OVERALL
WIPING AREA: 0.38μm [15μ"] AVG. GOLD

8PC15-PFRA
SOLDER TAILS: 0.5-1.5μm [20-60μ"] MATTE TIN

8PC15-WMCC
SOLDER TAILS: 3-5μm [120-200μ"] MATTE TIN

8PC15-NAPC AND 8PC15-ACPC
MAIN BODY:
MATERIAL: GLASS FILLED NYLON (PA6)
FLAMMABILITY: UL94V-0
COLOR: BLACK

8PC15-PFRA, 8PC15-WMCC, 8PC15-PC,
8PC15-NAPC AND 8PC15-ACPC
MARKINGS: 3M LOGO, DATE CODE

2 ELECTRICAL :

CURRENT RATING: 3A
VOLTAGE RATING: 220V
CONTACT RESISTANCE: ≤15mΩ
INSULATION RESISTANCE: ≥5000MΩ
WITHSTANDING VOLTAGE: 1000Vrms, 1mA, 60s

2 MECHANICAL :

8PC15-WMCC
INSERTION FORCE: ≤3.3N/PIN
EXTRACTION FORCE: ≥0.3N/PIN
WIRE GAUGE: 24-30 AWG

8PC15-NAPC
MECHANICAL LIFE: 50 CYCLES

8PC15-ACPC
MECHANICAL LIFE: 50 CYCLES
WIRE GAUGE: ADAPTOR CABLE OUTER DIA. 5-9MM
CABLE RETENTION FORCE: 100N MIN.

2 ENVIRONMENTAL :

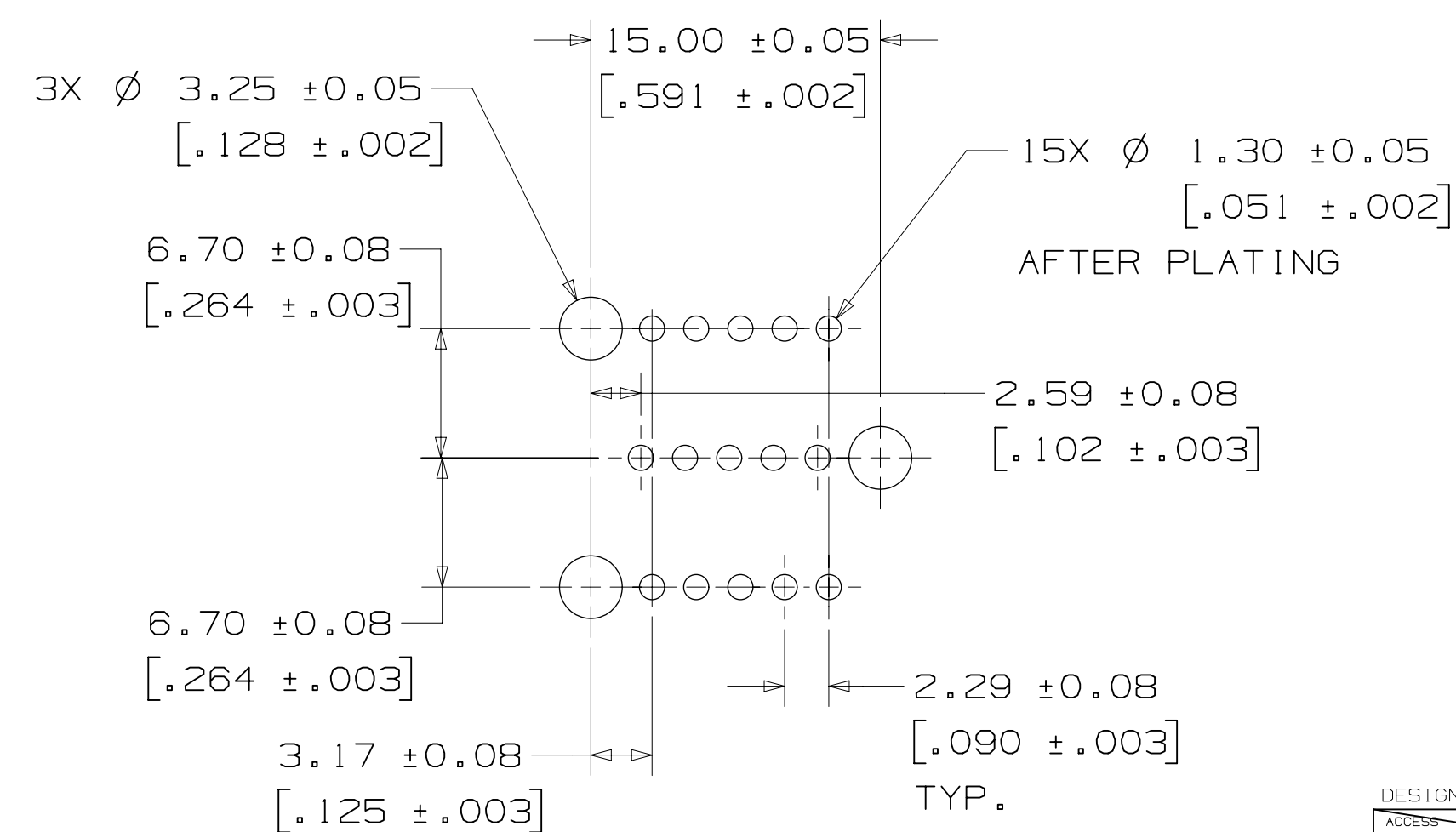
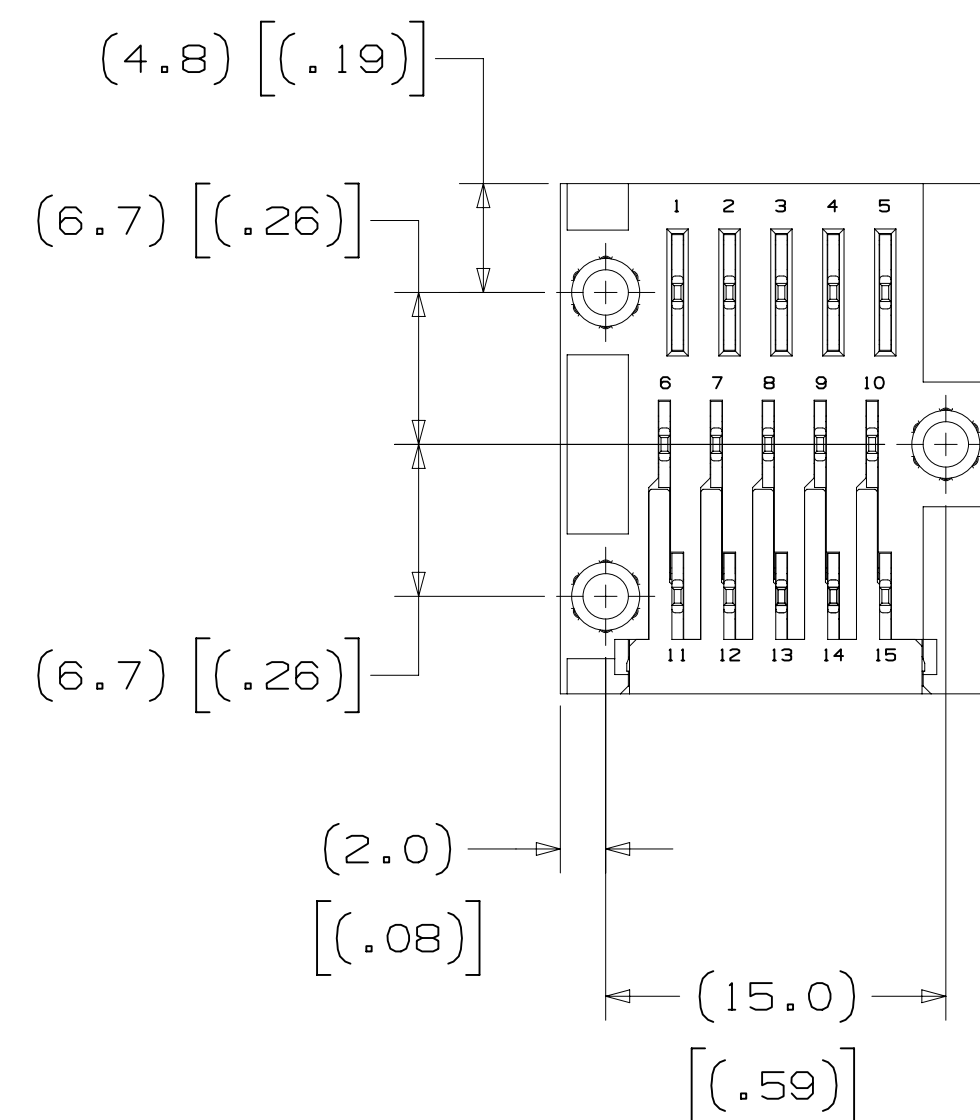
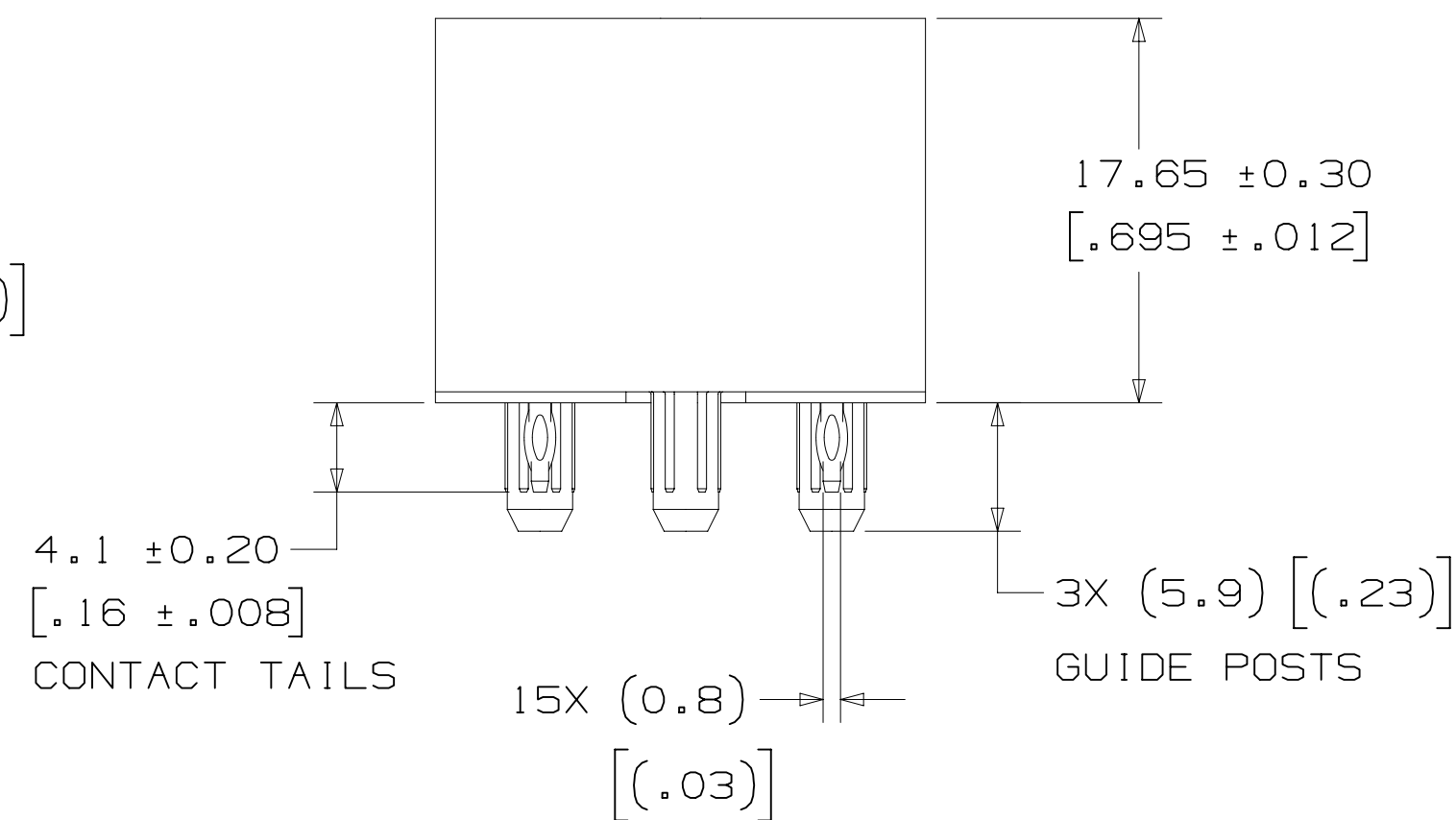
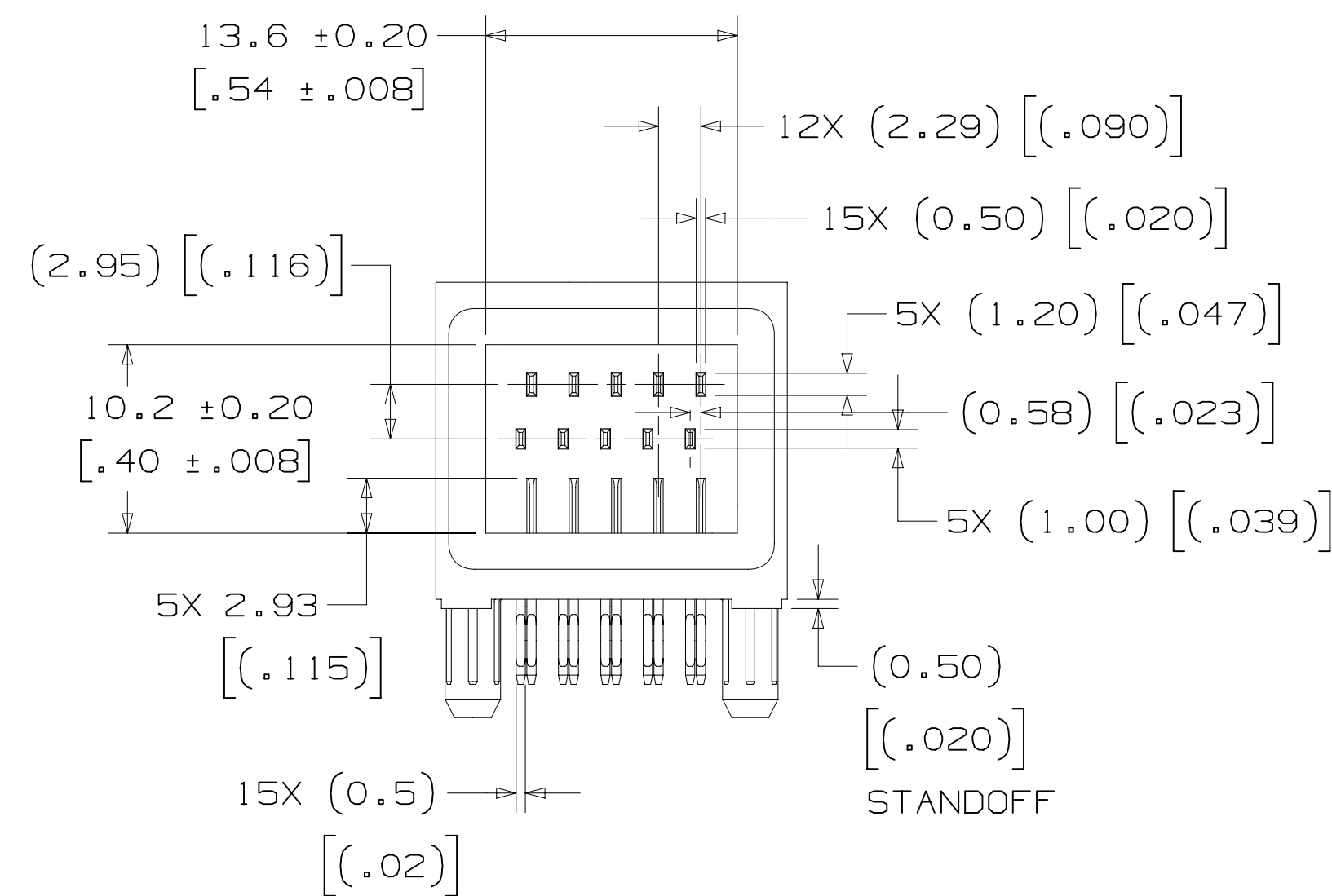
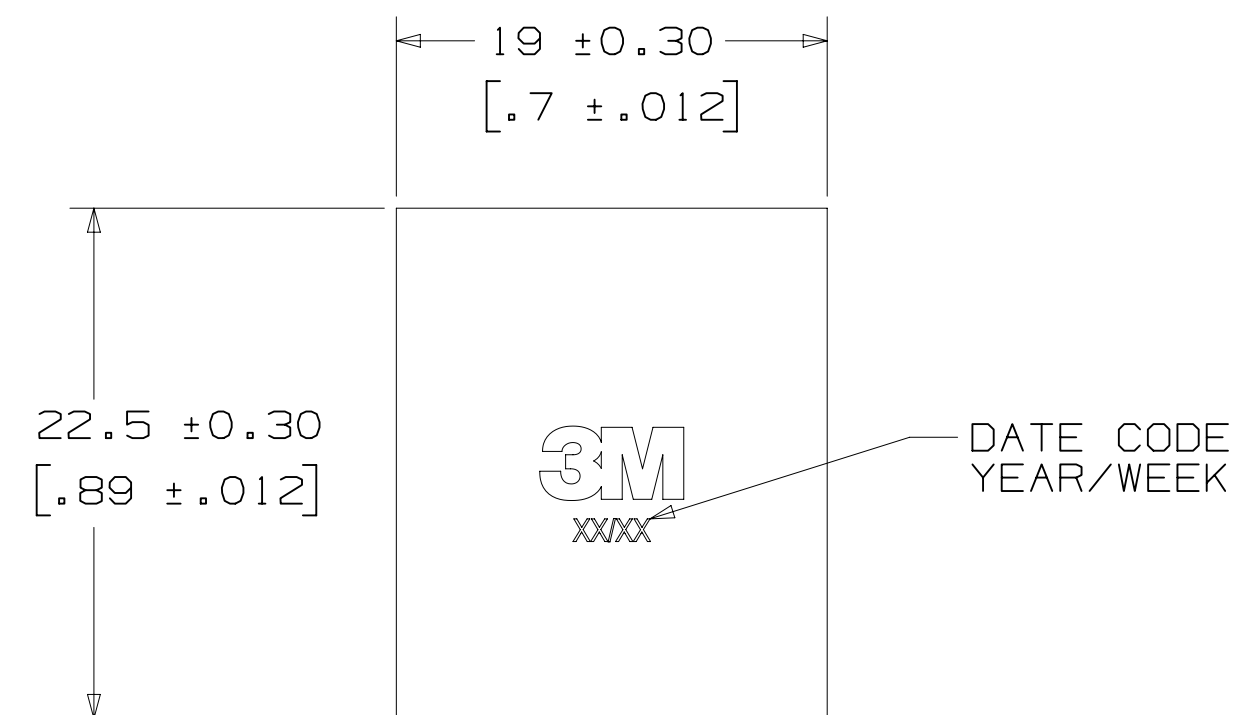
WORKING TEMP: -40° C TO +85° C

- NOTES
1. REGULATORY INFORMATION:
VISIT 3M.com/regs
 2. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.

DIMENSIONS: MM [INCH]
[INCH] IS FOR REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIVISION CODE		CHKD	CHKD	DATE	DATE	DATE	DATE
		EMSD		CASTIGLIONE	CHKD	AUG 17, 2023	MFG	AUG 30, 2023	
DIVISION		SCALE		APPRV		DATE		DATE	
		DO NOT SCALE DRAWING		J. GOERTZ		AUG 17, 2023		AUG 30, 2023	
TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS		TOLERANCES EXCEPT AS NOTED		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		0 ± .50		0 ± .13		0 ± .50		0 ± .13	
INTERPRET PER ASME Y14.5 - 2018		0 ± .50		0 ± .13		0 ± .50		0 ± .13	
MAX SURFACE ROUGHNESS		0 ± .50		0 ± .13		0 ± .50		0 ± .13	
SURFACES		0 ± .50		0 ± .13		0 ± .50		0 ± .13	
MARKED ONLY		0 ± .50		0 ± .13		0 ± .50		0 ± .13	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		REV.	
D		78-5100-2789-5		A		A		A	
MODEL		LISTS		YES		NO		SHT 1 OF 7	

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE



ORDERING INFORMATION
8PC15-PFRA

SERIES —

NOTE:
1) TRAY PACKAGING

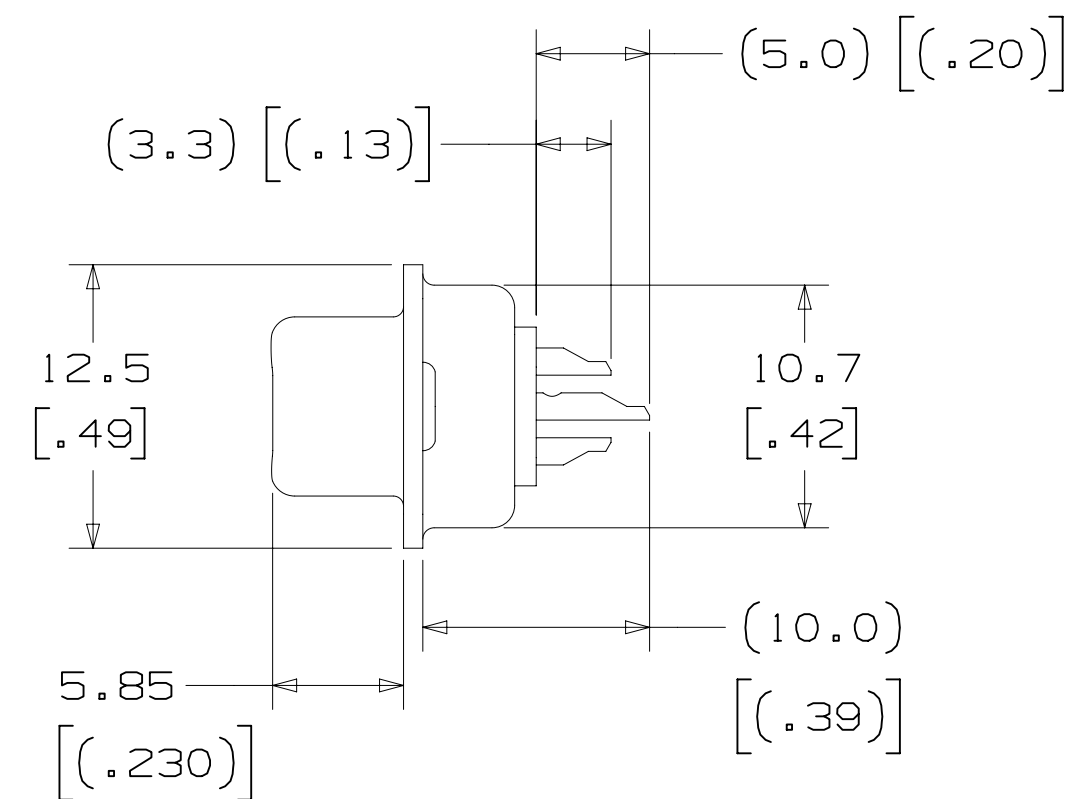
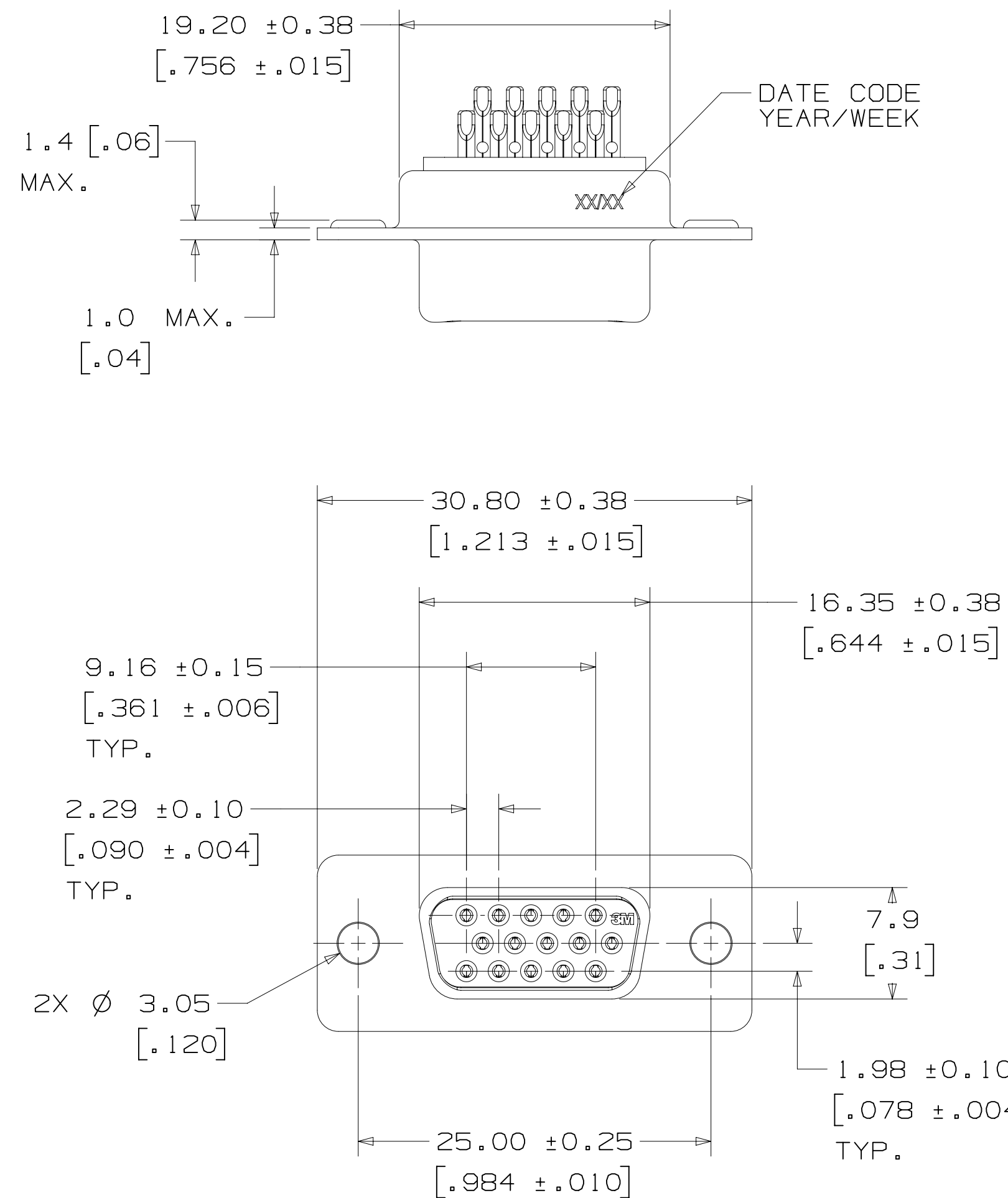
RECOMMENDED HOLE PATTERN
(AS VIEWED FROM CONNECTOR SIDE)
PCB THICKNESS 2.0MM MIN.

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A 111930		AUG 30, 2023		JNC		JG	
PRODUCTION RELEASE							
REV ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DRAWN BY CASTIGLIONE		DATE AUG 17, 2023		MFG J. GOERTZ		DATE AUG 30, 2023	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2024			
DO NOT SCALE DRAWING		SCALE 3 1		TOLERANCES EXCEPT AS NOTED			
THIRD ANGLE PROJECTION		INCHES		MILLIMETERS			
INTERPRET PER ASME Y14.5 - 2018		0.00 ± 0.000 ±		0 ±.50 0 ±.38			
MAX. SURFACE ROUGHNESS 12.5 μm		0.00 ± 0.000 ±.13		CASE NUMBER 578-5100-2789-5			
CHECKED BY SURFACES ONLY		ANGLES		MODEL DET. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 2 OF 7			

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE



ORDERING INFORMATION


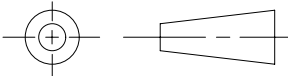
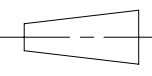
8PC15-WMCC

SERIES

NOTE:
1) TRAY PACKAGING

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<http://www.3M.com/interconnect>

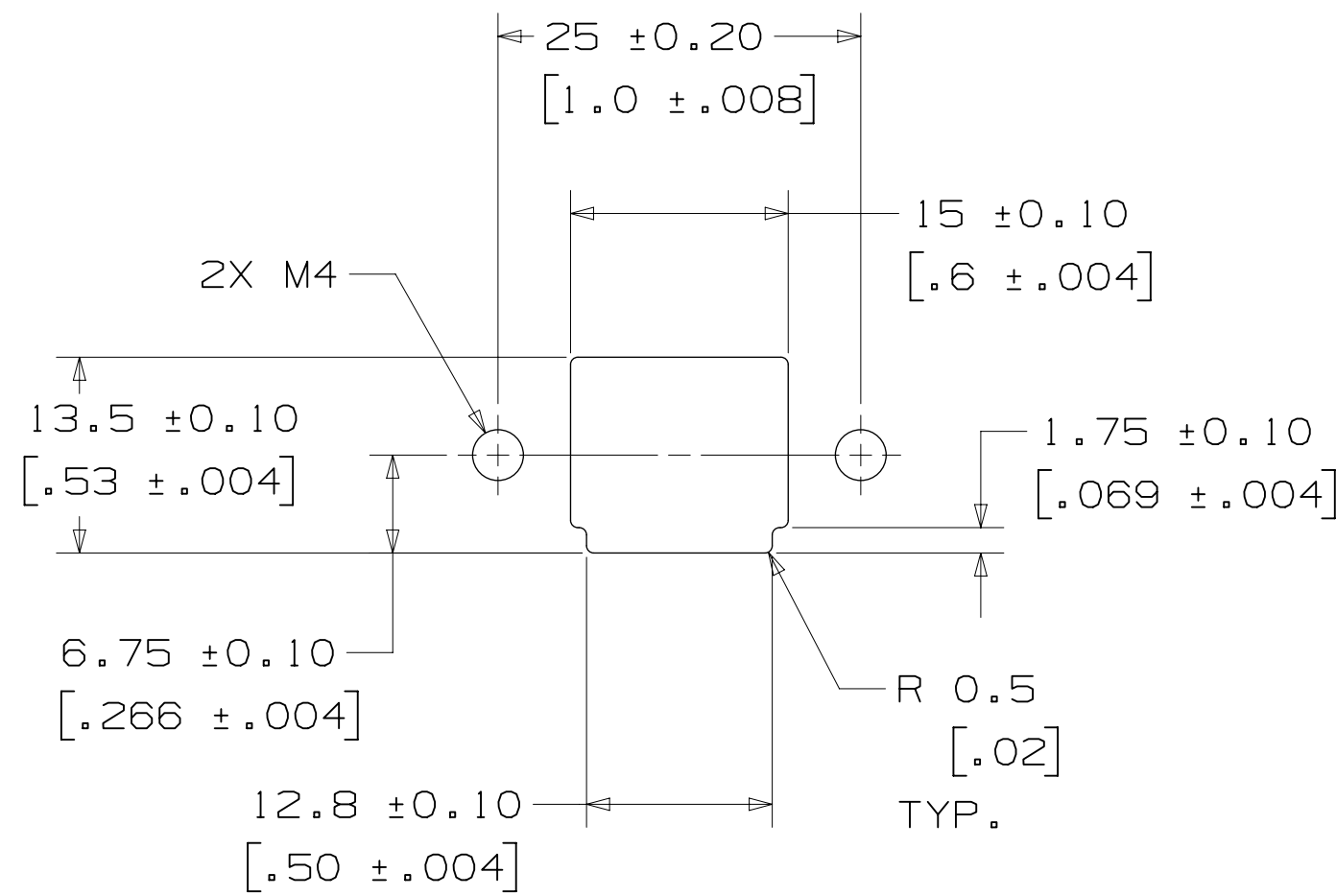
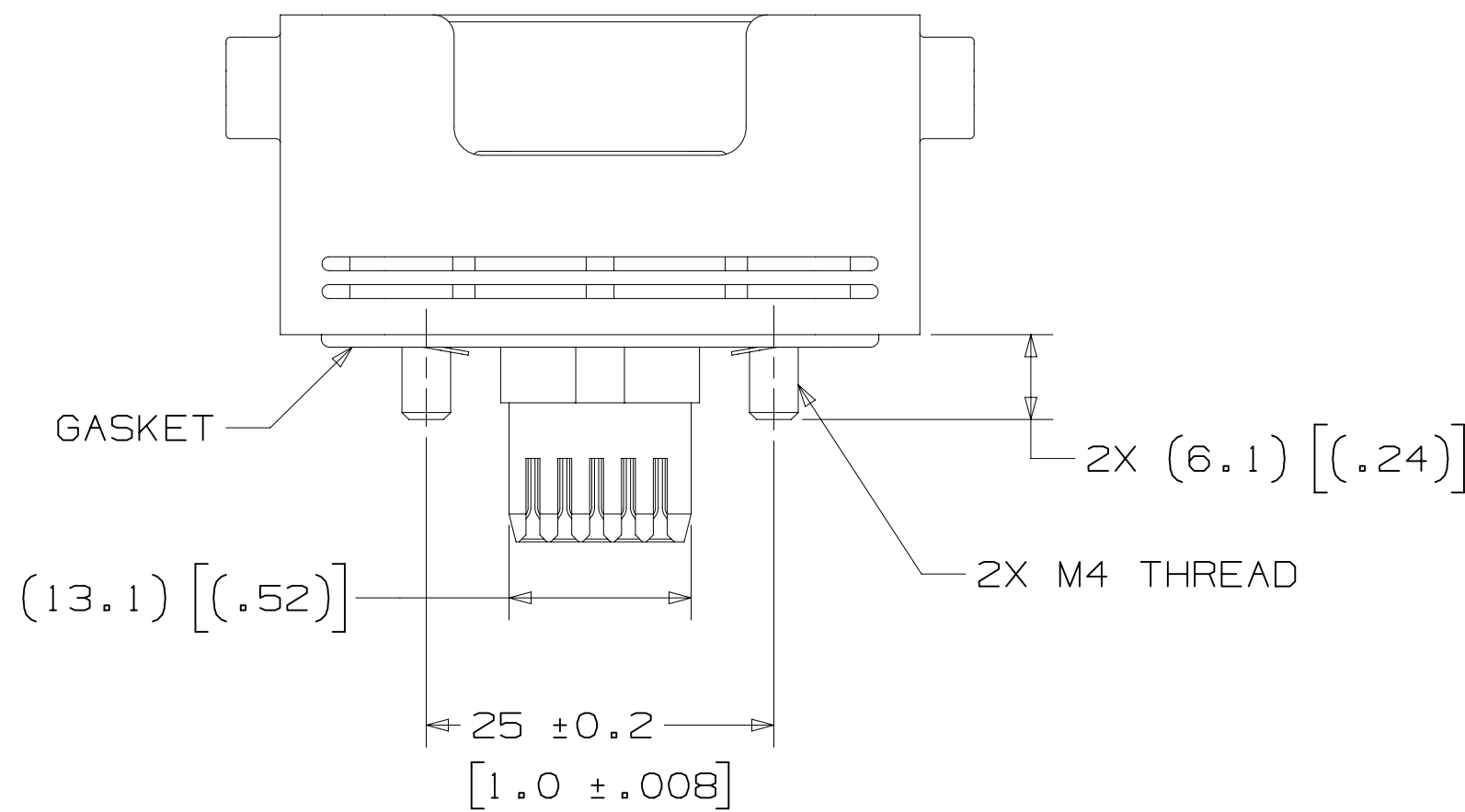
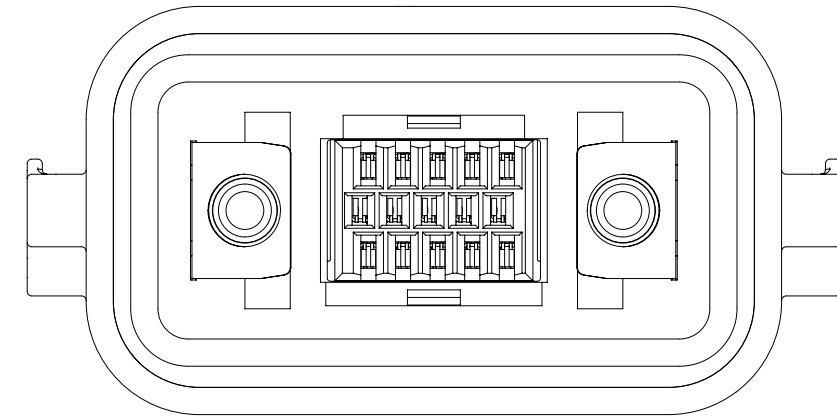
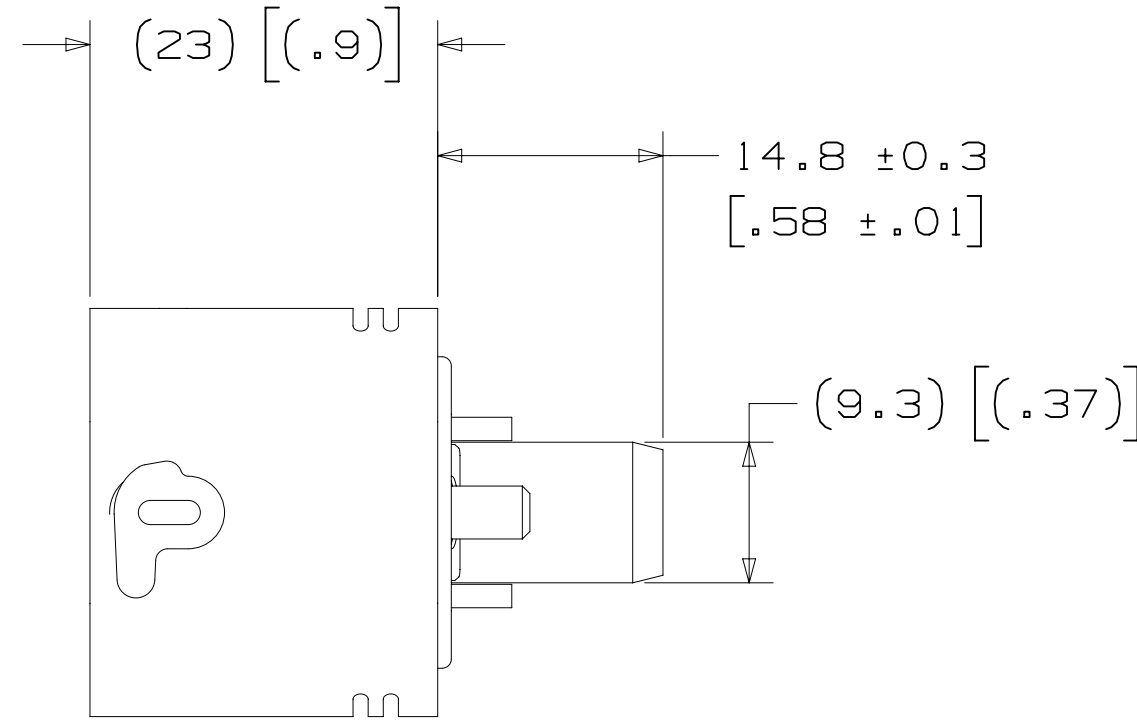
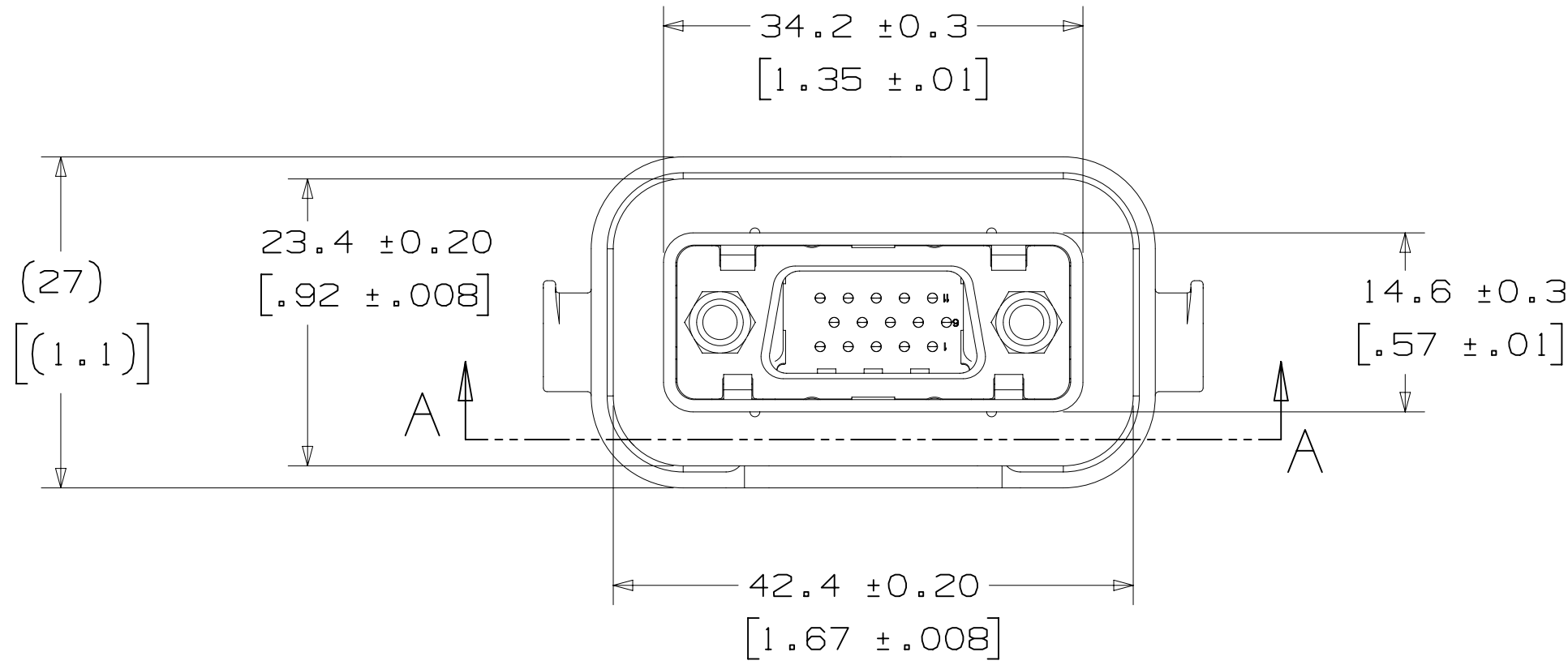
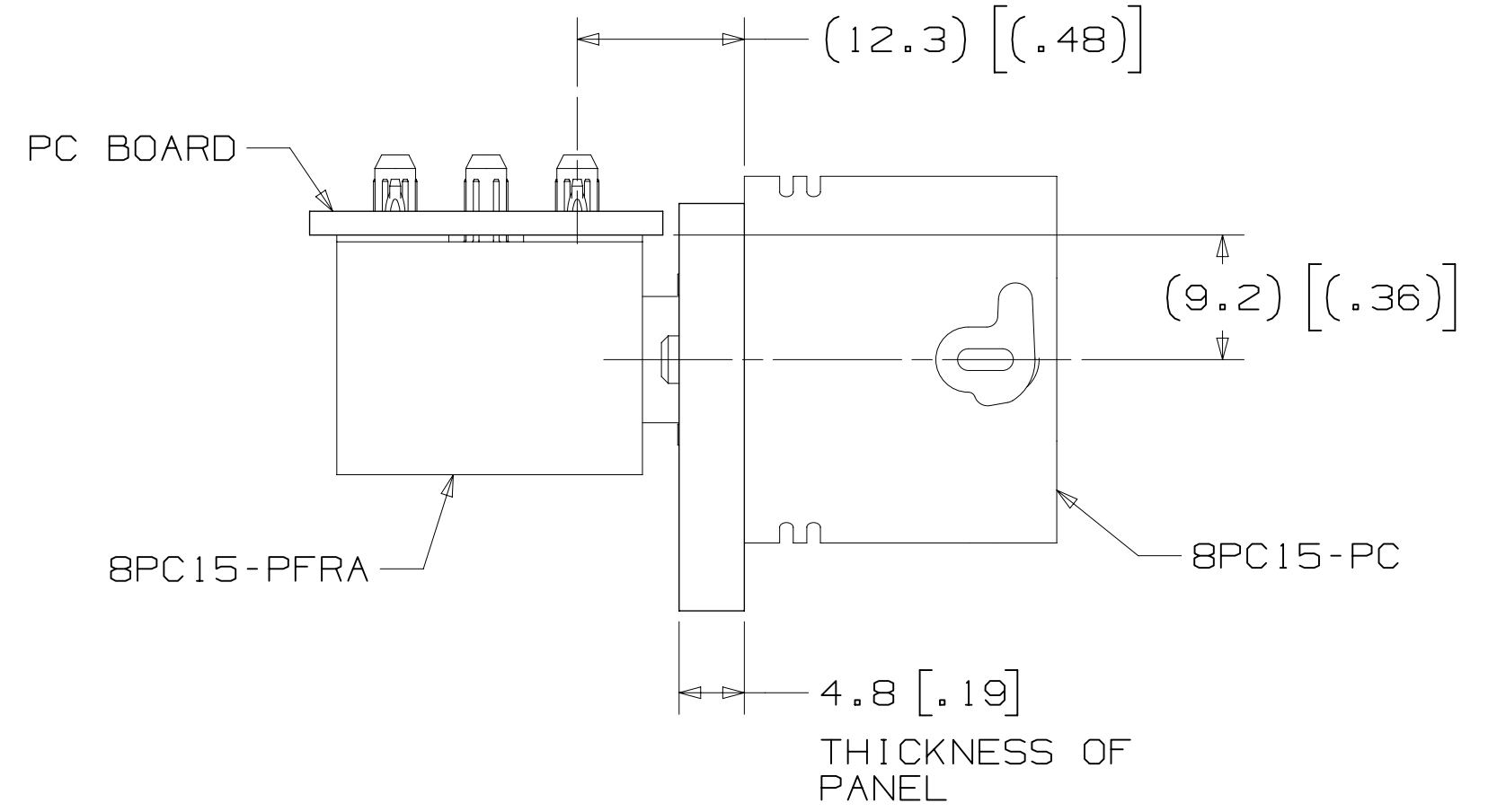
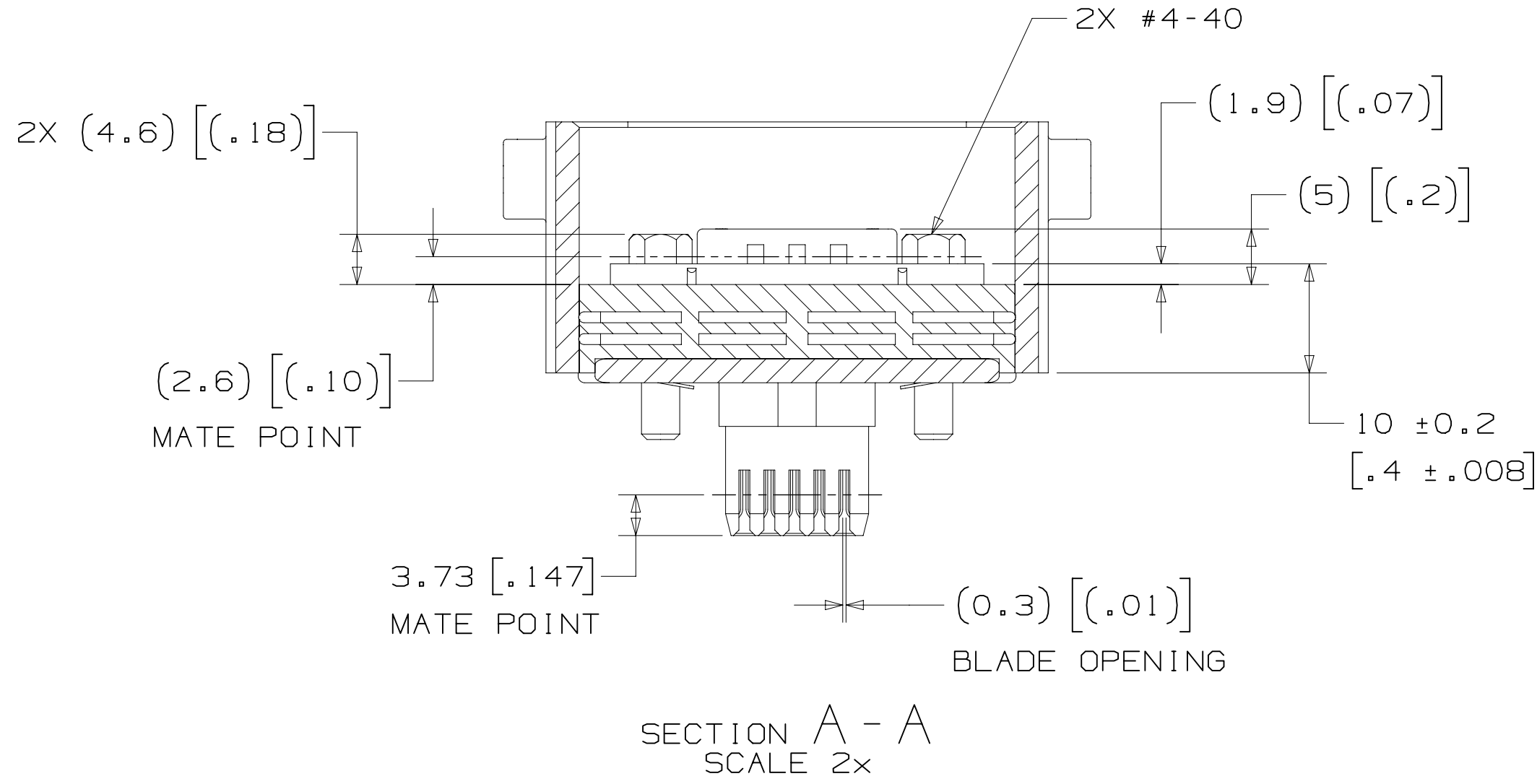
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				A 111930		AUG 30, 2023				JNC		JG			
								PRODUCTION RELEASE							
DESIGN REFERENCE				NEXT ASSEMBLY				ISSUE DATE AND DESCRIPTION				DRFT		CHKD	
CODES				REV				ECO				DATE		DATE	
				CHD				CAST1G1ONE				JUL 17, 2023		NFO	
				CHD								DATE		APPROVAL	
												J. GOERTZ		AUG 30, 2023	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2024							
				EMSD								This document and the information it contains are 3M property and may not be reproduced or further distributed without written permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.			
DO NOT SCALE				SCALE				TOLERANCES EXCEPT AS NOTED							
DRAWING				2 1											
								INCHES .0 .00 .000 .0000				TITLE			
THIRD ANGLE PROJECTION												IP67 D-SUB, MALE/FEMALE CONNECTORS			
INTERPRET PER ASME Y14.5 - 2018				MILLIMETERS 0 ±.50 .0 ±.38 .00 ±.25 .000 ±.13											
MAX SURFACE ROUGHNESS UNFINISHED SURFACES <input checked="" type="checkbox"/> MARKED ONLY				ANGLES 0 15 30 45 60 75 90				CAGE NUMBER		SIZE		DRAWING NO.		REV.	
								D		78-5100-2789-5		A			
MODEL										DEF. LISTS		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		SHT 3 OF 7	

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE

DC (YEAR/WEEK)

xxxx
We



ORDERING INFORMATION
8PC15-PC

SERIES

NOTE:
1) TRAY PACKAGING

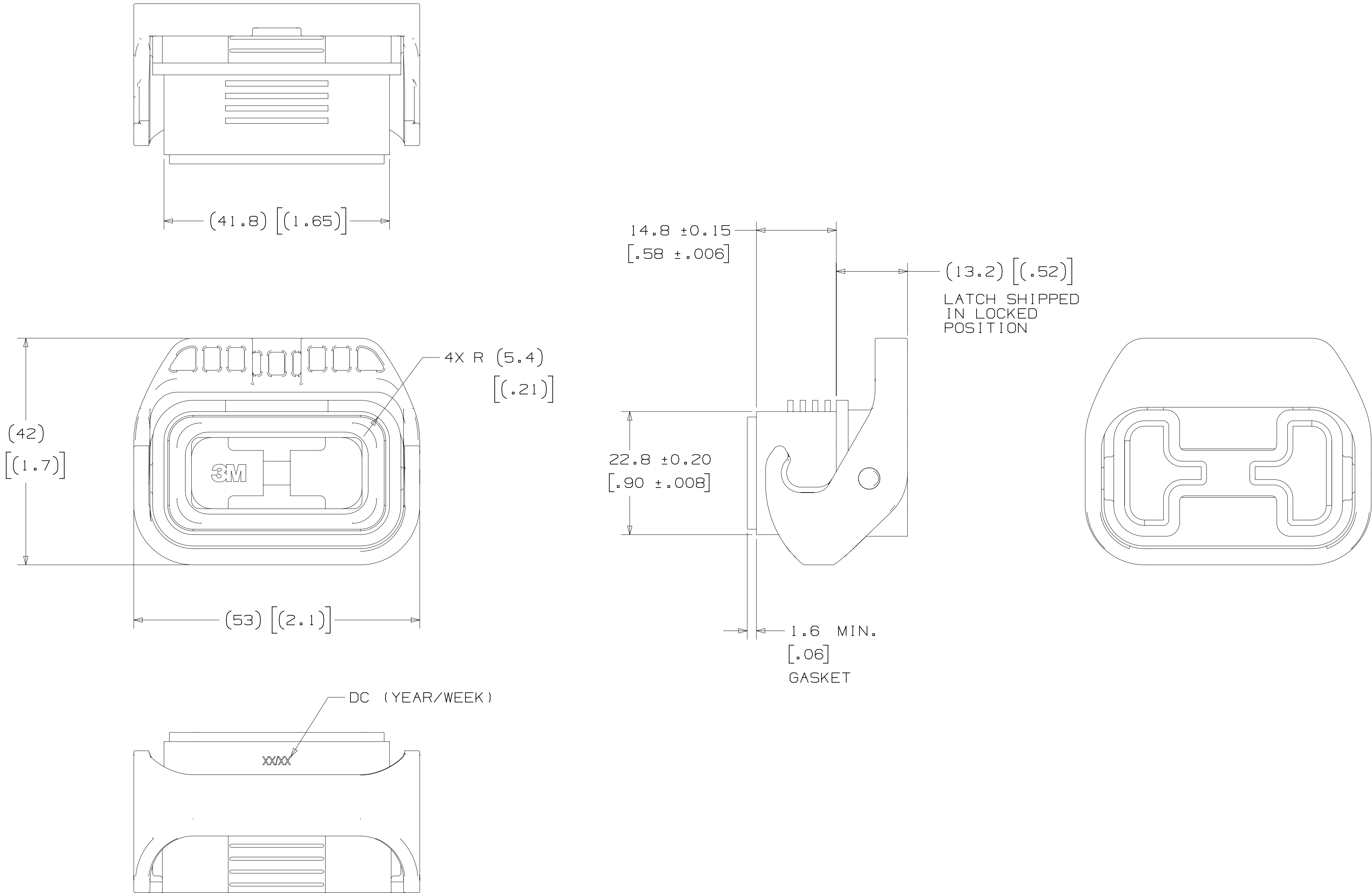
RECOMMENDED PANEL CUTOUT
(FRONT MOUNT)

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIVISION CODE		CHKD	DATE	DATE	DATE	DATE	DATE
DIVISION		EMSD		CHKD	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		SCALE 2/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
A		111930		AUG 30, 2023		JNC		JG	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
CSTIGLIONE		AUG 17, 2023		MFG		DATE		DATE	
J. GOERTZ		AUG 30, 2023		APPR		DATE		DATE	
3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2024		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.		TITLE	
IP67 D-SUB, MALE/FEMALE CONNECTORS		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
D		78-5100-2789-5		A		MODEL		DET	
LISTS		YES		NO		SHT		4 OF 7	

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE



ORDERING INFORMATION
8PC15-NAPC

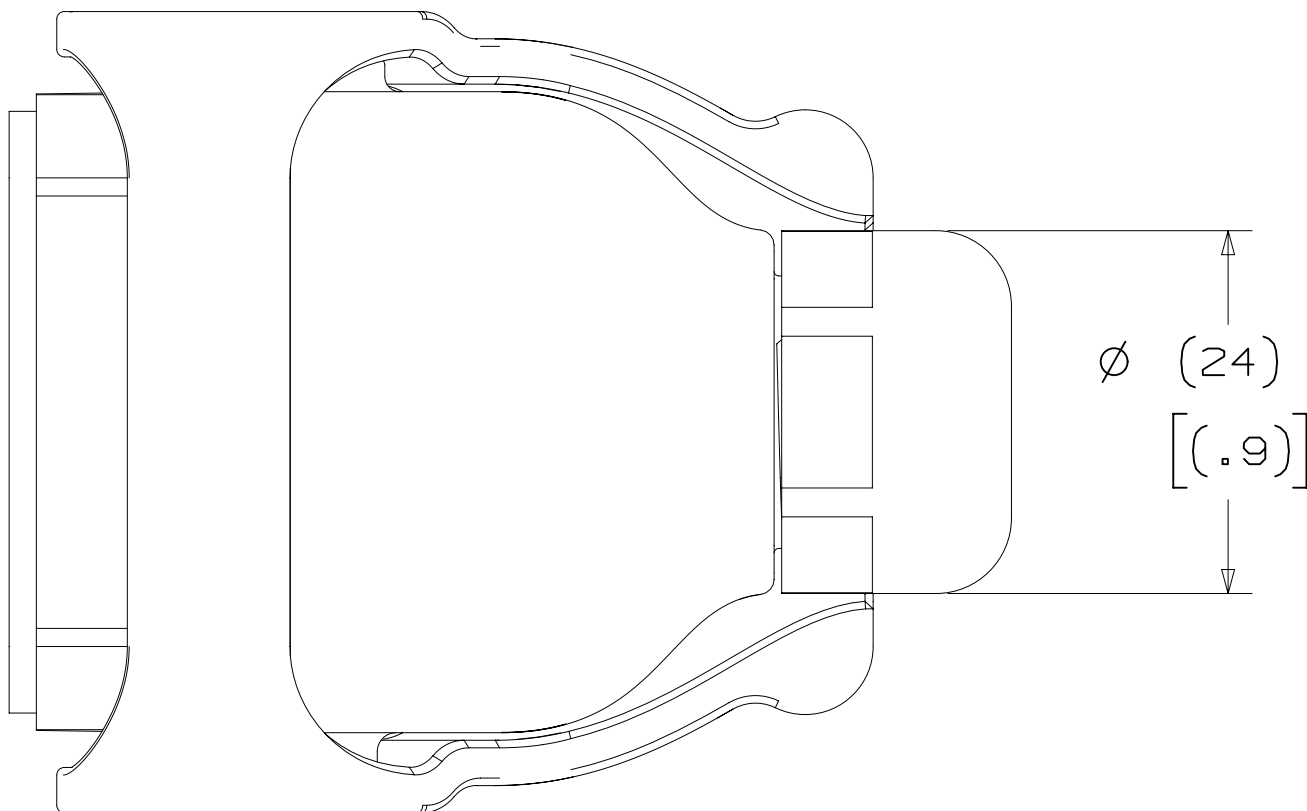
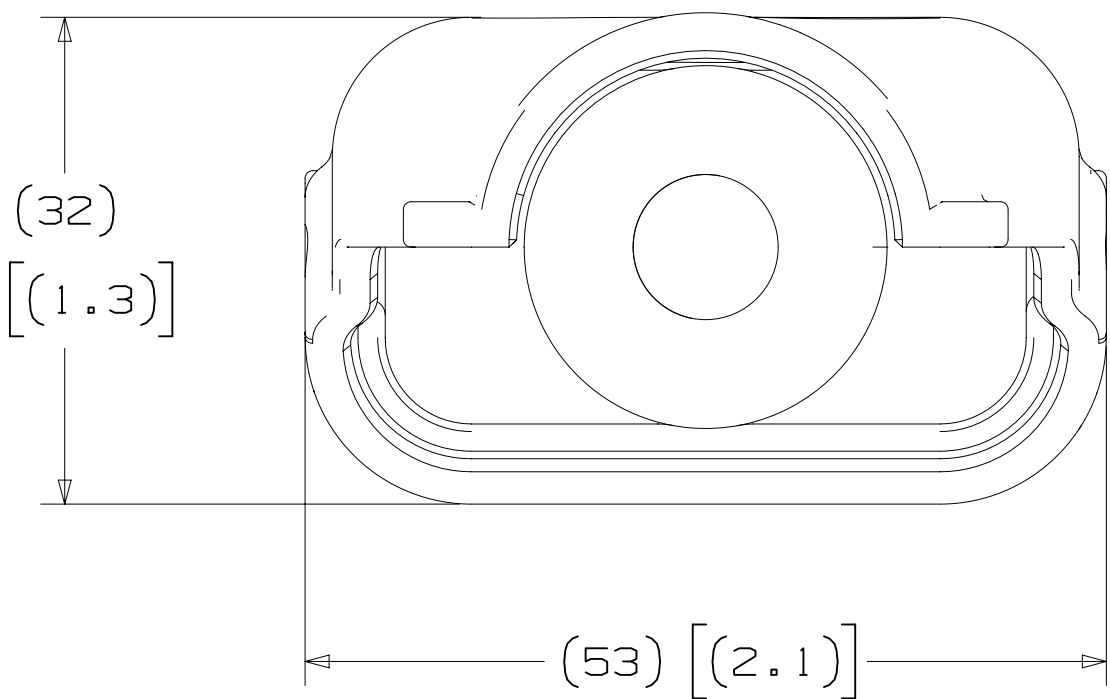
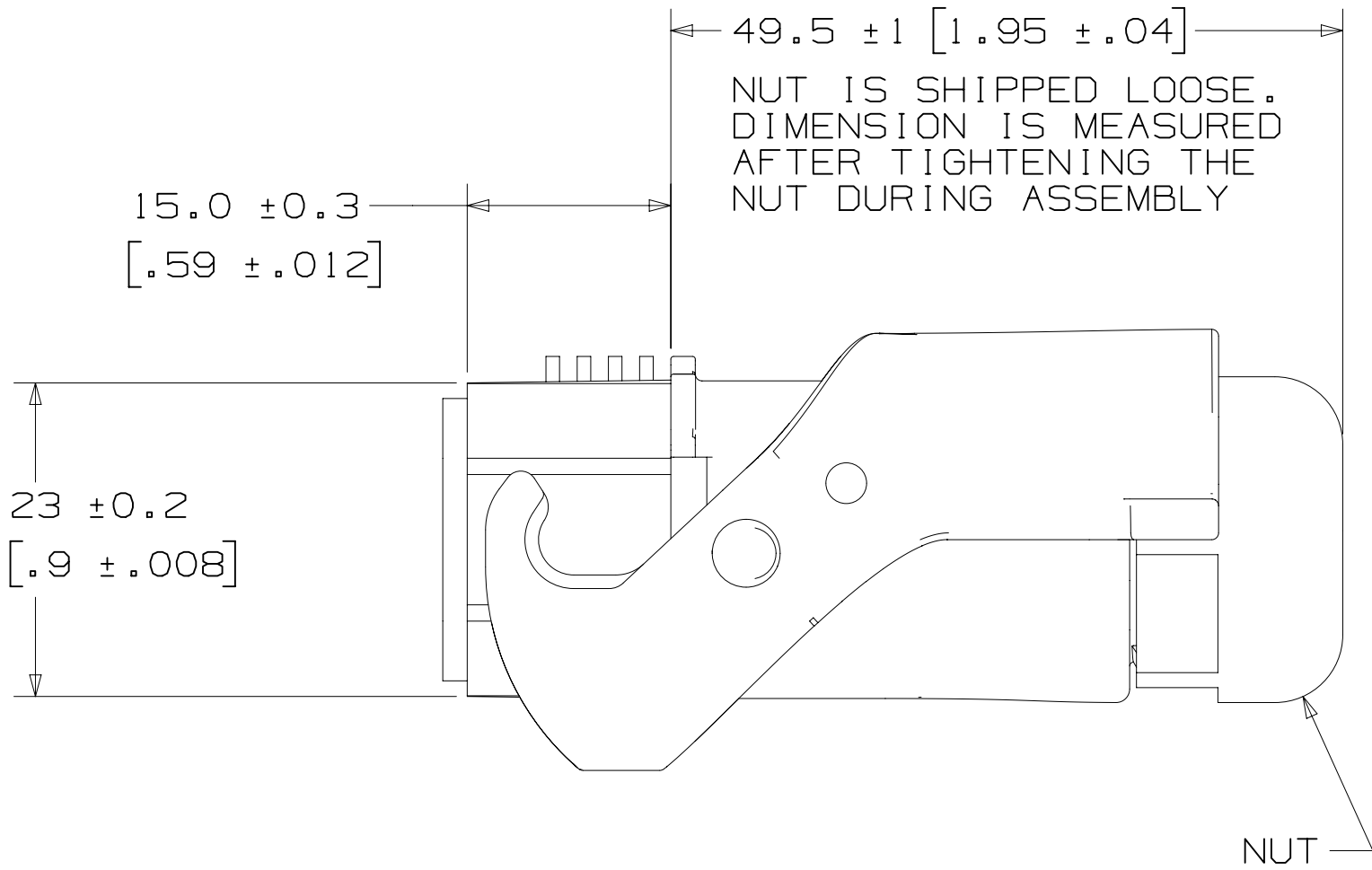
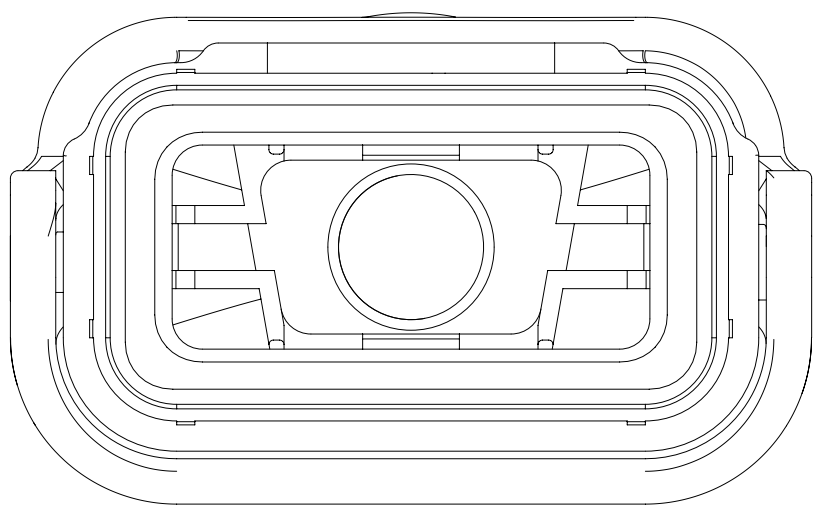
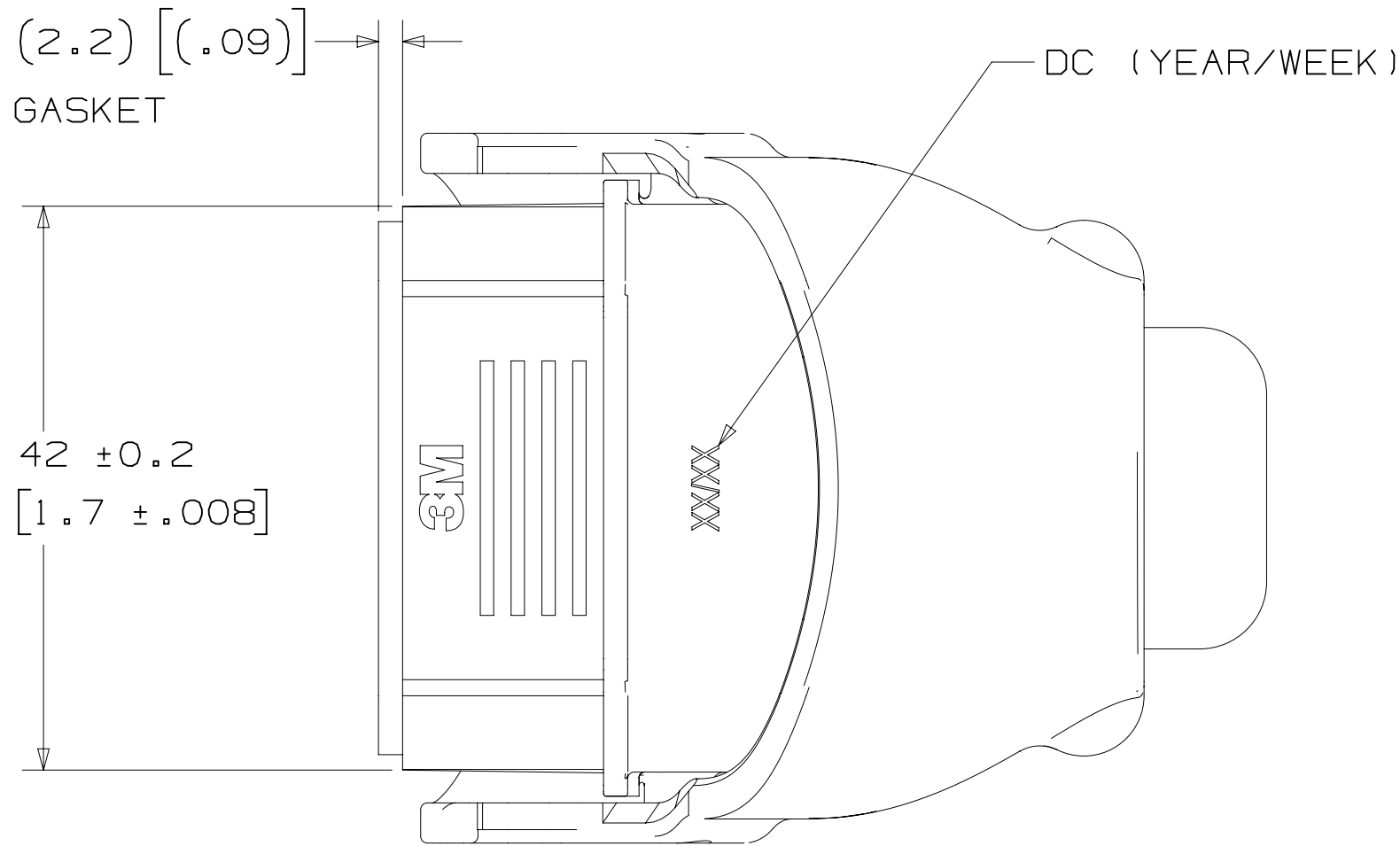
SERIES
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				A I 11930		AUG 30, 2023		JNC		JUG																																																																																																	
DESIGN REFERENCE						NEXT ASSEMBLY						REV						ECO						ISSUE DATE AND DESCRIPTION						DRFT						CHKD																																																																							
ADDRESS						CROSS						DIVISION						TOLERANCES EXCEPT AS NOTED						SCALE 2 1						DO NOT SCALE DRAWING						THIRD ANGLE PROJECTION						INTERPRET PER ASME Y14.5 - 2018						MKN SURFACE ROUGHNESS						MKN SURFACES						MARKED ONLY						CAGE NUMBER						SIZE						DRAWING NO.						REV.																							
DATE						AUG 17, 2023						MFG						DATE						AUG 30, 2023						APPRV						J. GOERTZ						DATE						AUG 30, 2023						CHKD						3M						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.						IP67 D-SUB, MALE/FEMALE CONNECTORS						CAGE NUMBER						D						78-5100-2789-5						REV.					
MODEL						DET.						LISTS						YES						NO						SHT						5 OF																																																																							

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES
SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE



ORDERING INFORMATION
8PC15-ACPC

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE	DATE	AUG 17, 2023	MFG	DATE
				CHKD		DATE		APPR	DATE
								J. GOERTZ	AUG 30, 2023
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2024					
DO NOT SCALE DRAWING		SCALE 1/1		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.					
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		INCHES					
				MILLIMETERS					
				0 ± .50					
				.0 ± .38					
				.00 ± .25					
				.000 ± .13					
MAX SURFACE ROUGHNESS		INTERPRET PER ASME Y14.5 - 2018		CAGE NUMBER					
✓		SURFACES		D 78-5100-2789-5					
✓		MARKED ONLY		MODEL					
				DET. [] YES [X] NO [] SHT 6 OF 7					

8

7

6

5

4

3

2

1

3M™ IP67 D-SUB, MALE/FEMALE CONNECTORS, 8PC15 SERIES

SOLDER CUP, PRESS-FIT, RIGHT ANGLE, 2.29MM CENTERLINE

Regulatory:

For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Company

Electronics Materials Solutions Division

13011 McCallen Pass, Bldg. C

Austin, TX 78753-5380

1-800-225-5373

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111930

AUG 30,2023

PRODUCTION RELEASE

JNC

JG

DO NOT SCALE DRAWING

SCALE 1 1

TOLERANCES EXCEPT AS NOTED

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX SURFACE ROUGHNESS

MARKED ONLY

INCHES

MILLIMETERS

ANGLES

3M

3M Center St. Paul, MN 55144

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TITLE

IP67 D-SUB, MALE/FEMALE CONNECTORS

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

DET

LISTS

YES

NO

SHT

7 OF 7

78-5100-2789-5

DRAWING NUMBER

A

REVISION