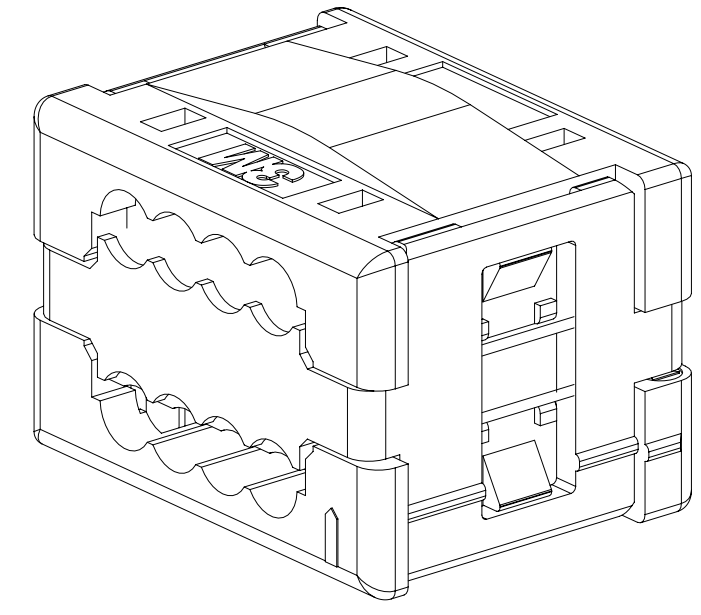


3M™ SPLASH-PROOF ONE PIECE BRANCH LINK WIREMOUNT CONNECTOR, 387 SERIES

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.

- \* ONE PIECE BRANCH LINK CONNECTOR, 387 SERIES ENABLES BRANCHING INTO THE MAIN NETWORK WIRE (20 TO 16 AWG) WITH A ONE PIECE CONNECTOR THAT IS FIELD-TERMINABLE AND REQUIRES NO SPECIAL EQUIPMENT.
- \* THE FIELD-TERMINABILITY PROVIDES THE ABILITY TO OPTIMIZE THE SYSTEM ROUTING.
- \* THE ONE PIECE CONNECTOR DESIGN REDUCES INSTALLED SYSTEM SPACE AND REQUIRES LESS PARTS TO MANAGE DURING THE INSTALLATION.
- \* 3M ELECTRICAL MOISTURE SEALING (EMS) PAD.



-FF880-PA

2 PHYSICAL :

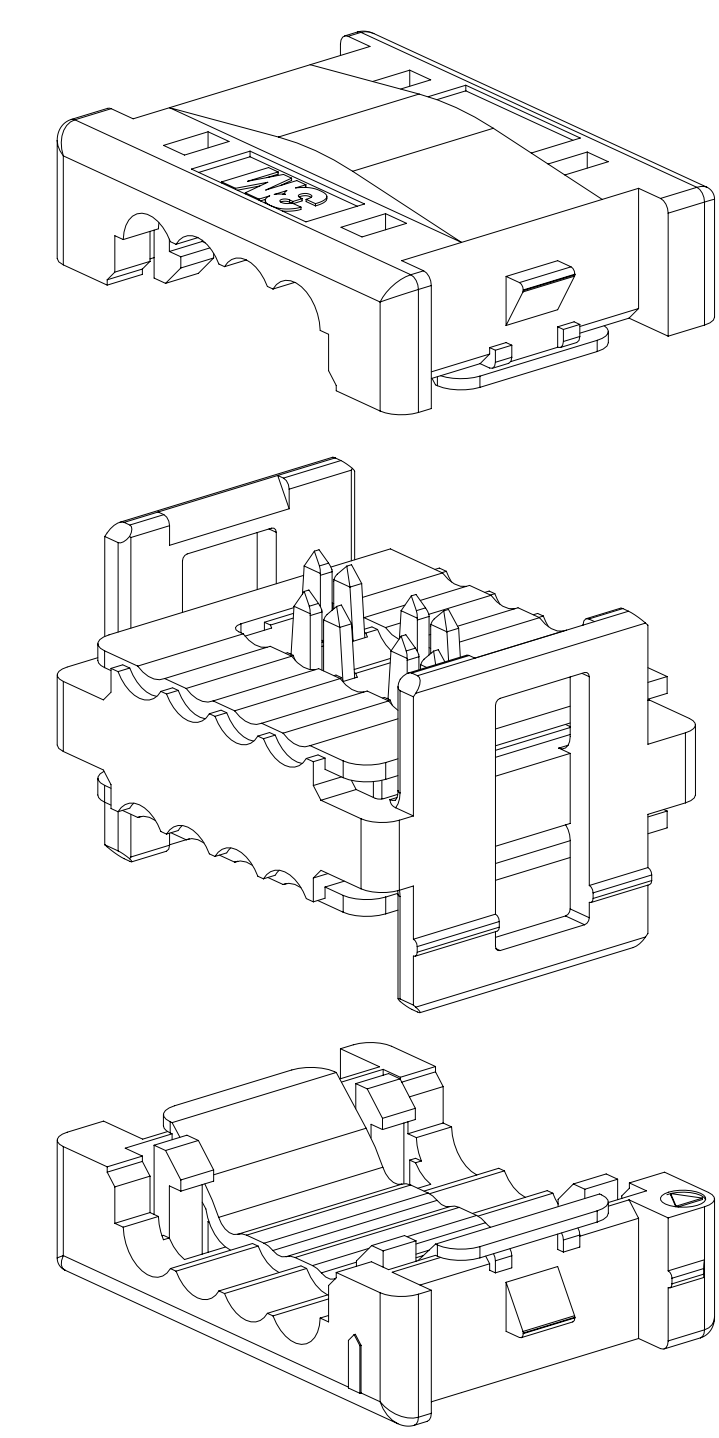
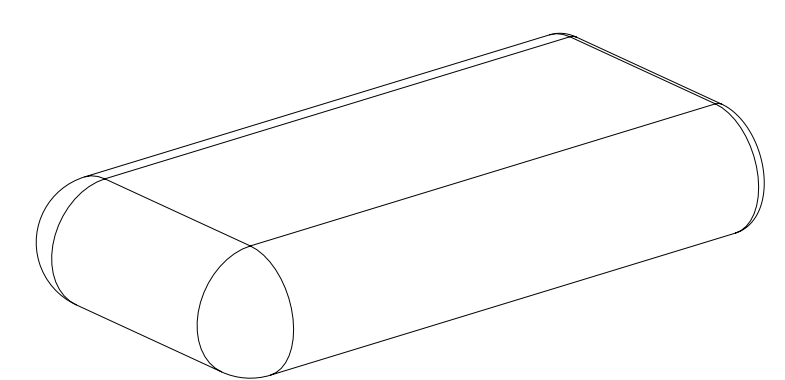
INSULATION:  
 BODY: PBT/PBT PLASTIC  
 COVER: PBT/PBT PLASTIC  
 FLAMMABILITY: UL94V-0  
 COLOR: SEE ORDERING INFO.  
 CONTACT:  
 MATERIAL: COPPER ALLOY  
 PLATING:  
 UNDER PLATING: 4.0µm AVG. NICKEL-OVERALL  
 MARKINGS: 3M LOGO, POSITION INDICATOR, WIRE GAUGE AND INSULATOR MATERIAL

2 ELECTRICAL :

CURRENT RATING: 3.0 AMPS  
 INSULATION RESISTANCE: >1 X 10<sup>9</sup>Ω AT 500 V<sub>DC</sub>  
 WITHSTANDING VOLTAGE: 1,000V<sub>RMS</sub> AT SEA LEVEL  
 VOLTAGE RATING: 32 VOLTS

2 ENVIRONMENTAL :

TEMPERATURE RATING: 20°C TO +85°C AMBIENT (1.0A MAX.)  
 -20°C TO +75°C AMBIENT (2.0A MAX.)  
 -20°C TO +60°C AMBIENT (3.0A MAX.)



PRE - ASSEMBLY

ORDERING INFORMATION  
 38704-FF880-PA

SERIES No. BODY AND COVER COLOR  
 BODY (BLACK), CONTACTS (TYPE 3)  
 BRANCH COVER (GRAY), MAIN COVER (BLACK)

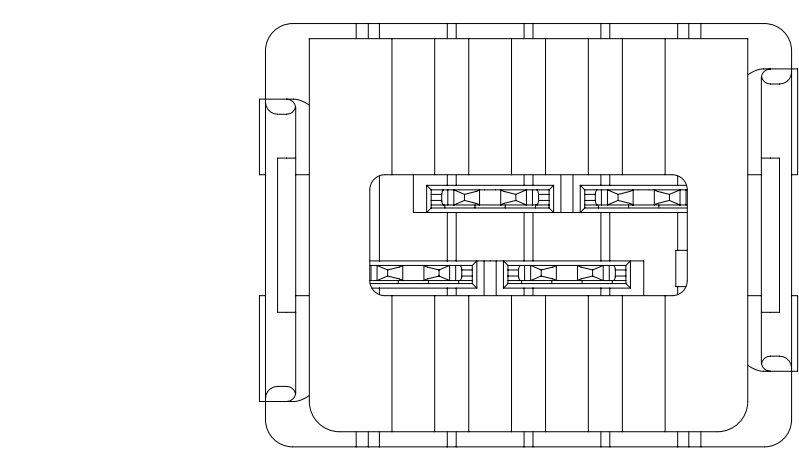
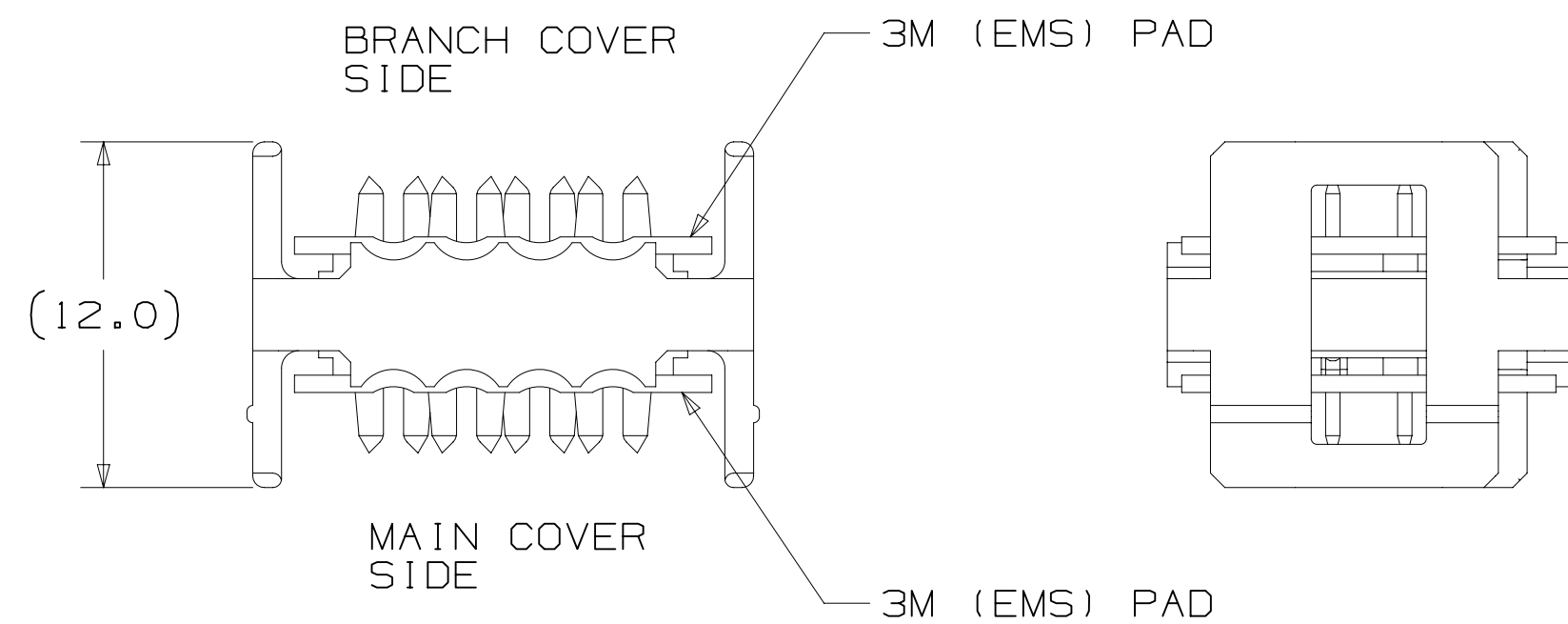
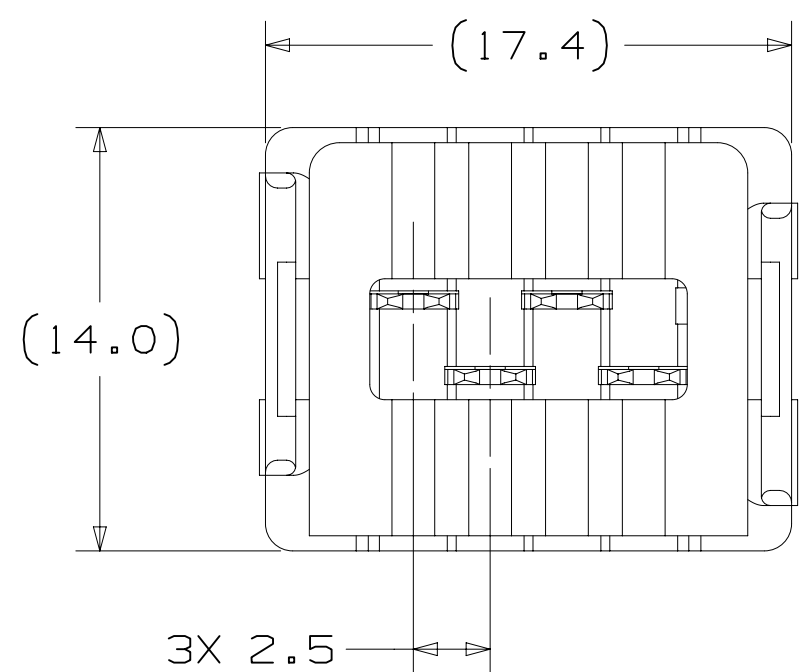
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MM		
TOLERANCE - UNLESS NOTED		
	X.X	X.XX
MM	±0.3	±0.10

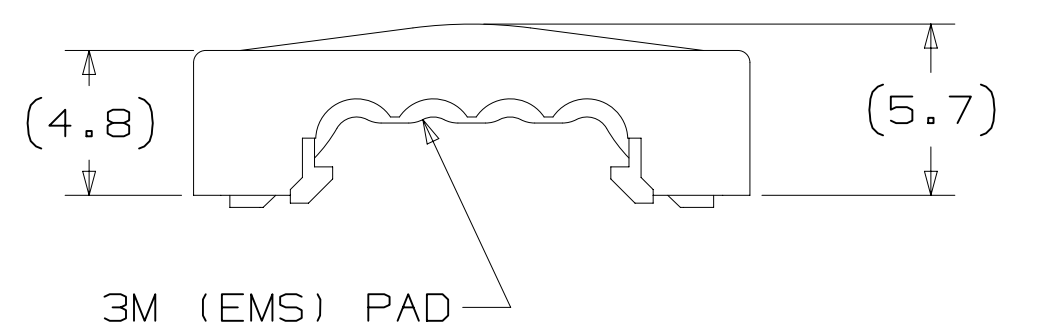
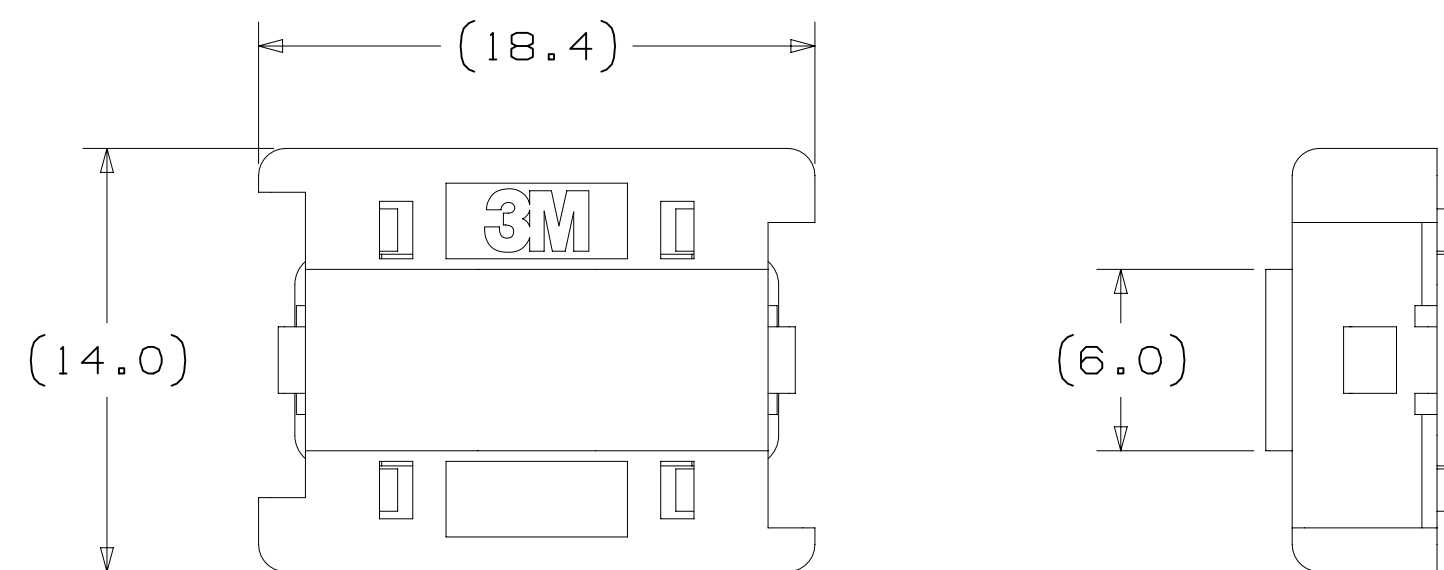
DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				DEC 18, 2020 RELEASE FOR PRODUCTION	JNC	FJR
APPROVED	DATE	APPROVED	DATE	© 3M COPYRIGHT 2020 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
DRG	DATE	APPRV	DATE	TITLE SPLASH-PROOF ONE PIECE BRANCH LINK CONNECTOR, 387 SERIES		
CAGI NUMBER	SIZE	DRAWING NO.	REV.	CAGE NUMBER D 78-5100-2699-6 A		
MODEL	DET	LISTS	YES	NO	SHT	1 OF 3

A REVISION  
 78-5100-2699-6 DRAWING NUMBER  
 B  
 C  
 D  
 A  
 Time 3/13/2020 -- UTC Drf-set (hrs) 6  
 Image: Central Standard

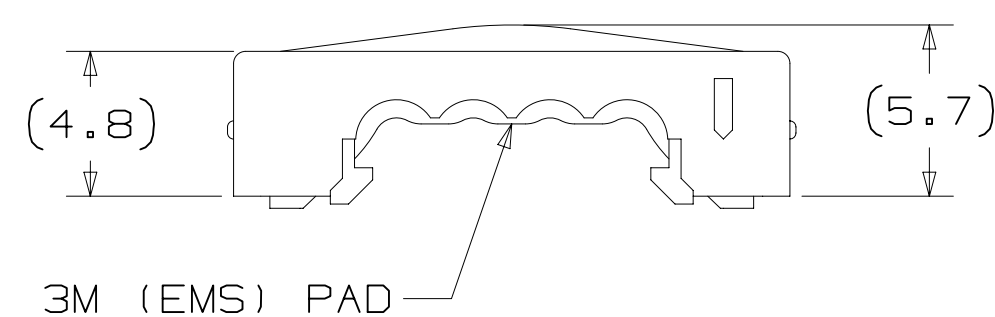
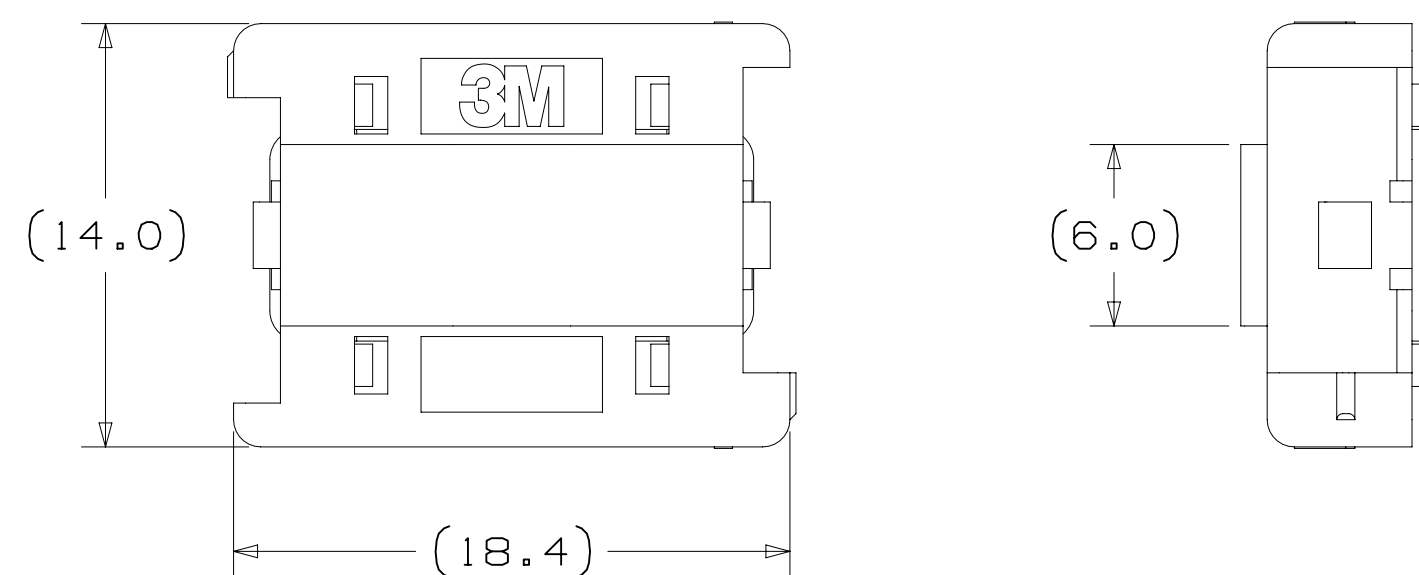
# 3M™ SPLASH-PROOF ONE PIECE BRANCH LINK WIREMOUNT CONNECTOR, 387 SERIES



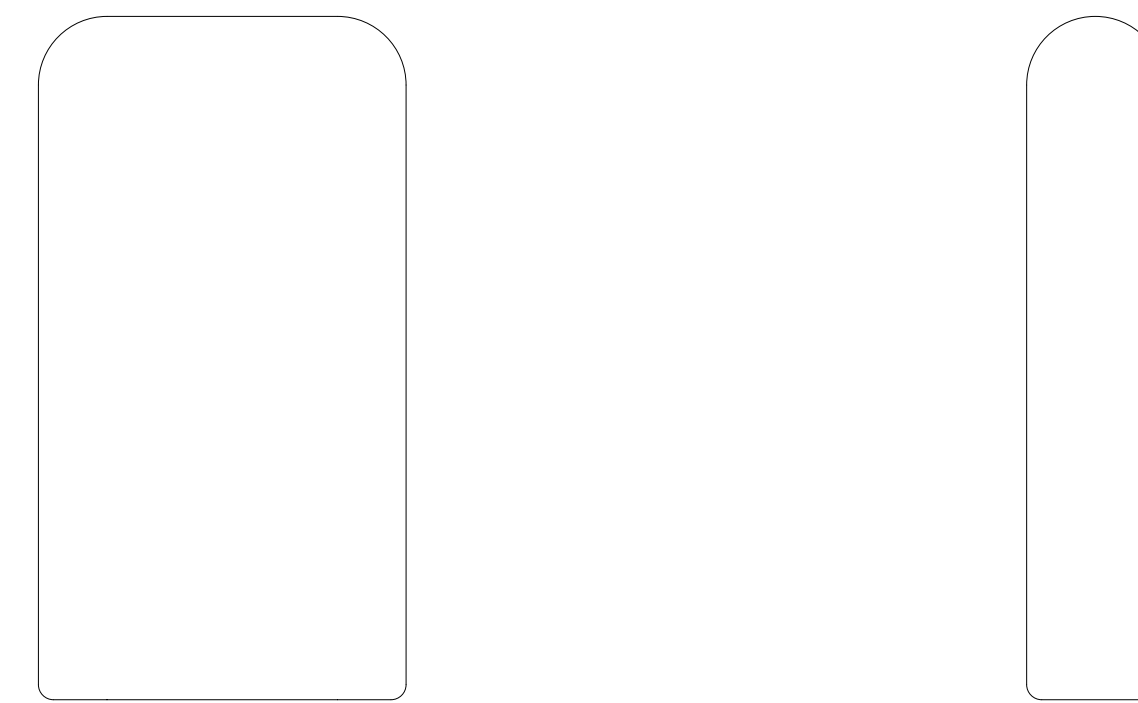
BODY AND CONTACTS



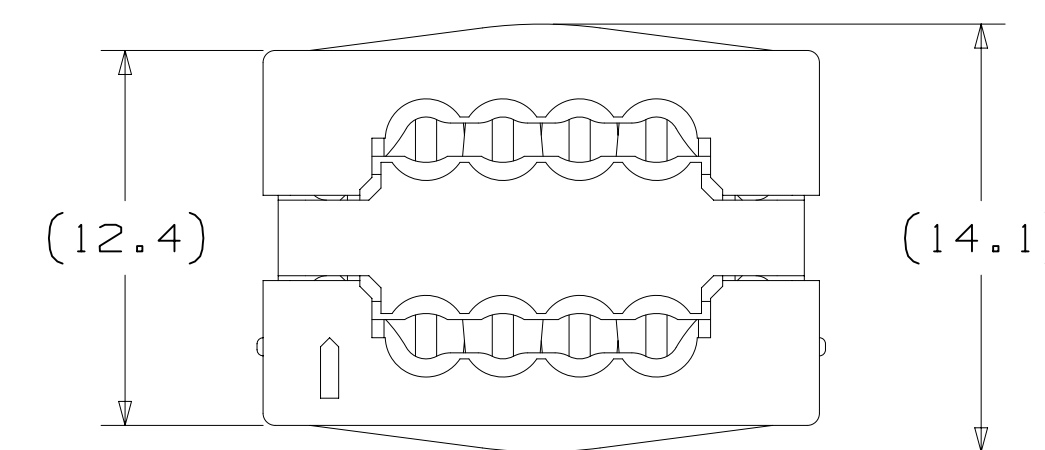
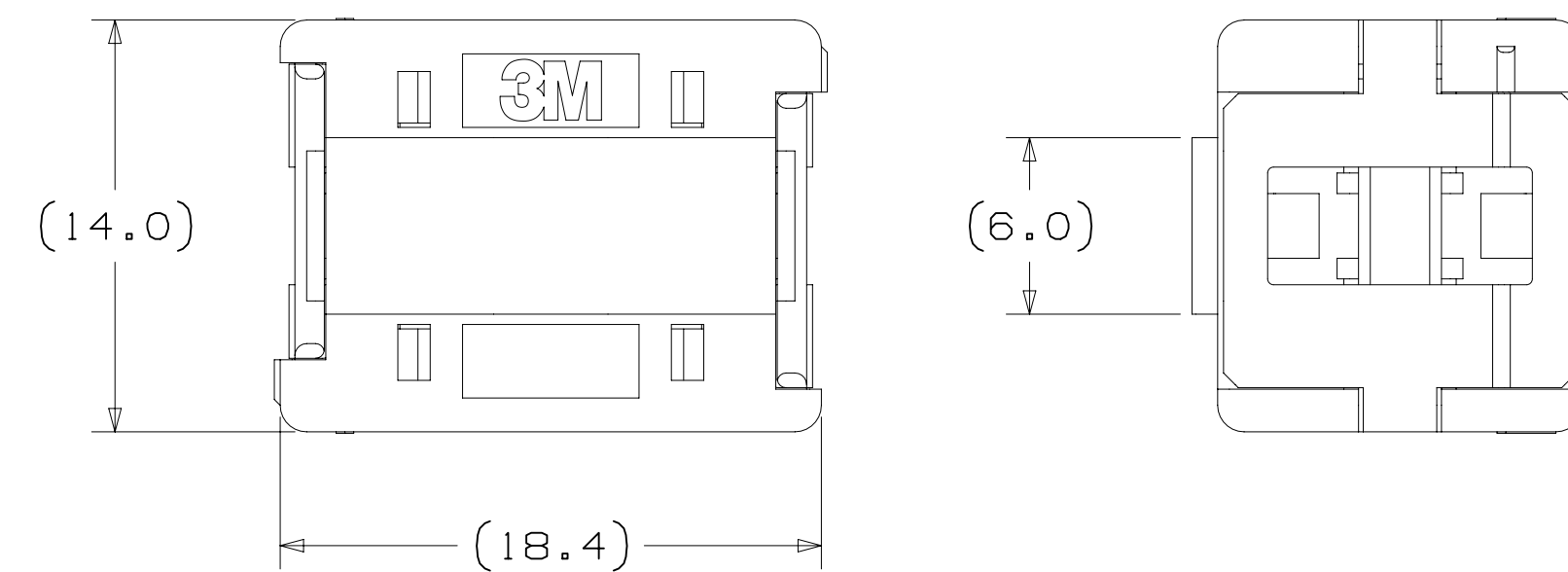
BRANCH COVER



MAIN COVER



MOISTURE SEALING CABLE CAP



ASSEMBLY

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				DEC 18, 2019		
DESIGNER		DATE				
		DEC 18, 2019				
DIVISION	DIVISION CODE	APPR	DATE			
	EMSD	F. RODRIGUEZ	DEC 18, 2019			
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INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS	<b>TITLE</b> SPLASH-PROOF ONE PIECE BRANCH LINK CONNECTOR, 387 SERIES			
MAX SURFACE ROUGHNESS			CAGE NUMBER <b>D</b> 78-5100-2699-6			
MARKED SURFACES			DRAWING NO. 78-5100-2699-6			
MARKED ONLY			REV. A			
			MODEL 387			
			DET. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 2 OF 3			

78-5100-2699-6  
 DRAWING NUMBER  
 A REVISION  
 6  
 Drr-set (hrs)  
 6  
 -- UTC  
 3/13/2020  
 Time  
 Standard

# 3M™ SPLASH-PROOF ONE PIECE BRANCH LINK WIREMOUNT CONNECTOR, 387 SERIES

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DIVISION				DIVISION CODE				
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				4 1		INCHES .00 ± .000 ± .0000 ±		
THIRD ANGLE PROJECTION				INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		
						0 ± .00 ± .000 ±		
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**3M** Center St. Paul, MN 55144  
**TITLE**  
 SPLASH-PROOF ONE PIECE BRANCH LINK CONNECTOR, 387 SERIES  
**CAGE NUMBER** D78-5100-2699-6  
**DRAWING NO.**  
**REV.** A

178-5100-2699-6 DRAWING NUMBER  
 A REVISION  
 UTC  
 Off-set (hrs) 6