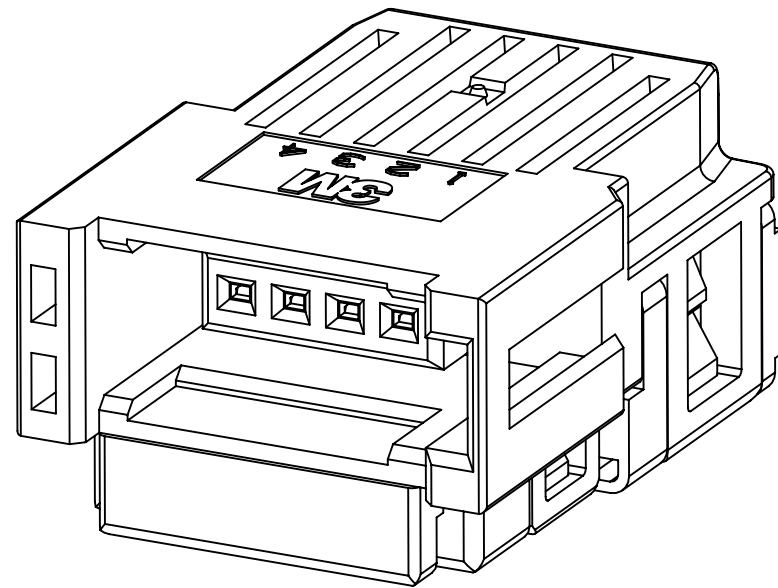
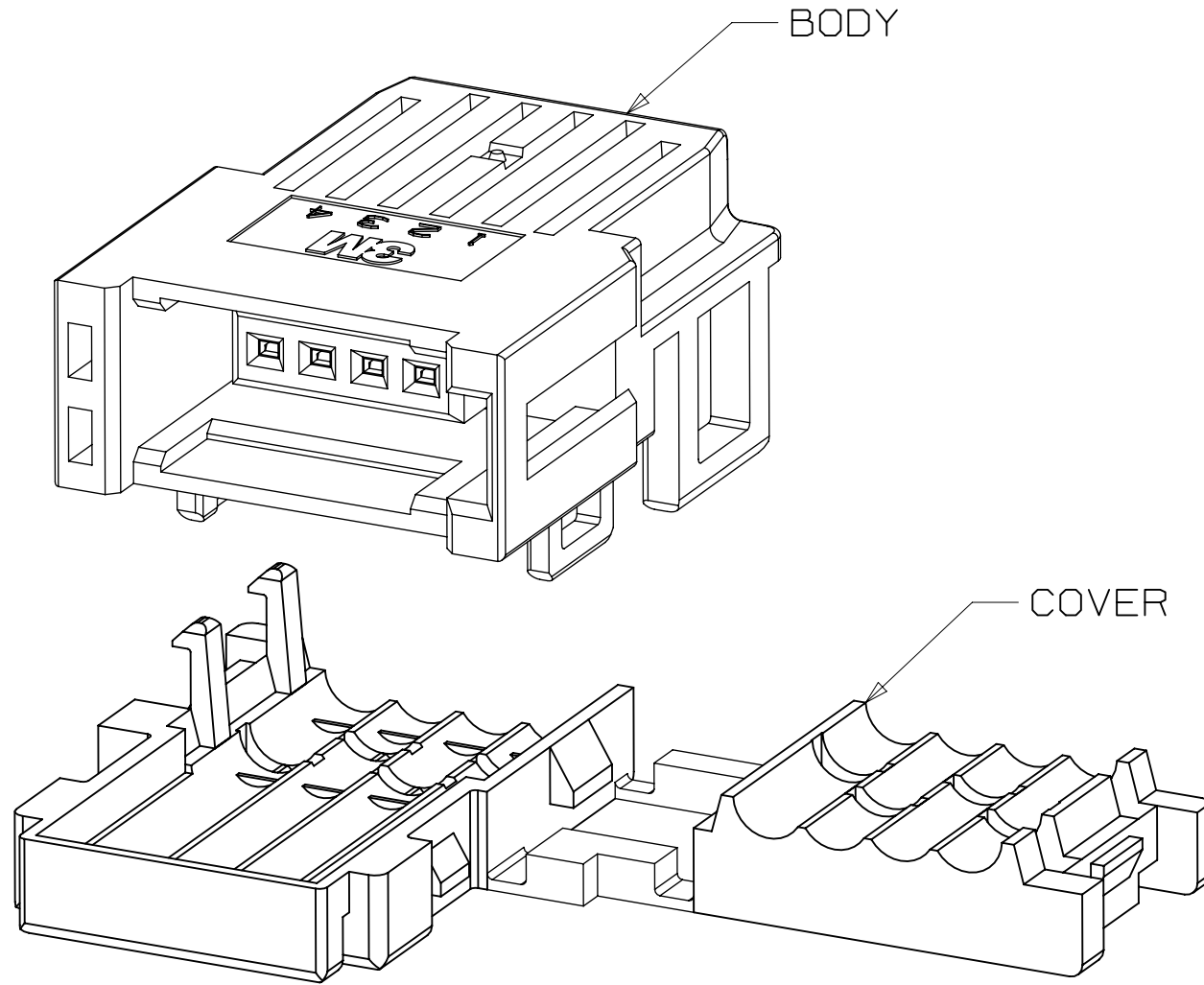


3M™ BRANCH MINI-CLAMP LINK CONNECTOR, 38A SERIES
WIREMOUNT CONNECTOR, JUNCTION TYPE



-00XX



3 PRE-ASSEMBLED VIEW

- * ENABLES DIRECT CONNECTION FROM SENSOR WIRES TO NETWORK CABLES.
- * PROVIDES BRANCHING FROM MAIN BUS LINE TO SENSORS VIA 3M MINI-CLAMP CONNECTOR.
- * ENABLES SIMPLER SYSTEMS WITH DIRECT-TO-NETWORK CONNECTOR WITH LESS CABLE AND LOWER LETENCY.
- * COMPATIBLE WITH NETWORK CABLE 16 TO 22AWG.
- * EASY, LABOR SAVING AND RELIABLE IDC TERMINATION.
- * EASY FIELD TERMINATION WITH NO SPECIAL WIRE PREPARATION, NO STRIPPING, TINNING OR SPECIAL TOOLING.
- * CAN TERMINATE WITH A CONNON PAIR OF PLIERS.
- * LATCHING MECHANISM MAINTAINS A RELIABLE INTERCONNECTION IN DEMANDING FIELD APPLICATIONS.
- * HIGH NUMBER OF MATING CYCLES.

2 PHYSICAL :

INSULATION:
BODY: PBT/PBT PLASTIC
COVER: TOP (PC), BOTTOM (NYLON)
FLAMMABILITY: UL94V-0
COLOR:
BODY: BLACK, GRAY OR RED
COVER: BLACK
CONTACT:
MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: NICKEL
WIPING AREA: 0.2µm MIN. GOLD
MARKINGS: 3M LOGO, POSITION INDICATOR, WIRE GAUGE AND INSULATOR MATERIAL

2 ELECTRICAL :

CURRENT RATING: 3.0 AMPS
INSULATION RESISTANCE: >1 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} 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.)

ORDERING INFORMATION

38A04-00XX-X00 FL

SERIES NO. PLATING SUFFIX

COMPATIBLE CABLE
16: 16AWG (1.25 SQ)
18: 18AWG (0.75 SQ)
20: 20AWG (0.50 SQ)
BODY AND COVER COLOR:
0: BODY (BLACK), COVER (BLACK)
1: BODY (GRAY), COVER (BLACK)
2: BODY (RED), COVER (BLACK)

- 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.
 3. FOR STEP BY STEP ASSEMBLY
GUIDE, SEE INSTRUCTION SHEET
78-9101-5360-6.

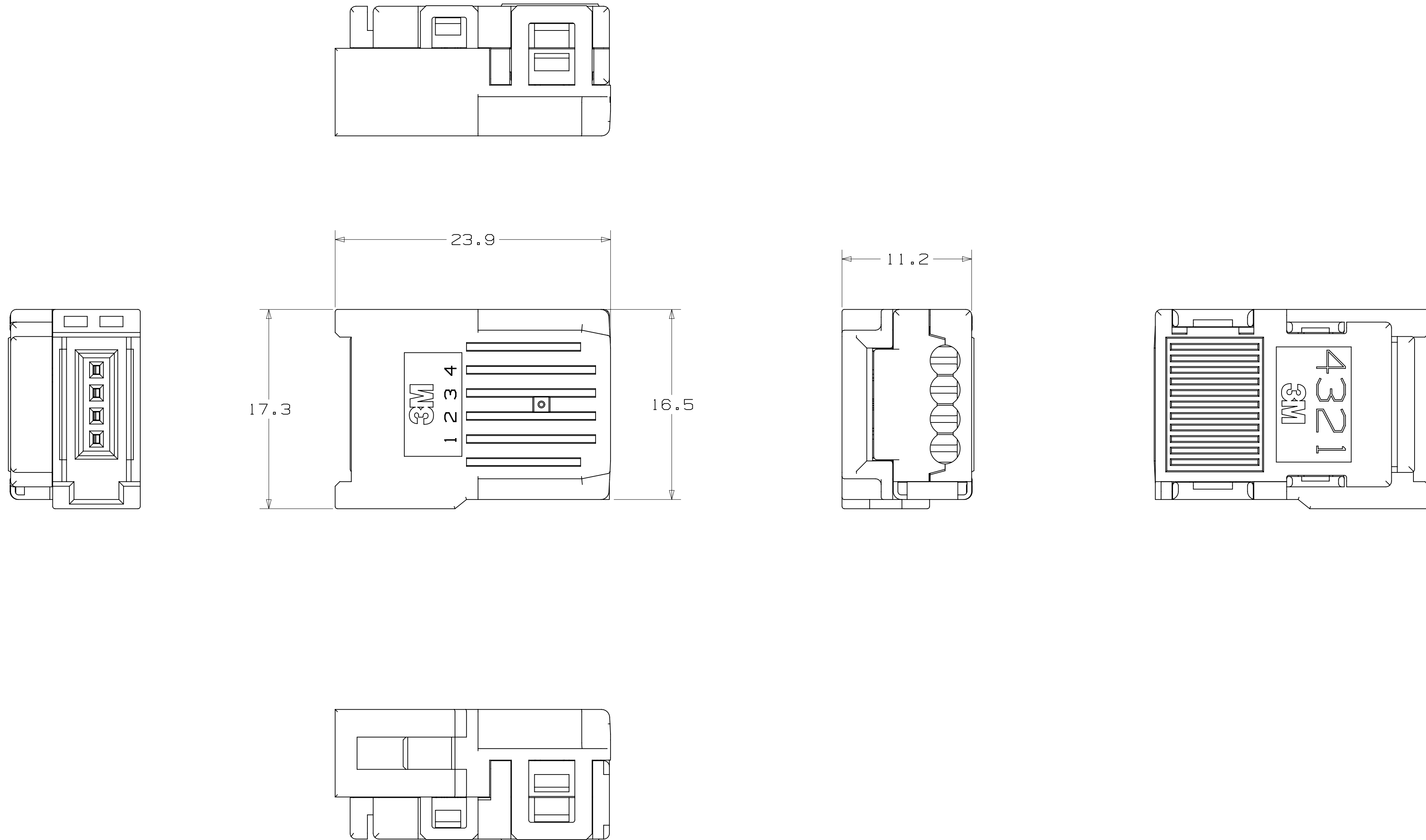
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MM		
TOLERANCE - UNLESS NOTED		
	X.X	X.XX
MM	±0.1	±0.10

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
88853		ECO		FEB 13, 2020 PRODUCTION RELEASE	JNC	FJR
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	INCHES	0.00 ±	0.00 ±	0.00 ±
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS	0 ±	0 ±	0 ±	0 ±
MAX SURFACE ROUGHNESS	0.00 ±	0.00 ±	0.00 ±	0.00 ±	0.00 ±	0.00 ±
MARKED ONLY						
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TITLE		BRANCH MINI-CLAMP LINK CONN., 38A SERIES				
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
D			78-5100-2697-0	A		
MODEL		38A04	DET	YES	NO	SHT 1 OF 4

3M™ BRANCH MINI-CLAMP LINK CONNECTOR, 38A SERIES
WIREMOUNT CONNECTOR, JUNCTION TYPE

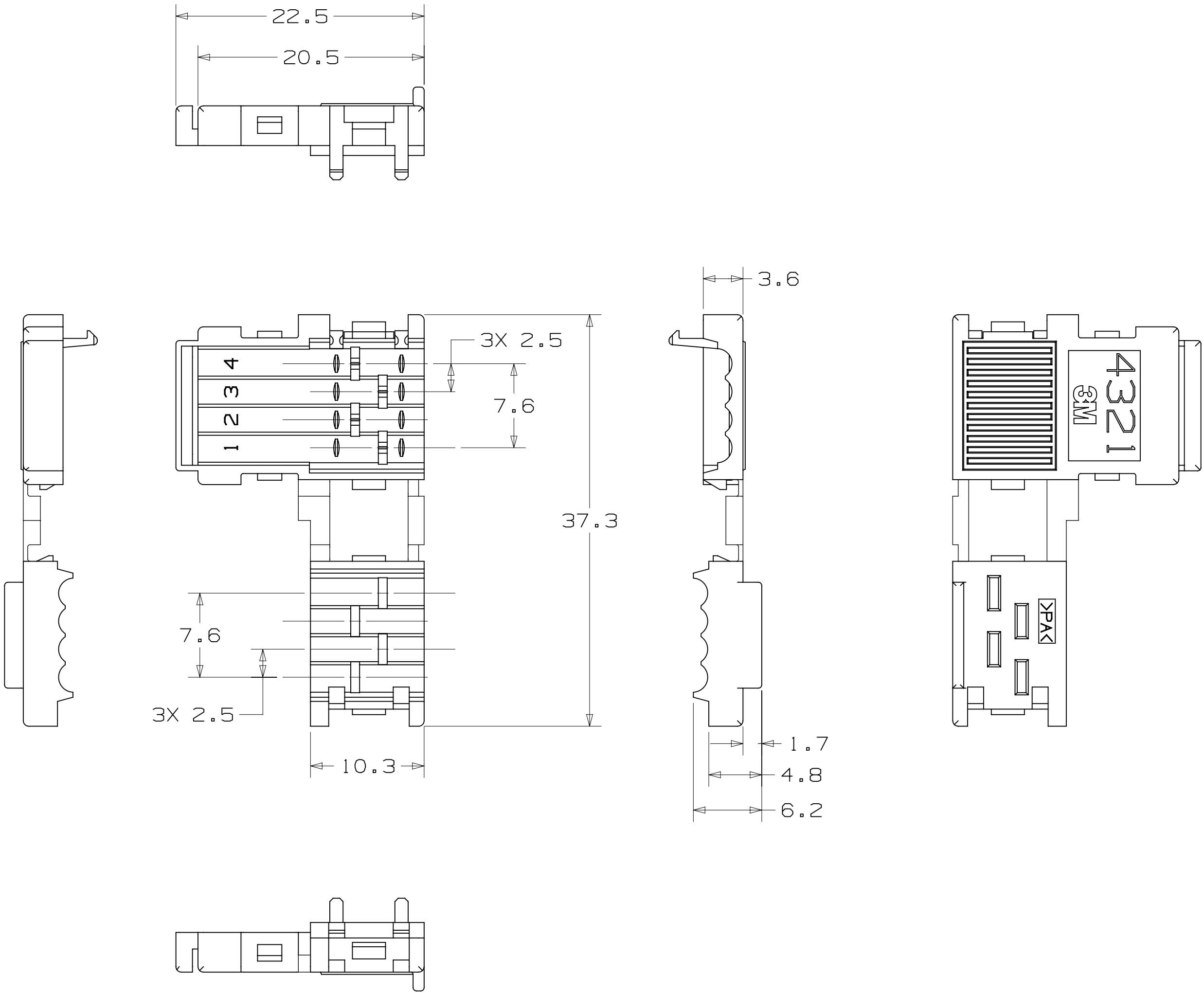


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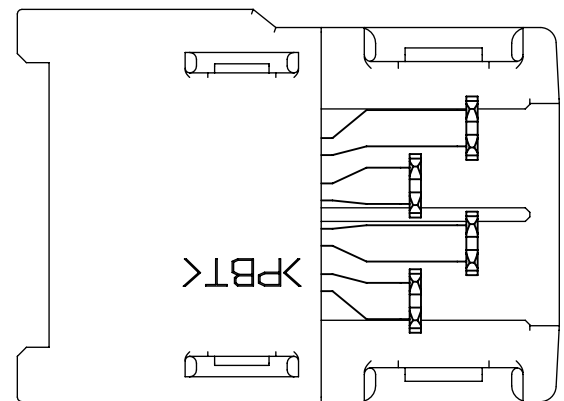
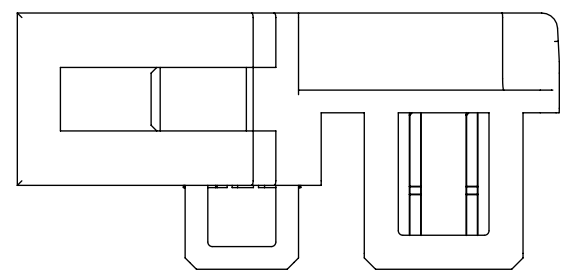
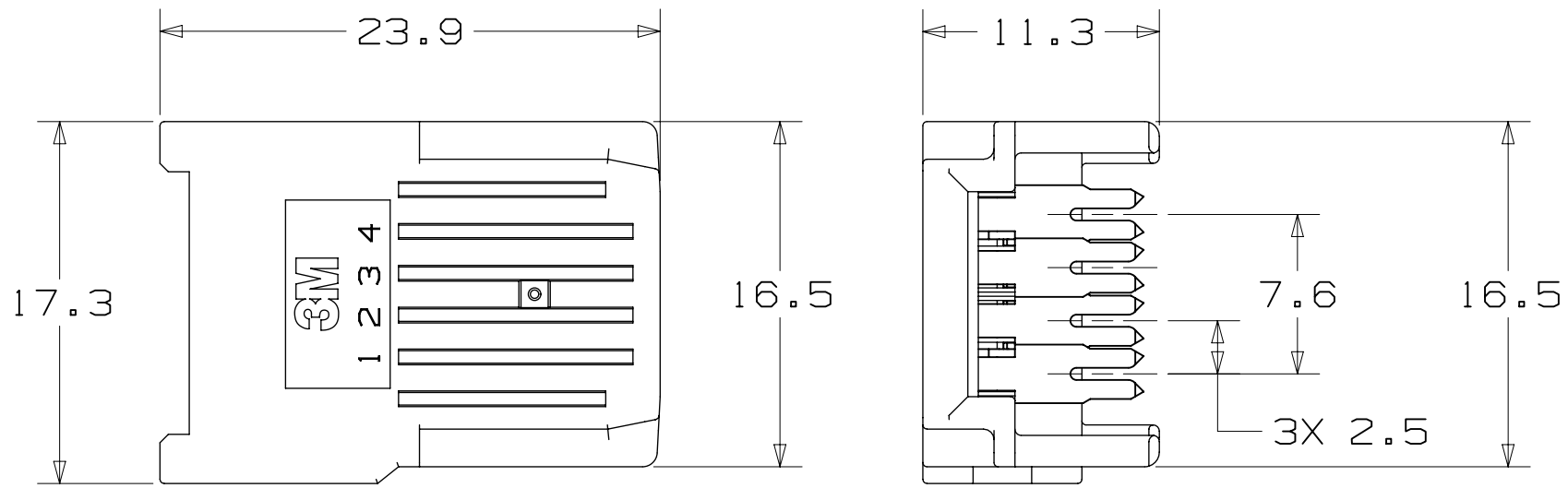
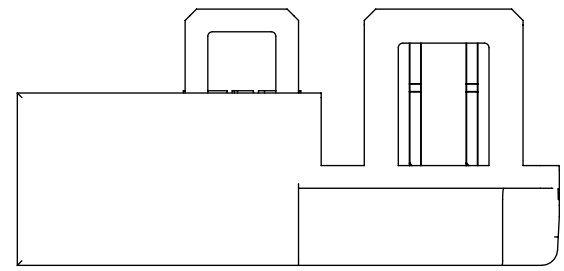
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REV ECO ISSUE DATE AND DESCRIPTION DRFT CHKD		DRFT CASTB LIONE DATE DEC 11, 2019 INFO DATE		CHKD DATE		APPR. F. RODRIGUEZ DATE DEC 11, 2019		DIVISION	
DIVISION		DIVISION CODE EMSD		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2020 This document and the information it contains are 3M property and may not be reproduced or further distributed without the express permission or use or disclosed other than for 3M authorized purposes. All rights reserved.		DO NOT SCALE DRAWING	
SCALE 4 1		TOLERANCES EXCEPT AS NOTED		TITLE BRANCH MINI-CLAMP LINK CONN., 38A SERIES		INCHES + 0.00 - 0.008 + 0.000		THIRD ANGLE PROJECTION	
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0 + 0.00 - 0.000		CAGE NUMBER D		SIZE DRAWING NO. 578-5100-2697-0		REV. A	
MAX. SURFACE ROUGHNESS <input type="checkbox"/> UNFINISHED SURFACES <input checked="" type="checkbox"/> MARKED ONLY		ANGLES		MODEL 38A04		DET. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		SHT 2 OF 4	

3M™ BRANCH MINI-CLAMP LINK CONNECTOR, 38A SERIES
WIREMOUNT CONNECTOR, JUNCTION TYPE



COVER



BODY

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MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY		ANGLES		CAGE NUMBER		SIZE		DRAWING NO.	
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MODEL		38A04		DET		YES		NO		SHT		3 OF 4	
A		88853		FEB 13, 2020		PRODUCTION RELEASE		JNC		FJR		REV	
DIP		CASTIGLIONE		DEC 11, 2019		MFG		DATE		DATE		DATE	
CHKD		F. RODRIGUEZ		DEC 11, 2019		DATE		DATE		DATE		DATE	

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3M Company
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						A	88853	FEB 13 2020				JNC	FJR	
						PRODUCTION RELEASE								
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CODES				CHRT		CASTIGLIONE		DATE DEC 11, 2019				MFG	DATE	
				CHRD				DATE				APPRV.	DATE	
												R. RODRIGUEZ	DEC 11, 2019	
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DO NOT SCALE DRAWING				SCALE $\frac{4}{1}$								TOLERANCES EXCEPT AS NOTED		
 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009				$\begin{matrix} .0 \\ .00 \\ .000 \\ .0000 \end{matrix} \pm$ INCHES $\begin{matrix} 0 \\ .0 \\ .00 \\ .000 \end{matrix} \pm$ MILLIMETERS				TITLE <div style="text-align: center;">BRANCH MINI-CLAMP LINK CONN., 38A SERIES</div>						
<input checked="" type="checkbox"/> MARKED ONLY <input type="checkbox"/> UNMARKED SURFACES				<input checked="" type="checkbox"/> ANGLES								CAGE NUMBER D 78-5100-2697-0		
				MODEL				SIZE				DRAWING NO.		
				38A04				DEF.				REV. A		
								LISTS				YES X NO		
												SHT 4 OF 4		

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