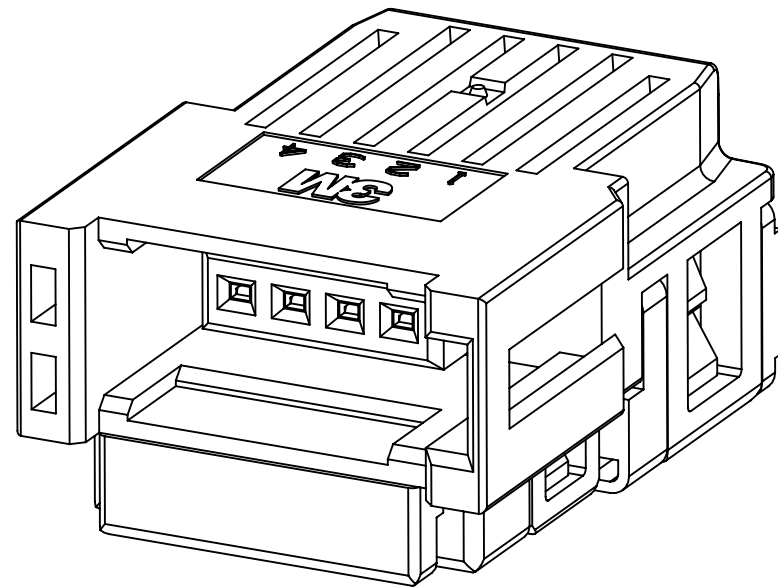
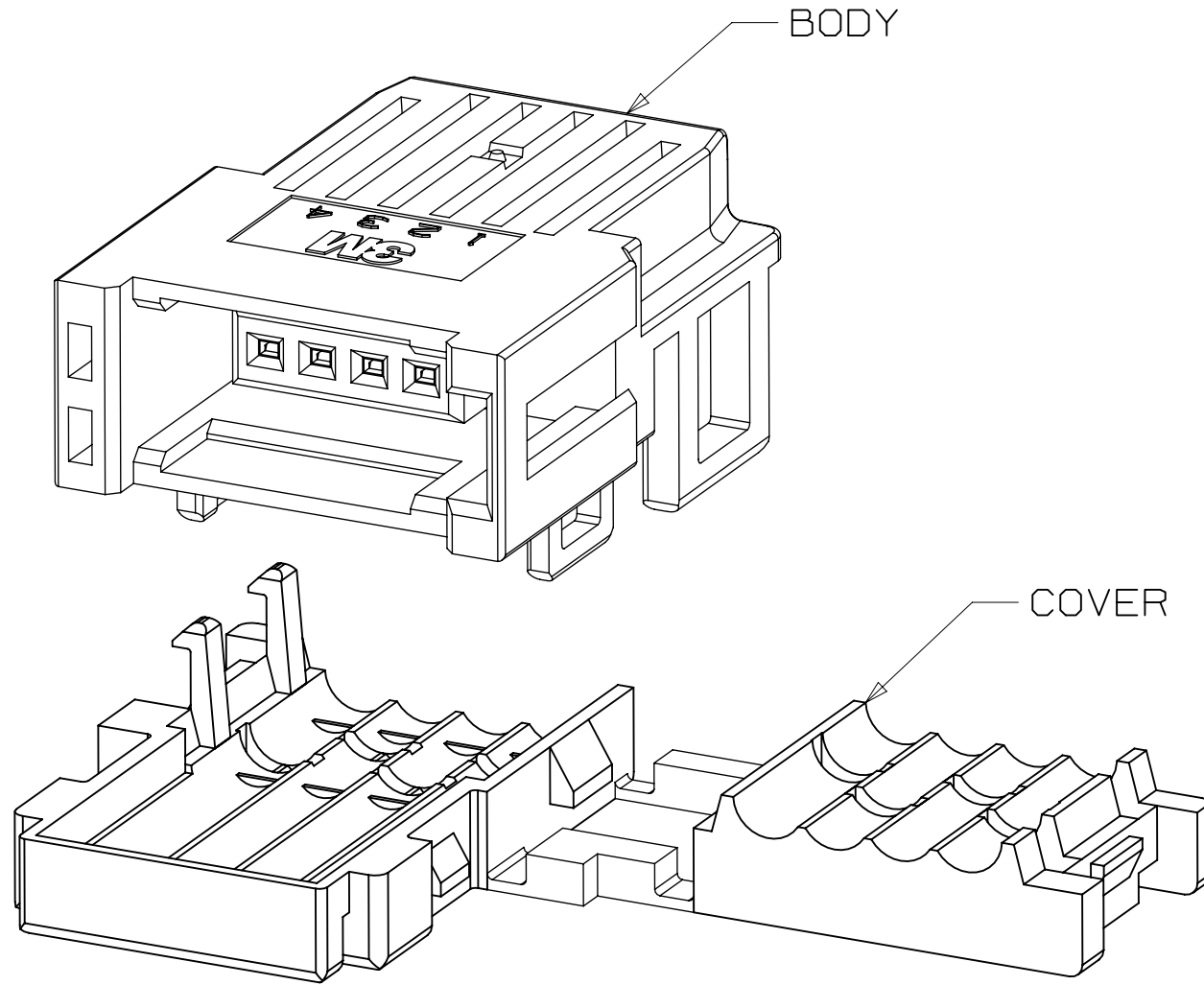


3M™ BRANCH MINI-CLAMP LINK CONNECTOR, 38A SERIES
WIREMOUNT CONNECTOR, JUNCTION TYPE



-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.

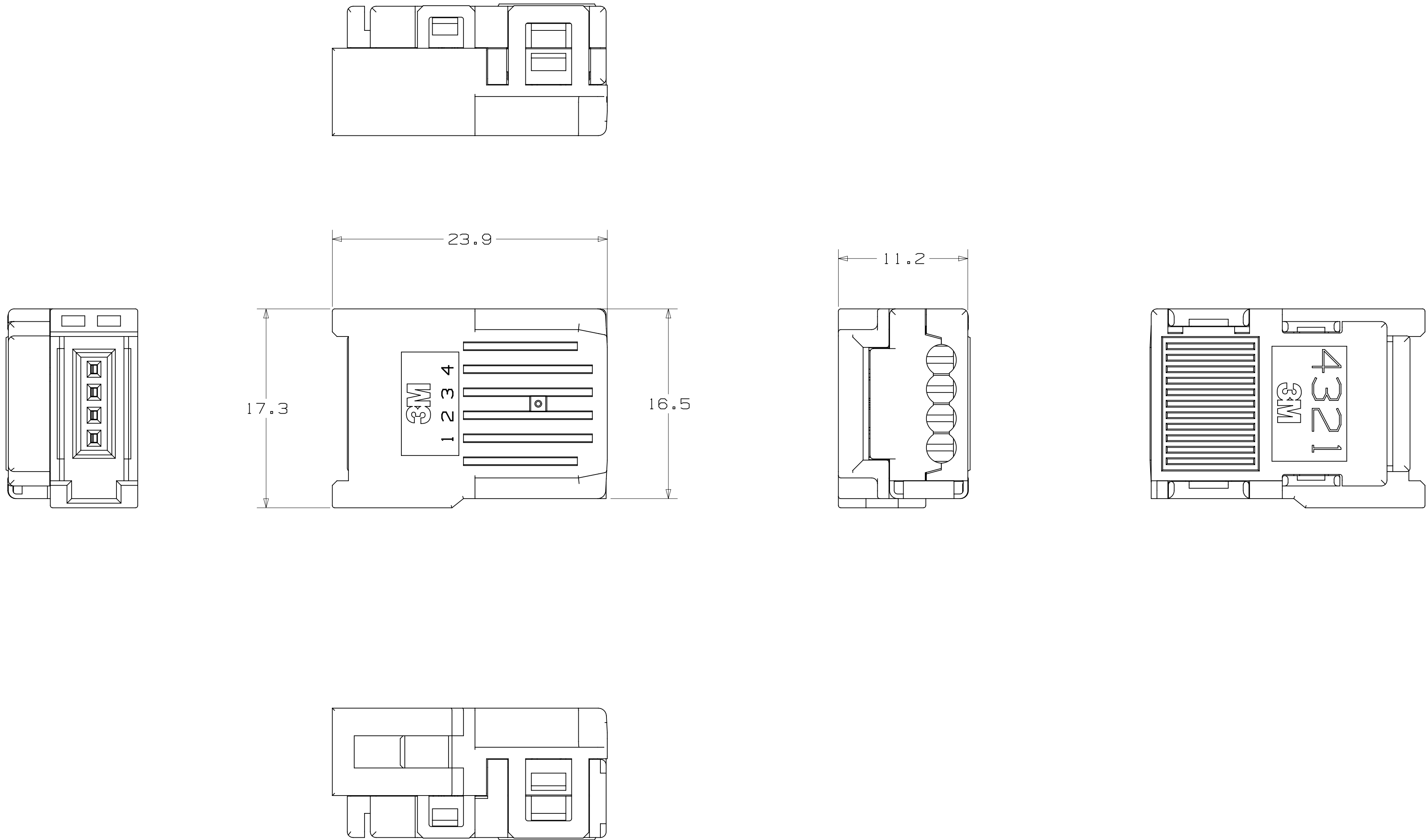
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MM		
TOLERANCE - UNLESS NOTED		
	X.X	X.XX
MM	±0.1	±0.10

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
XREF		XREF		XREF		XREF		XREF		XREF		XREF	
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THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		INCHES		MILLIMETERS		INCHES		MILLIMETERS		INCHES	
MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY	
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A		88853		FEB 13, 2020		JNC		FJR		REV		ECO	
CASTIGLIONE		DEC 11, 2019		F. RODRIGUEZ		DEC 11, 2019		REV		ECO		ISSUE DATE AND DESCRIPTION	
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WIREMOUNT CONNECTOR, JUNCTION TYPE

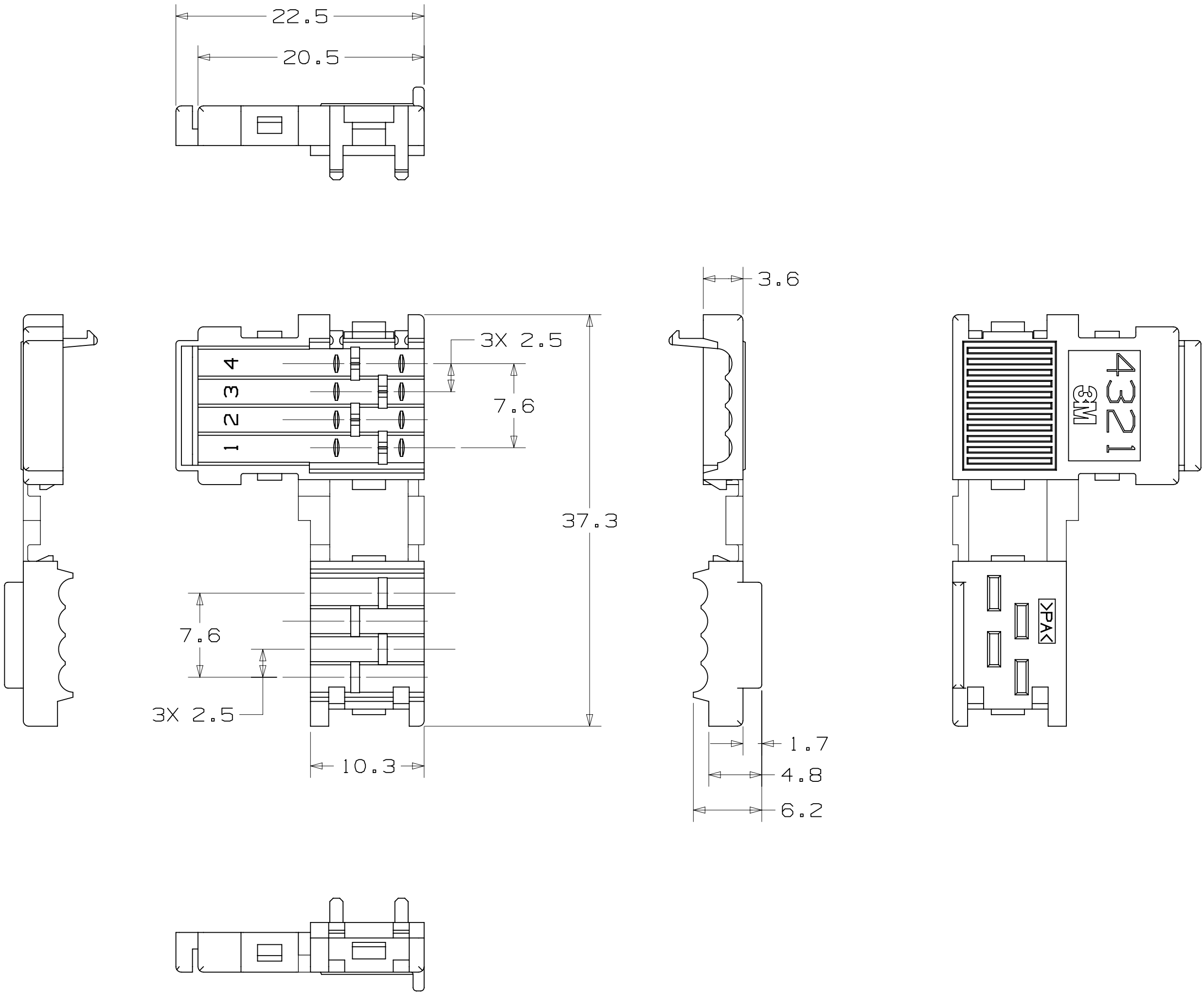


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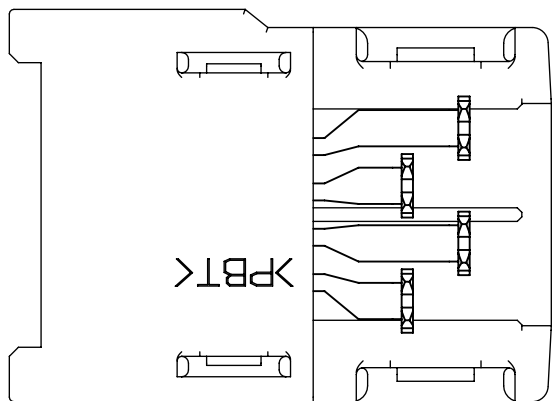
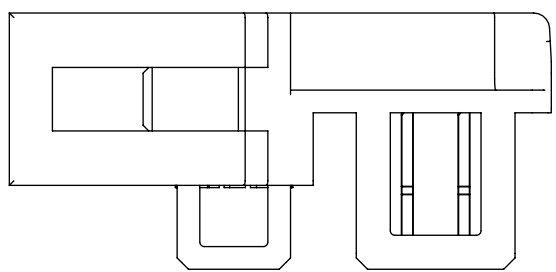
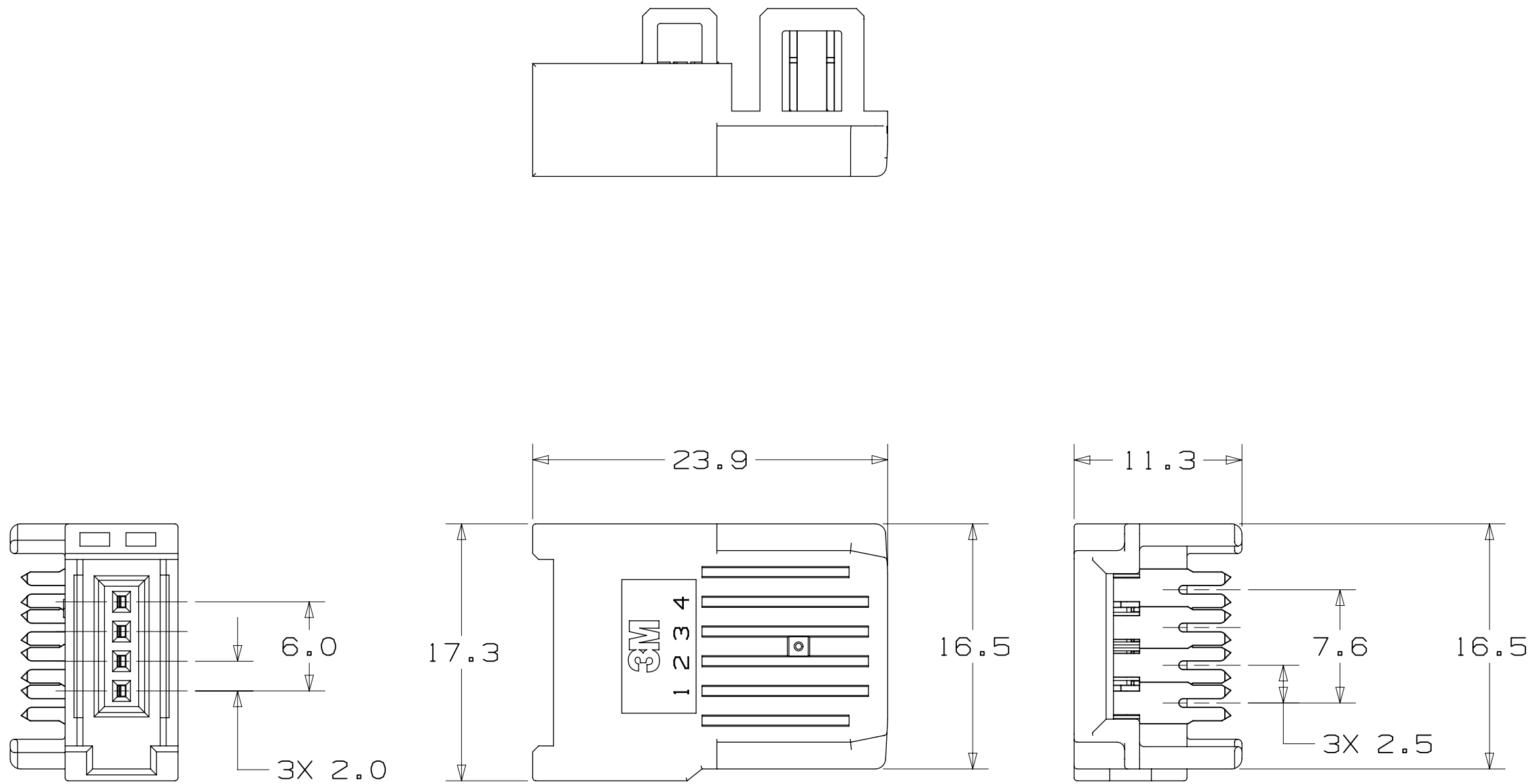
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XREF CODES				DPR		CASTIGLIONE		DATE DEC 11, 2019		MFG		DATE	
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MAX SURFACE ROUGHNESS		SURFACES		CAGE NUMBER		SIZE		DRAWING NO.		REV.			
MARKED ONLY		ANGLES		D		78-5100-2697-0		38A04		A			
				DET		YES		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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38A04		DET		YES		NO		SHT 3 OF 4					

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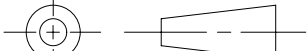
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								APPRV		F. RODRIGUEZ		DATE	
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 THIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 2009		INCHES .0 .00 .000 .0000 ±		TITILE BRANCH MINI-CLAMP LINK CONN., 38A SERIES									
MAX SURFACE ROUGHNESS 12.5 MARKED ONLY		MILLIMETERS 0 .0 .00 .000 ±		CAGE NUMBER D		SIZE DRAWING NO. 78-5100-2697-0		REV.		A			
MODEL 38A04		ANGLES 0 .0 .00 .000 ±		DET. 1		YES ☒ NO ☐		SHT 4 OF 4					

