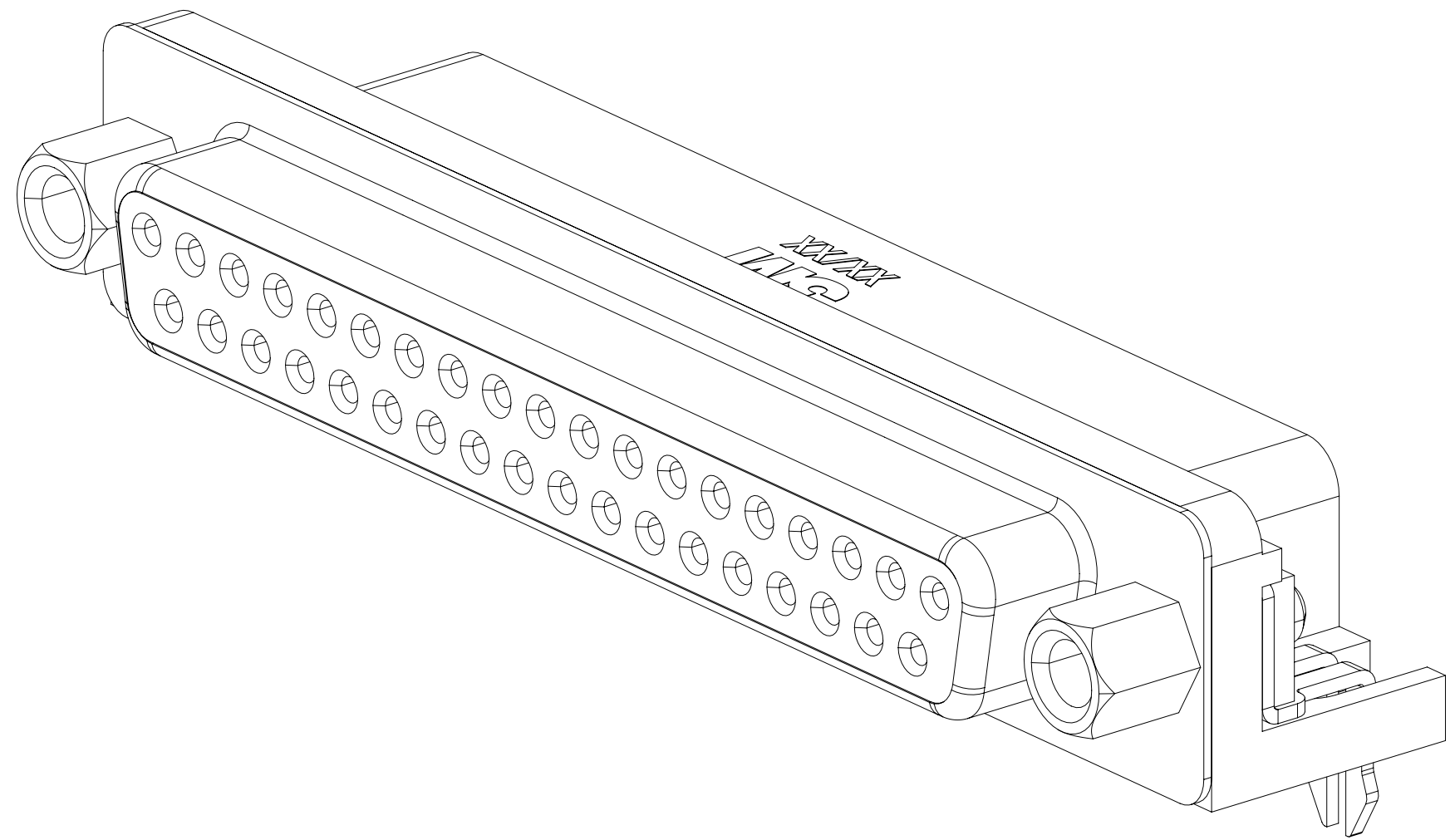


3M™ BOARDMOUNT D-SUB RIGHT ANGLE PLUG CONNECTOR, 887 SERIES
FEMALE, SOLDER TAIL



2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PBT)
MATERIAL: UL94V-0
FLAMMABILITY: BLACK
CONTACT: COPPER ALLOY
MATERIAL: PLATING:
UNDER PLATING: 1.27µm (50µ") AVG. NICKEL-OVERALL
WIPING AREA: 0.76µm (30µ") AVG. GOLD
SOLDER TAILS: 3µm-5µm (0.076µ"-0.127µ") MATTE TIN
MARKINGS: 3M LOGO

2 ELECTRICAL :

CURRENT RATING: 1A
INSULATION RESISTANCE: >1×10⁹Ω
WITHSTANDING VOLTAGE: 1,000V_{RMS}, 1mA, 60s
VOLTAGE RATING: 300V

2 ENVIRONMENTAL :

TEMPERATURE RATING: -40° C TO +100° C

ORDERING INFORMATION
887XX-5005

NUMBER OF PINS
(SEE TABLE 1)

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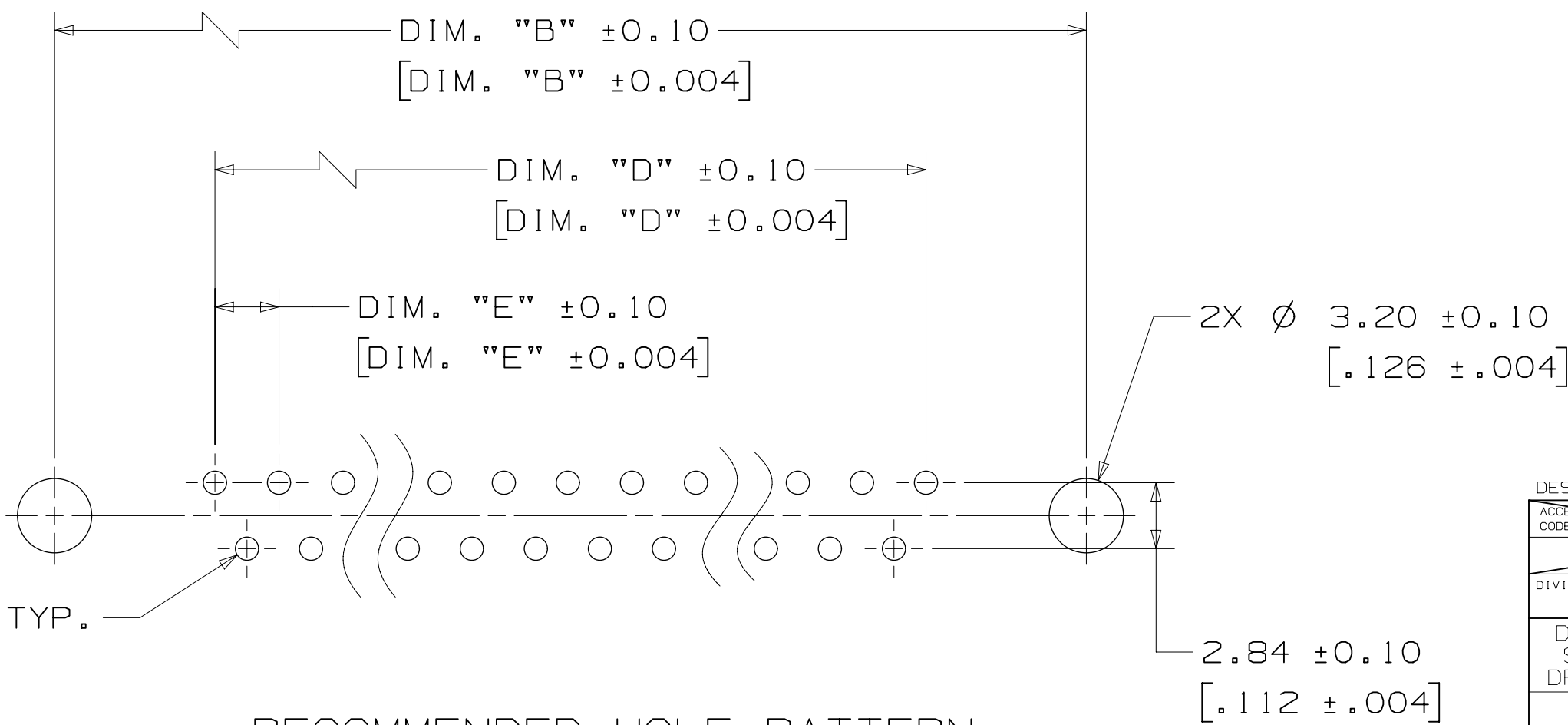
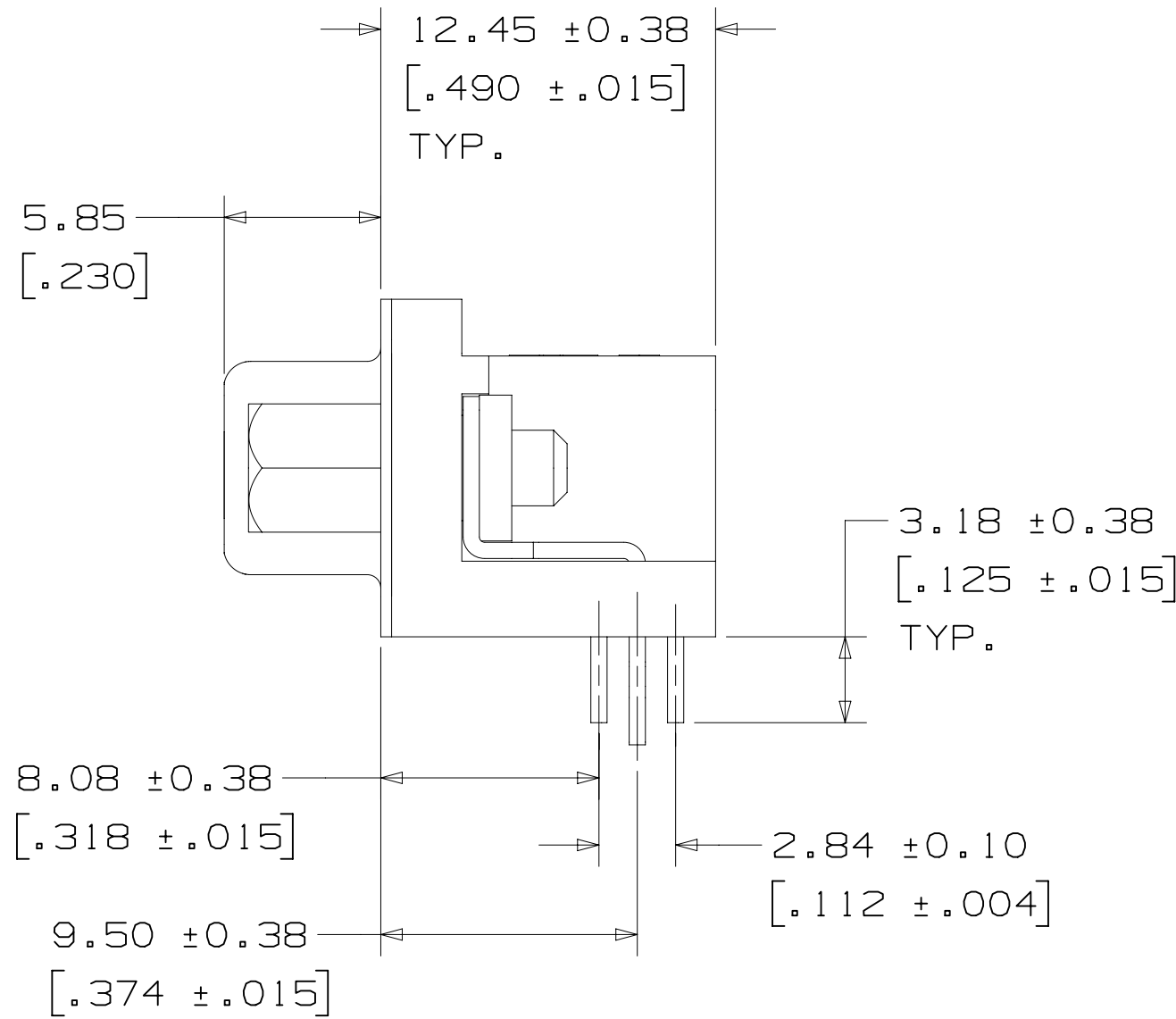
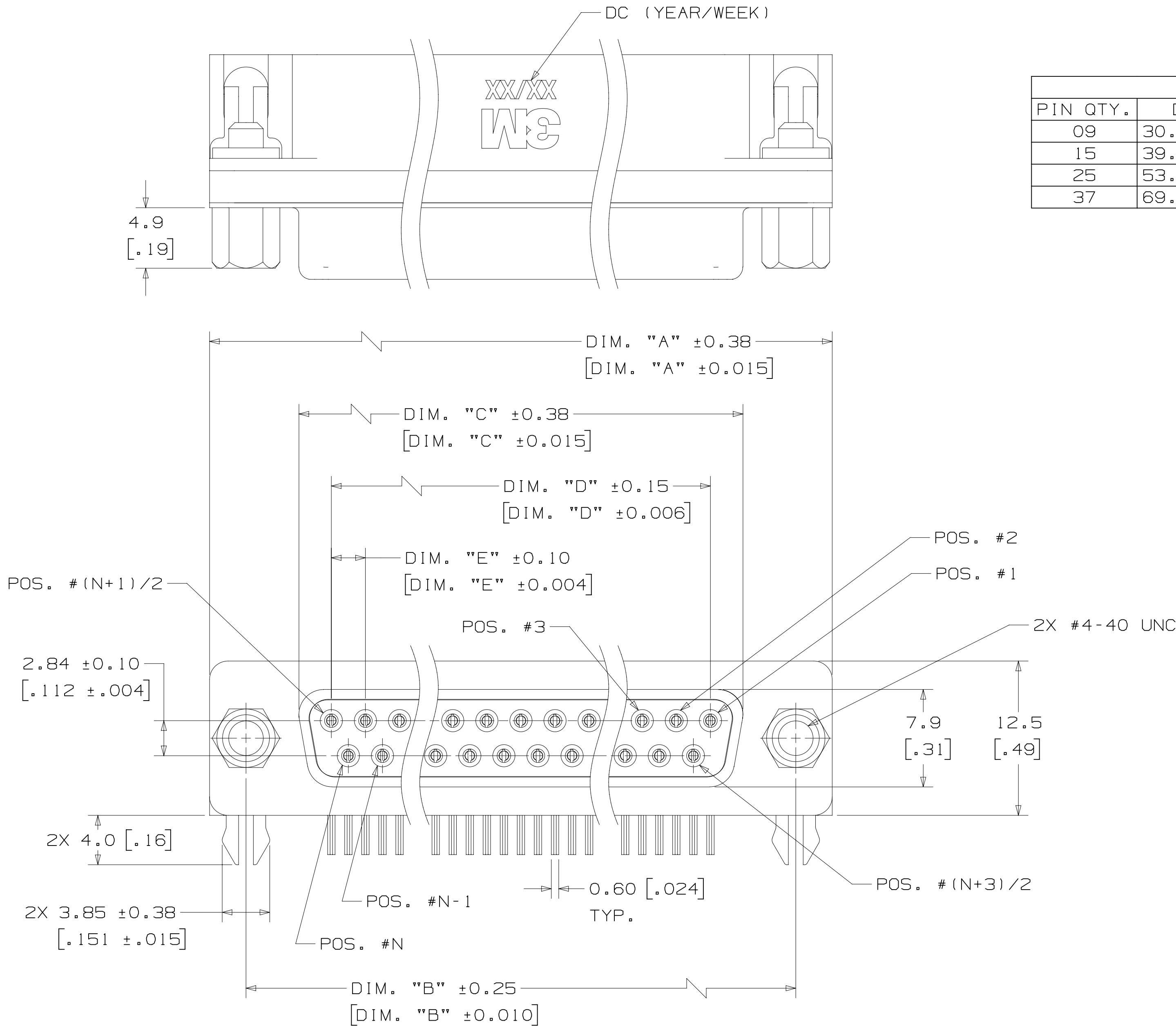
DIMENSIONS: MM [INCHES]
[INCHES] IS FOR REF. ONLY

DESIGNATIONS: MM [INCHES]				A 111930		NOV 01,2023		JNC		JG	
ES) IS FOR REF. ONLY						REMOVE CONTACT RESISTANCE					
DESIGN REFERENCE				NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION	
ADDRESS						REV		ECO		DATE	
CODES						REV		ECO		DATE	
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3M™ BOARDMOUNT D-SUB RIGHT ANGLE PLUG CONNECTOR, 887 SERIES
FEMALE, SOLDER TAIL

NOTES
1. N = TOTAL NUMBER OF TERMINALS.

TABLE 1					
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
09	30.80 [1.213]	25.00 [0.984]	16.35 [.644]	10.96 [0.431]	2.74 [0.108]
15	39.20 [1.543]	33.30 [1.311]	24.66 [.971]	19.18 [0.755]	2.74 [0.108]
25	53.04 [2.088]	47.04 [1.852]	38.38 [1.511]	33.12 [1.304]	2.76 [0.109]
37	69.40 [2.732]	63.50 [2.500]	54.80 [2.157]	49.68 [1.956]	2.76 [0.109]



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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES		CHKD	CASTIGLIONE	DATE OCT 05, 2023	MFG	DATE
DIVISION	DIVISION CODE	CHKD	J. GEORTZ	DATE OCT 05, 2023		
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS				
MAX SURFACE ROUGHNESS	DEF SURFACES	INCHES				
MARKED ONLY						
3M		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2023		
TITLE		BOARDMOUNT D-SUB RIGHT ANGLE FEMALE PLUG CONNECTOR				
CAGE NUMBER	SIZE	DRAWING NO.	REV.			
D	78-5100-2794-5	A				
MODEL	D-SUB	DET	LISTS	YES	NO	SHT 2 OF 3

3M™ BOARDMOUNT D-SUB RIGHT ANGLE PLUG CONNECTOR, 887 SERIES
FEMALE, SOLDER TAIL

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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE		DATE	MFG	DATE
				CHKD			DATE	APPR	DATE
						J. GEORTZ		OCT 05,2023	
DIVISION		DIVISION CODE		EMSD					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		INCHES			
THIRD ANGLE PROJECTION						MILLIMETERS			
						INTERPRET PER ASME Y14.5 - 2018			
MAX SURFACE ROUGHNESS						SURFACES			
MARKED ONLY						ANGLES			
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TITLE		BOARDMOUNT D-SUB RIGHT ANGLE FEMALE PLUG CONNECTOR							
CAGE NUMBER		SIZE		DRAWING NO.		REV.			
D		78-5100-2794-5		A					
MODEL		D-SUB		DET		LISTS		YES NO	
						SHT		3 OF 3	