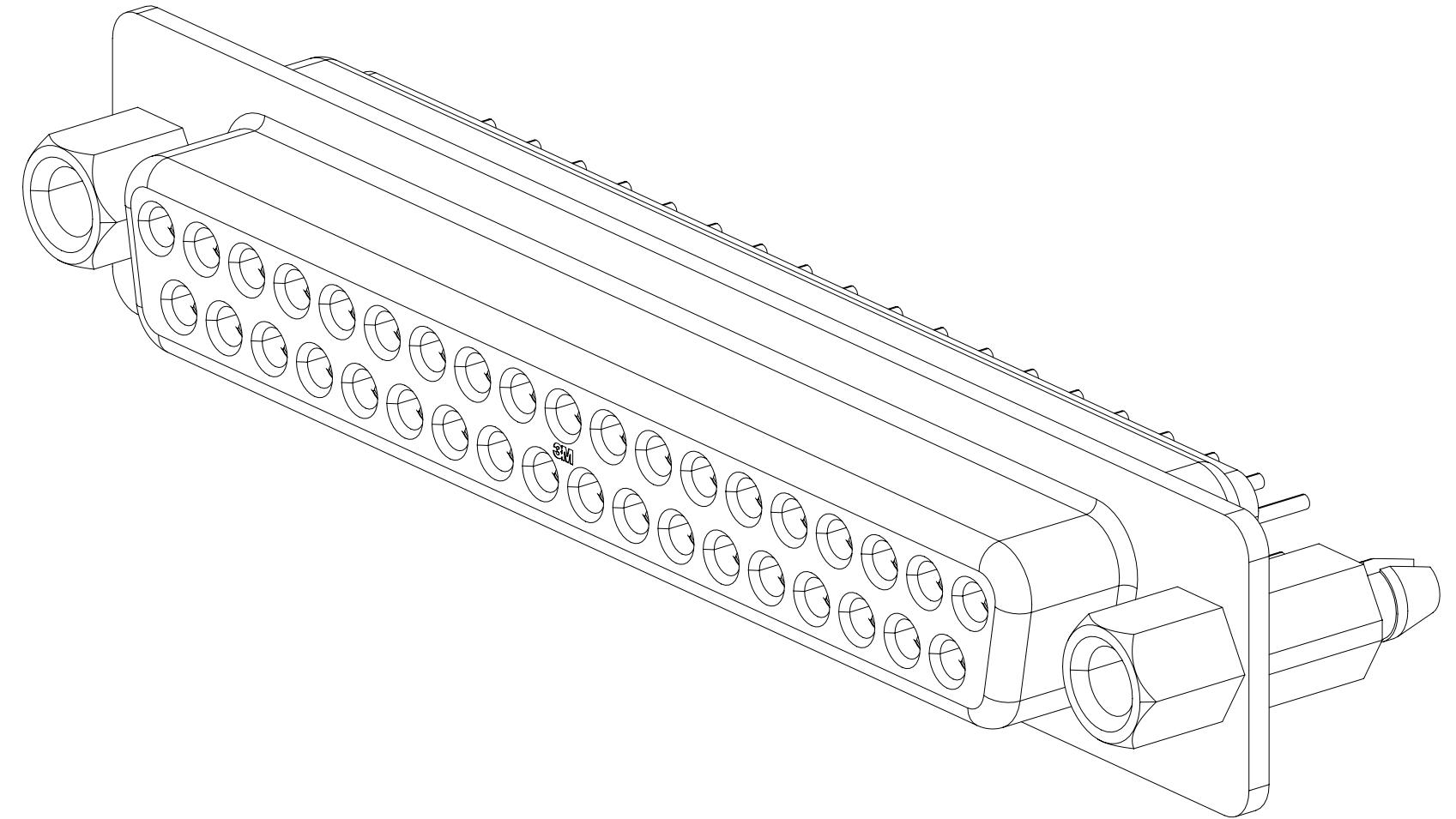


3M™ BOARDMOUNT D-SUB STRAIGHT PLUG CONNECTOR, 885 SERIES  
FEMALE, SOLDER TAIL

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 PRECEDENCE.



2 PHYSICAL:

INSULATOR:  
MATERIAL: GLASS FILLED POLYESTER (PBT)  
FLAMMABILITY: UL94V-0  
COLOR: BLACK  
CONTACT:  
MATERIAL: COPPER ALLOY  
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:  $>1\times10^9\Omega$   
WITHSTANDING VOLTAGE: 1,000V<sub>RMS</sub>, 1mA, 60s  
VOLTAGE RATING: 300V

2 ENVIRONMENTAL:

TEMPERATURE RATING: -40° C TO +100° C

ORDERING INFORMATION  
885XX-6000

NUMBER OF PINS  
(SEE TABLE 1)

DIMENSIONS: MM [ INCHES ] [ INCHES ] IS FOR REF. ONLY		A 111930	NOV 01,2023	JNC JG
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CASTIGLIONE		DATE SEP 18,2023	MFG DATE	
COKO		DATE	APPRV J. GOERTZ	DATE SEP 18,2023
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3M Center St. Paul, MN 55144				
TITLE: BOARDMOUNT D-SUB STRAIGHT FEMALE PLUG CONNECTOR				
DESIGN REFERENCE: ACCESS CODES: DIVISION: EMD		NEXT ASSEMBLY: DESIGN REFERENCE: ACCESS CODES: DIVISION: EMD	REV: ECO: ISSUE DATE AND DESCRIPTION: DRFT: CHKD:	
DO NOT SCALE DRAWING		SCALE 4	TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION			INCHES	
INTERPRET PER ASME Y14.5 - 2018			MILLIMETERS	
MAX SURFACE ROUGHNESS			.0 .05 .000 .025 .000 .025	
UNLESS SURFACES MARKED ONLY			.0 .38 .00 .25 .000 .025	
ANGLE 90°			CAGE SIZE DRAWING NO. D 78-5100-2792-9 REV. A	
			DET. LISTS: YES X NO SHT 1 OF 3	

8 7 6 5 4 3 2 1  
**3M™ BOARDMOUNT D-SUB STRAIGHT PLUG CONNECTOR, 885 SERIES**  
 FEMALE, SOLDER TAIL

NOTES  
 1. N = TOTAL NUMBER OF TERMINALS.

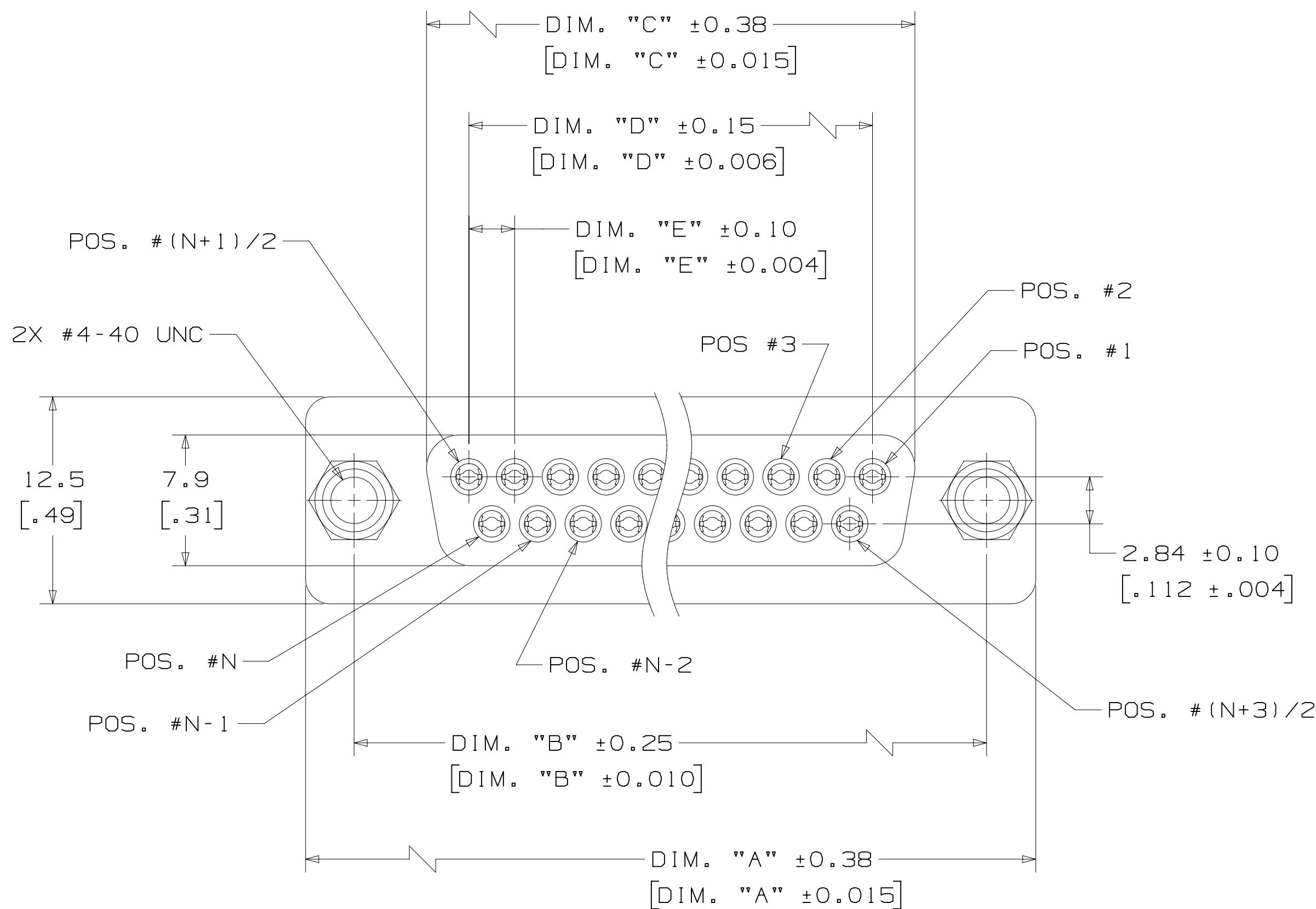
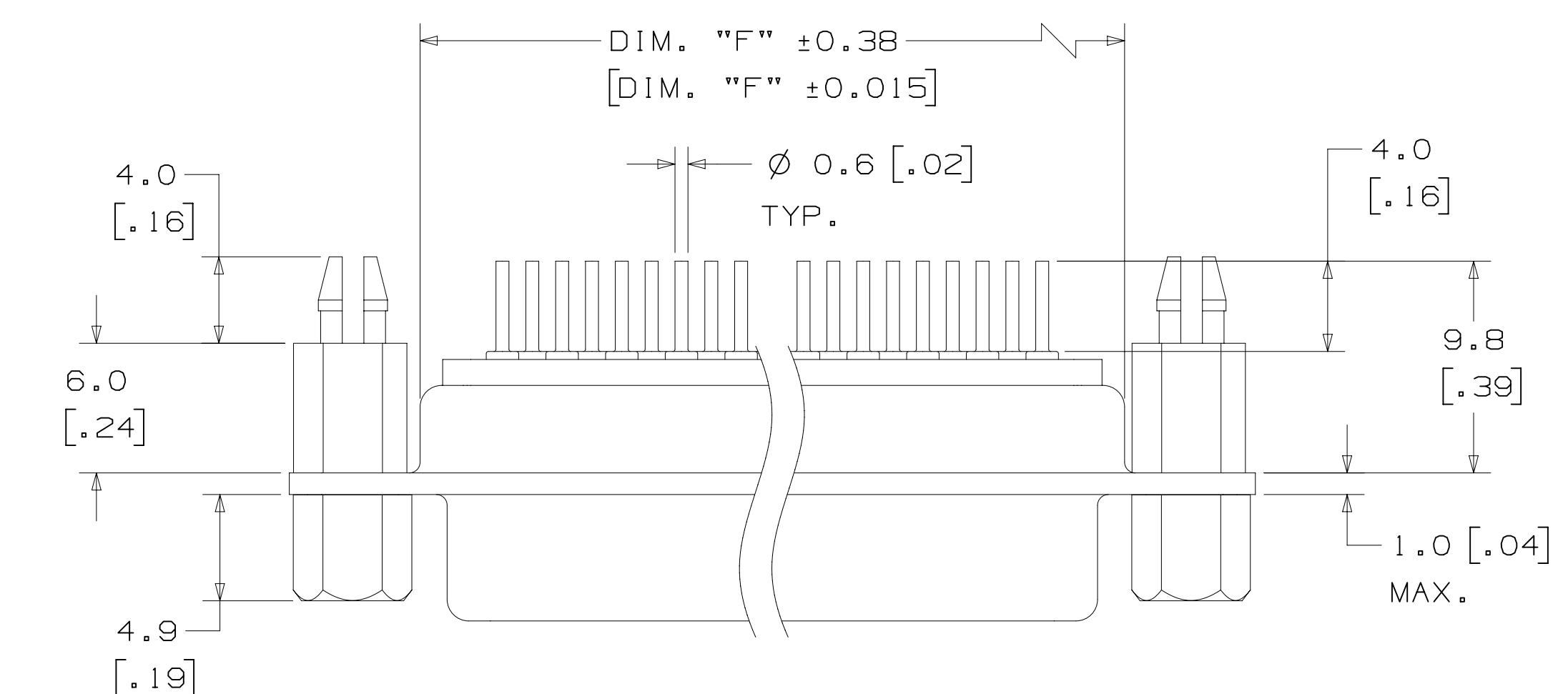
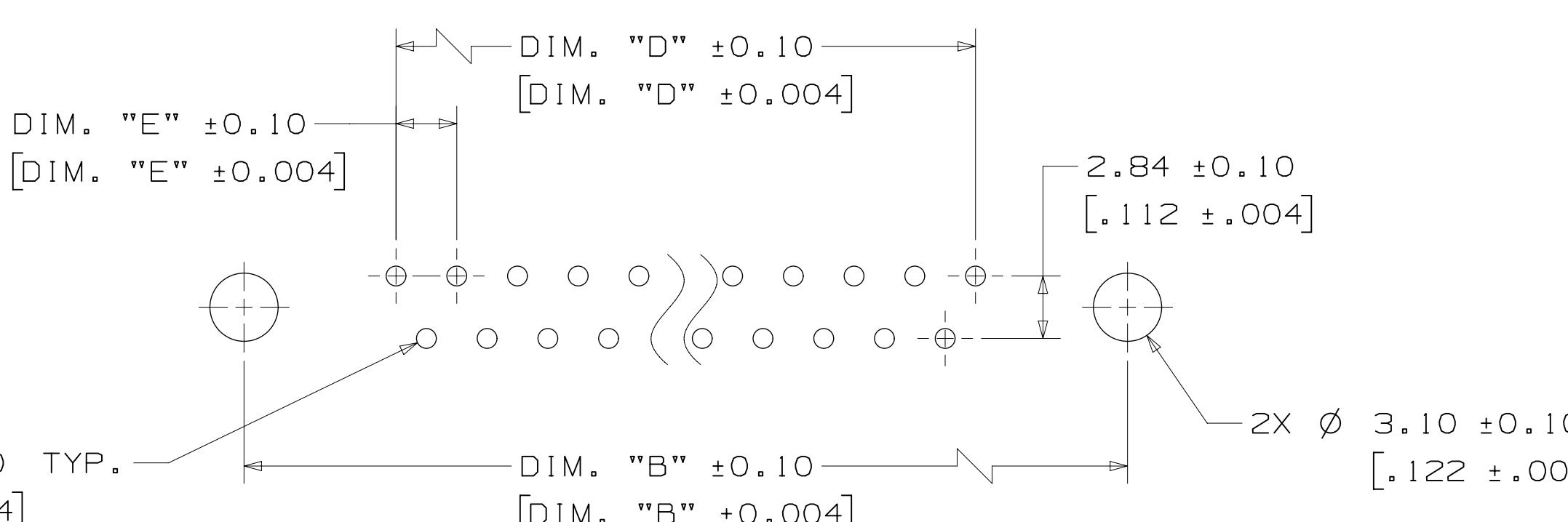
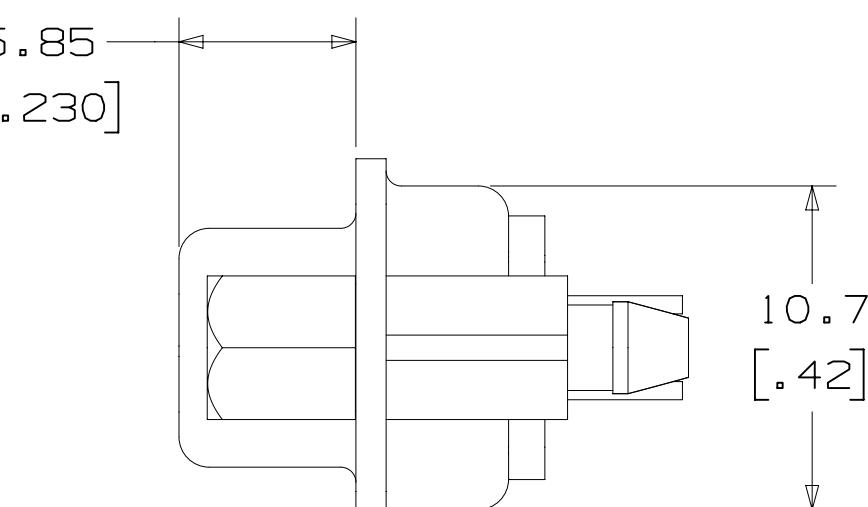


TABLE 1						
PIN QTY.	DIM. "A" [DIM. "A" ± 0.015]	DIM. "B" [DIM. "B" ± 0.010]	DIM. "C" [DIM. "C" ± 0.015]	DIM. "D" [DIM. "D" ± 0.006]	DIM. "E" [DIM. "E" ± 0.004]	DIM. "F" [DIM. "F" ± 0.015]
09	30.80 [1.213]	25.00 [0.984]	16.35 [0.644]	10.96 [0.431]	2.74 [0.108]	19.20 [0.756]
15	39.20 [1.543]	33.30 [1.311]	24.66 [0.971]	19.18 [0.755]	2.74 [0.108]	27.70 [1.091]
25	53.04 [2.088]	47.04 [1.852]	38.40 [1.512]	33.12 [1.304]	2.76 [0.109]	41.10 [1.618]
37	69.40 [2.732]	63.50 [2.500]	54.80 [2.157]	49.68 [1.956]	2.76 [0.109]	57.30 [2.256]



RECOMMENDED HOLE PATTERN  
 (AS VIEWED FROM CONNECTOR SIDE)

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION  
 INTERCONNECT SOLUTIONS  
<http://www.3M.com/interconnect>

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DESIGN REFERENCE	NEXT ASSEMBLY
ACCESS CODES	REV. ECO DATE: SEP 18, 2023 MFG DATE: SEP 18, 2023
CASTIGLIONE	APPROV. J. GOERTZ DATE: SEP 18, 2023
CHKD	3M Center St. Paul, MN 55144
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TITLE: BOARDMOUNT D-SUB STRAIGHT FEMALE PLUG CONNECTOR	
DRAWING NO. D-78-5100-2792-9 REV. A	
CAGE NUMBER D-78-5100-2792-9 REV. A	
MODEL D-SUB	

# 3M™ BOARDMOUNT D-SUB STRAIGHT PLUG CONNECTOR, 885 SERIES

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DESIGN REFERENCE		NEXT ASSEMBLY		A	111930	NOV 01, 2023	JNC	JG
ACCESS CODES				REV	ECO	REMOVE CONTACT RESISTANCE		
							DRFT	CHKD
				DRFT CASTIGLIONE		DATE SEP 18, 2023	MFG	DATE
				CHKD		DATE	APPVL J. GOERTZ	DATE SEP 18, 2023
DIVISION		DIVISION CODE EMSD		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2023 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.		
DO NOT SCALE DRAWING	SCALE 4 1	TOLERANCES EXCEPT AS NOTED		INCHES .0 ± .00 ± .000 ± .0000 ±		TITLE BOARDMOUNT D-SUB STRAIGHT FEMALE PLUG CONNECTOR		
THIRD ANGLE PROJECTION								
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .5 0 ± .38 .00 ± .25 .000 ± .025		CAGE NUMBER	SIZE D	DRAWING NO. 78-5100-2792-9	REV. A	
MAX SURFACE ROUGHNESS								
<input type="checkbox"/> ALL SURFACES								
<input checked="" type="checkbox"/> MARKED ONLY		ANGLES		MODEL D-SUB		DET. LISTS	YES <input checked="" type="checkbox"/> NO	SHT 3 OF 3