

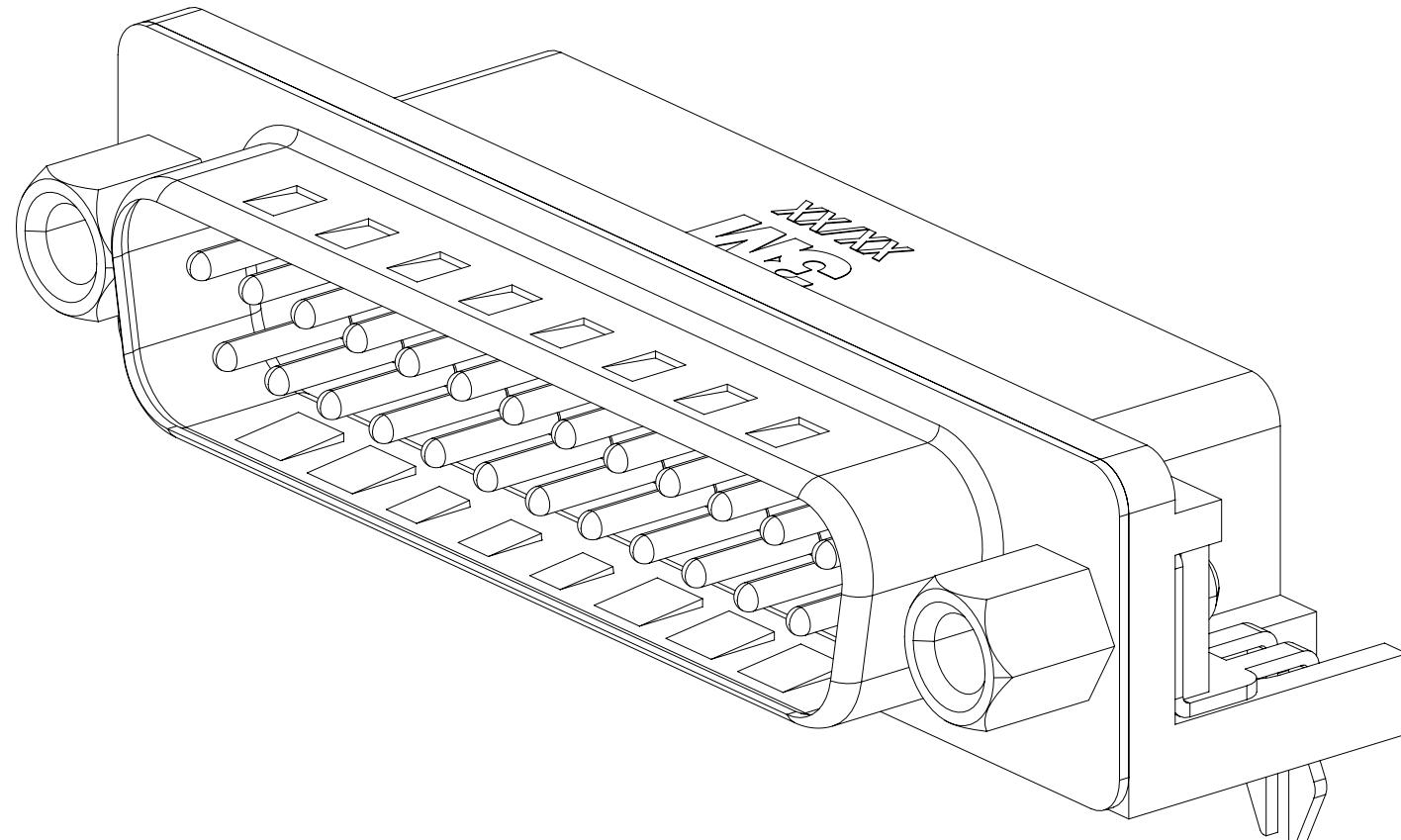
3M™ BOARDMOUNT D-SUB RIGHT ANGLE PLUG CONNECTOR, 886 SERIES MALE, SOLDER TAIL

MALE, SOLDER TAIL

NOTES

- REGULATORY INFORMATION:
VISIT 3M.com/regs

IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT



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
WIPPING 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_{RMS}, 1mA, 60s
VOLTAGE RATING: 300V

2 ENVIRONMENTAL :

TEMPERATURE RATING: - 40° C TO +100° C

ORDERING INFORMATION
886XX-5005

NUMBER OF PINS
(SEE TABLE 1)

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

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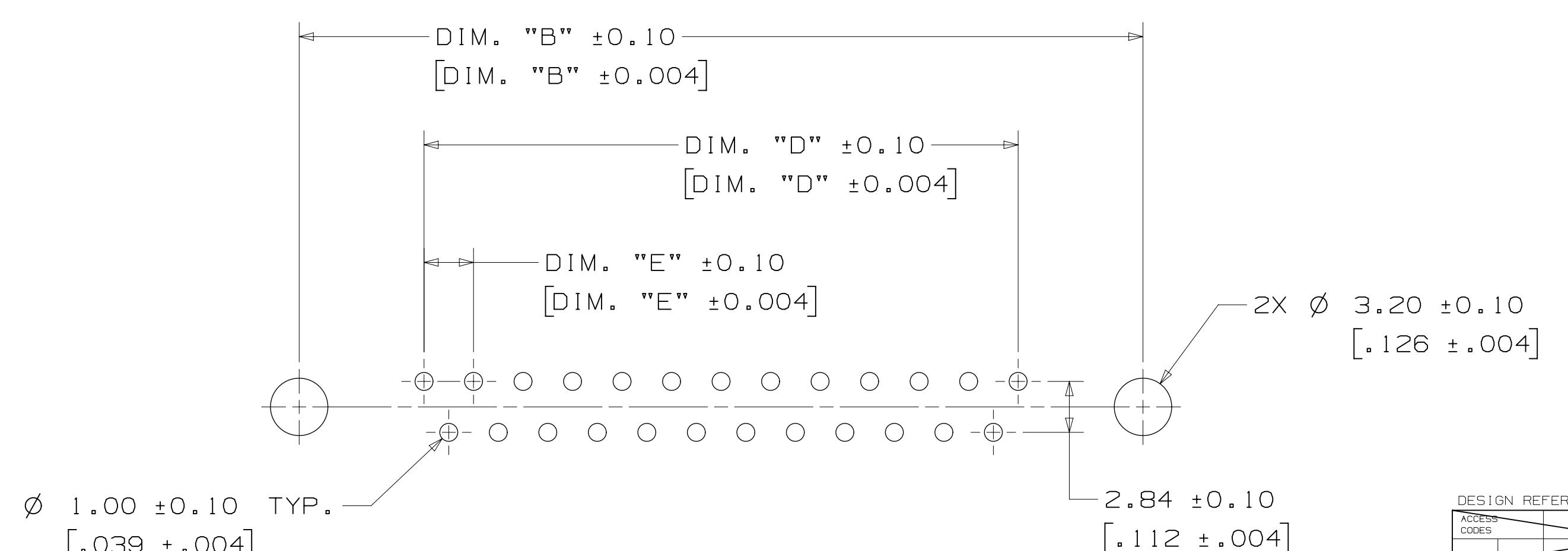
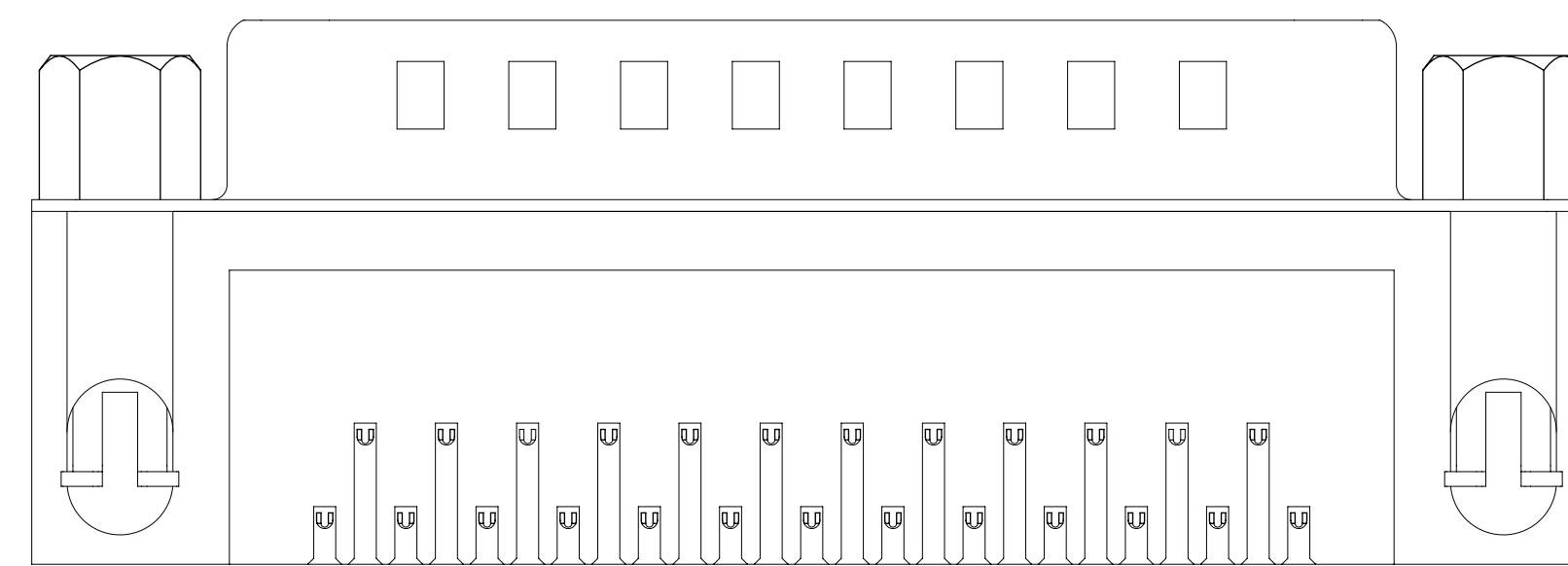
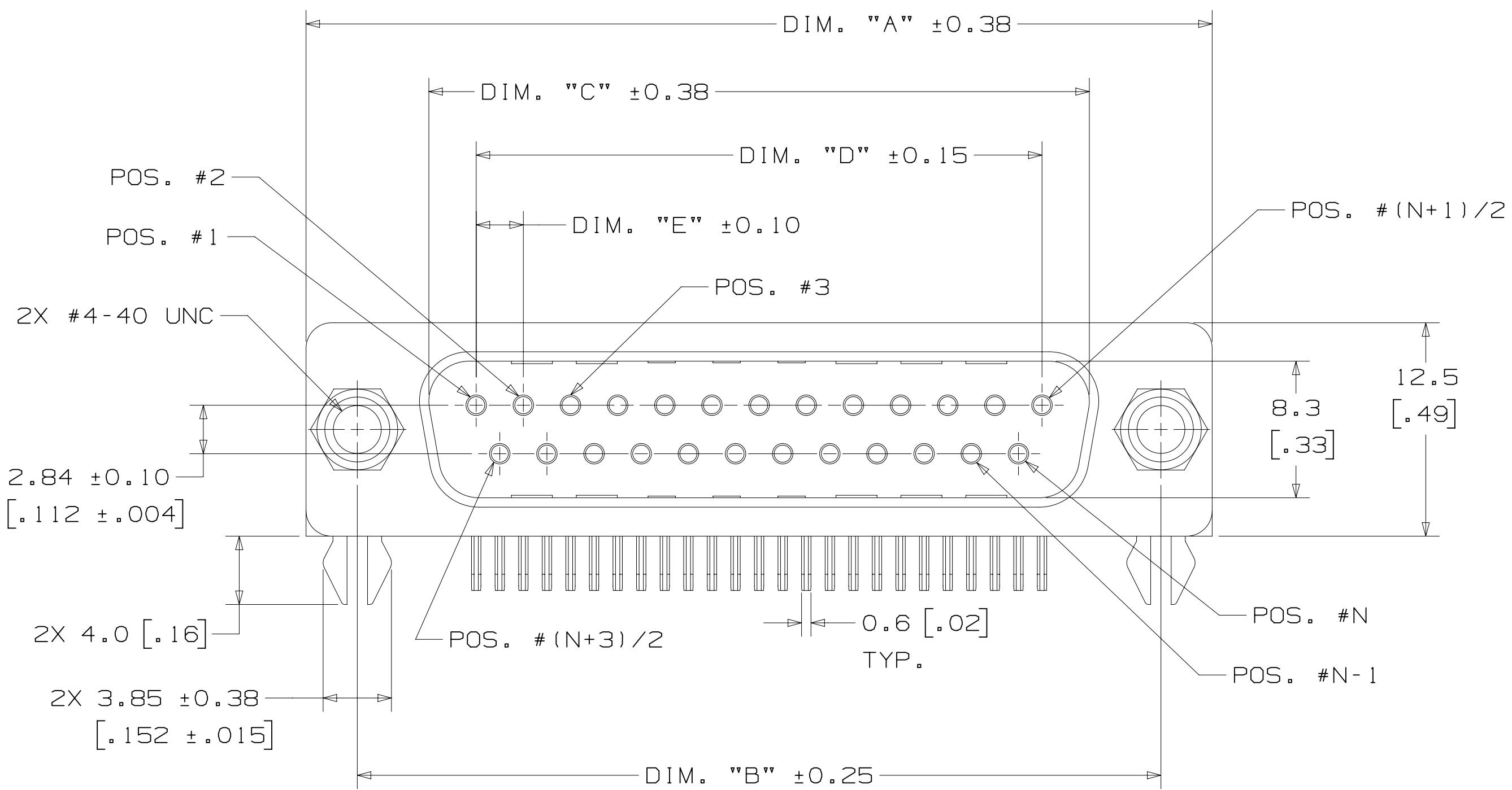
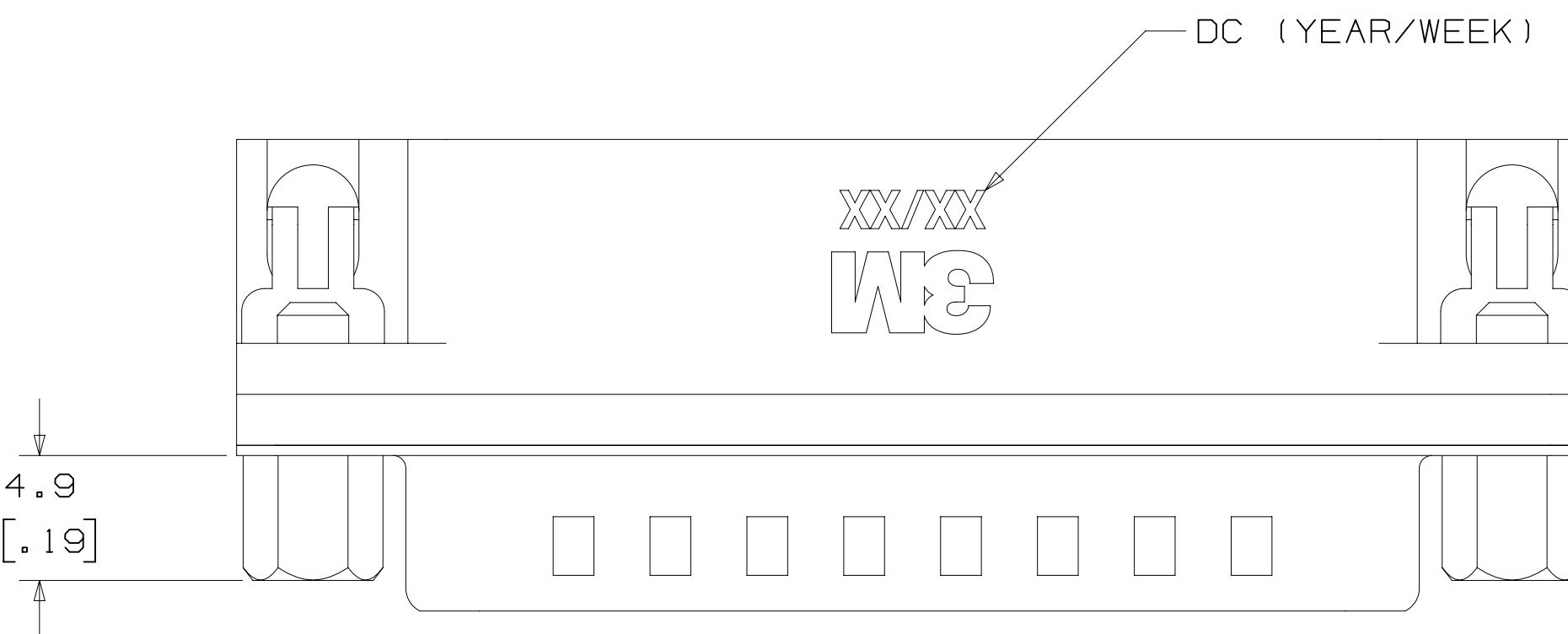
DIMENSIONS: MM [INCHES] INCHES] IS FOR REF. ONLY				A	111930	NOV 01, 2023	JNC	JG								
DESIGN REFERENCE				REV	ECO	REMOVE CONTACT RESISTANCE										
NEXT ASSEMBLY				ISSUE DATE AND DESCRIPTION			DRFT	CHK								
<table border="1"> <tr> <td>ACCESS CODES</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>				ACCESS CODES								DRFT CASTIGLIONE		DATE SEP 27, 2023	MFG	DATE
ACCESS CODES																
				CHKD		DATE	APPVL J. GOERTZ	DATE SEP 27, 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		TITLE										
 THIRD ANGLE PROJECTION		.0 \pm .00 \pm .000 \pm .0000 \pm				BOARDMOUNT D-SUB RIGHT ANGLE MALE PLUG CONNECTOR										
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS														
MAX SURFACE ROUGHNESS <input checked="" type="checkbox"/> ALL SURFACES <input type="checkbox"/> MARKED ONLY		0 \pm .5 .0 \pm .38 .00 \pm .25 .000 \pm .025		CAGE NUMBER D		DRAWING NO.		REV								
				MODEL D-SUB		DET. LISTS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		SHT 1 OF 3								

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NOTES

- N = TOTAL NUMBER OF TERMINALS.

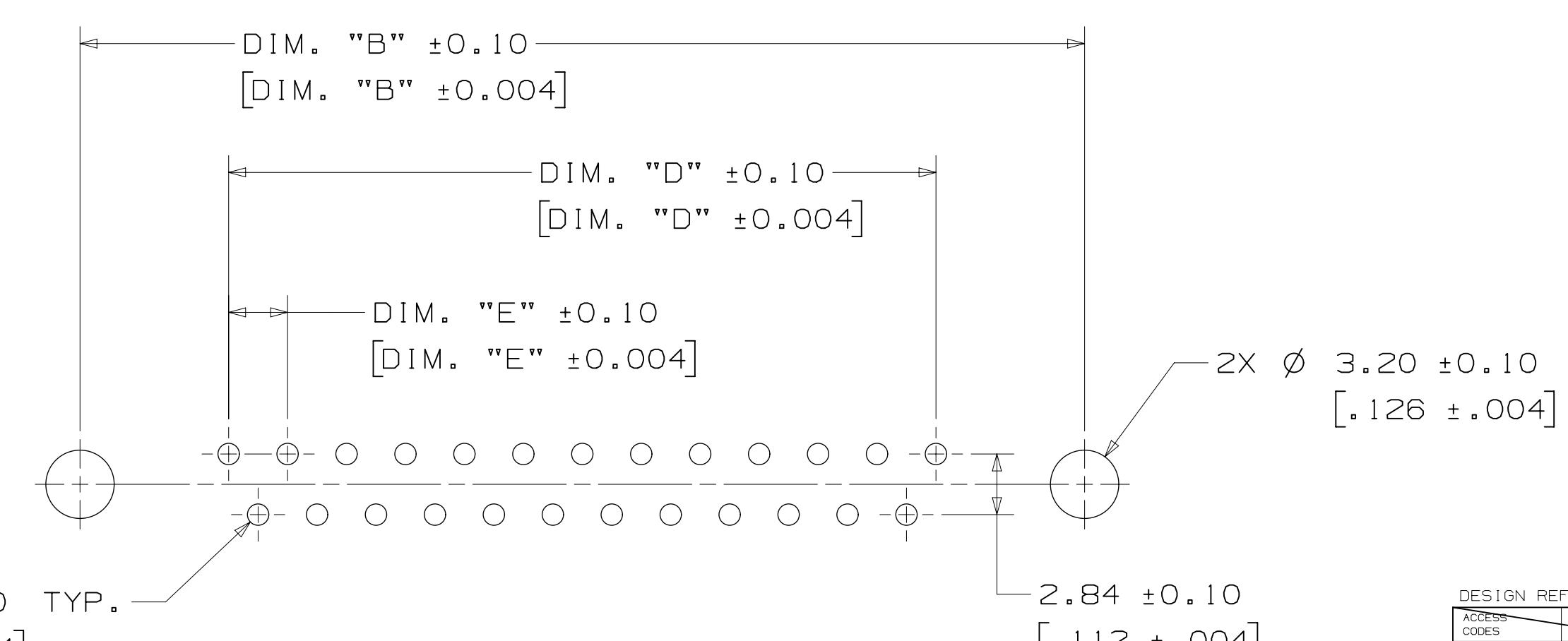
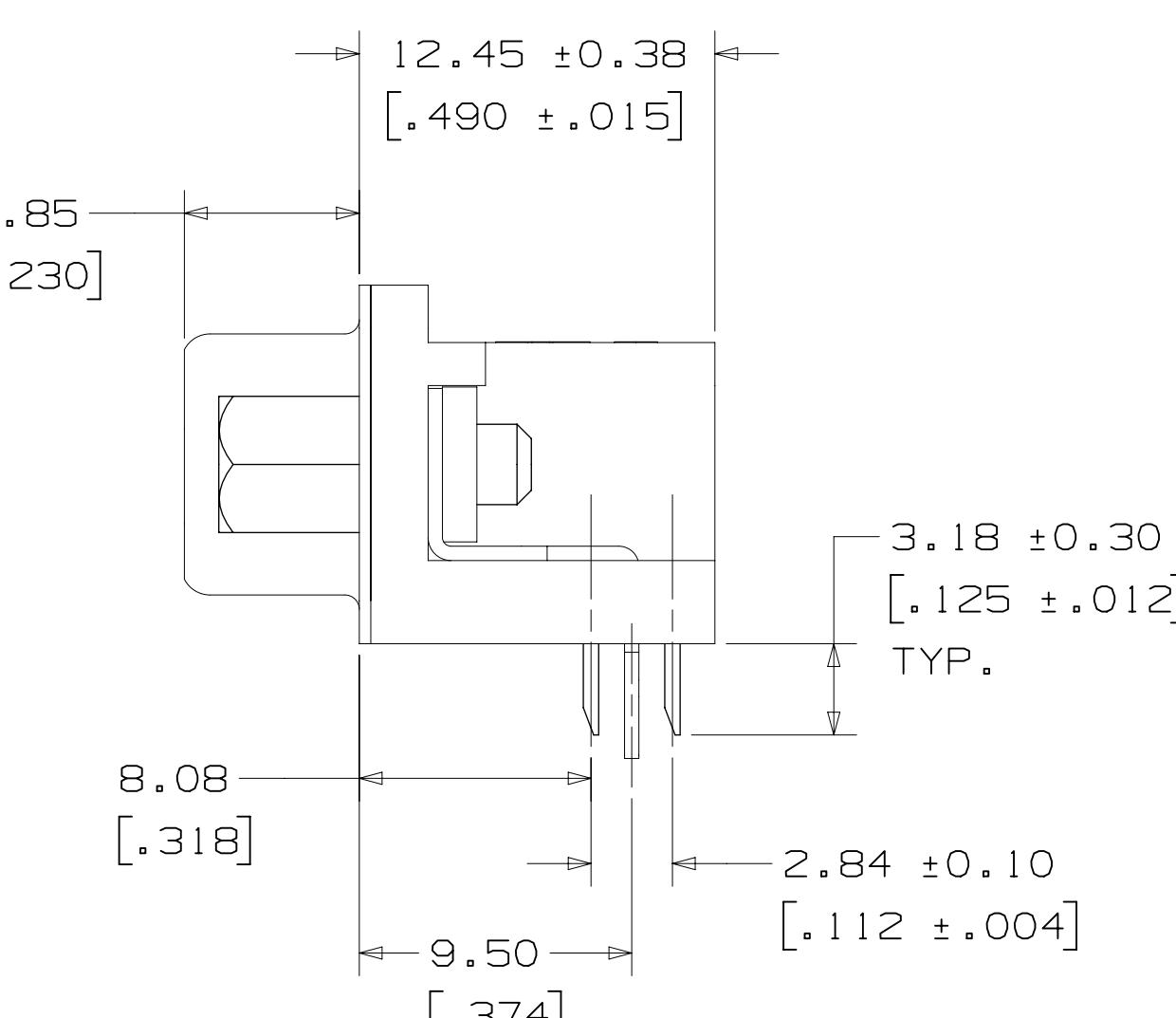


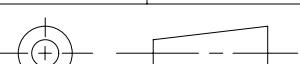
RECOMMENDED HOLE PATTERN (AS VIEWED FROM CONNECTOR SIDE)

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TABLE 1					
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
09	30.80 [1.213]	25.00 [0.984]	16.92 [0.666]	10.96 [0.431]	2.74 [0.108]
15	39.20 [1.543]	33.30 [1.311]	25.25 [0.994]	19.18 [0.755]	2.74 [0.108]
25	53.04 [2.088]	47.04 [1.852]	38.96 [1.534]	33.12 [1.304]	2.76 [0.109]
37	69.40 [2.732]	63.50 [2.500]	55.42 [2.182]	49.68 [1.956]	2.76 [0.109]



DESIGN REFERENCE		NEXT ASSEMBLY		A	111930	NOV 01, 2023	JNC	JG	
		REV	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD	
		DRFT	CASTIGLIONE	DATE	SEP 27, 2023	MFG	DATE		
		CHKD		DATE		APPVL	DATE		
						J. GOERTZ	SEP 27, 2023		
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DO NOT SCALE DRAWING		SCALE <u>4</u> 1	TOLERANCES EXCEPT AS NOTED		TITLE			BOARDMOUNT D-SUB RIGHT ANGLE MALE PLUG CONNECTOR	
 THIRD ANGLE PROJECTION		INCHES							
		.0 ± .00 ± .000 ± .0000 ±							
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS							
		0 ± .5 0 ± .38 .00 ± .25 .000 ± .025							
MAX SURFACE ROUGHNESS				CAGE NUMBER	SIZE	DRAWING NO.		REV.	
<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY					D	78-5100-2793-7		A	
		ANGLES		MODEL	DET. LISTS		YES <input checked="" type="checkbox"/> NO	SHT 2 OF 3	

3M™ BOARDMOUNT D-SUB RIGHT ANGLE PLUG CONNECTOR, 886 SERIES MALE, SOLDER TAIL

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Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
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INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		CAGE NUMBER		DRAWING NO.		
MAX SURFACE ROUGHNESS		0 $\pm .5$		SIZE		78-5100-2793-7		
<input type="checkbox"/> ALL SURFACES <input checked="" type="checkbox"/> MARKED ONLY		.0 $\pm .38$		NUMBER		REV.		
		.00 $\pm .25$		D		A		
		.000 $\pm .025$		MODEL		DET. LISTS		
		ANGLES		D-SUB		YES <input checked="" type="checkbox"/> NO		
						SHT 3 OF 3		