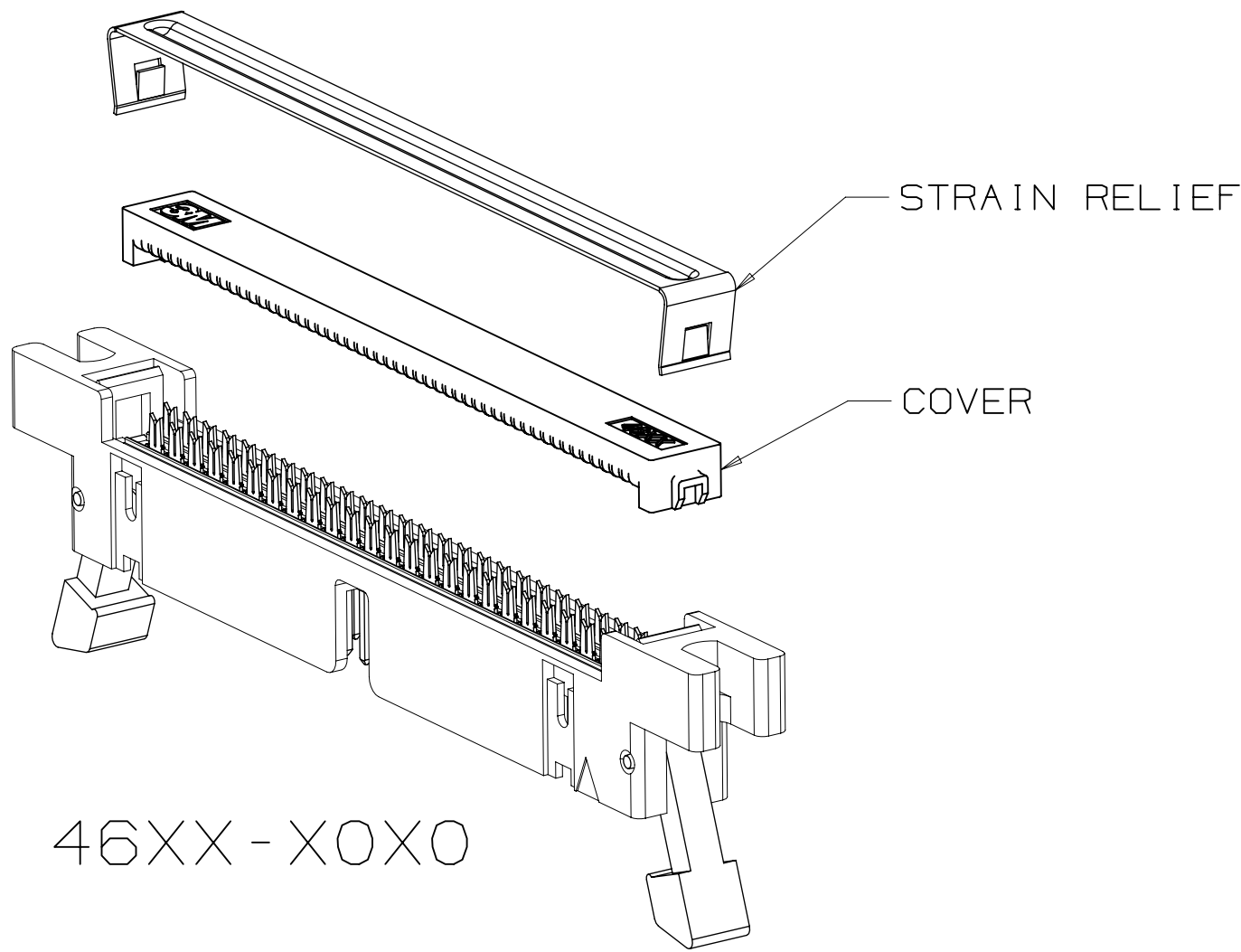
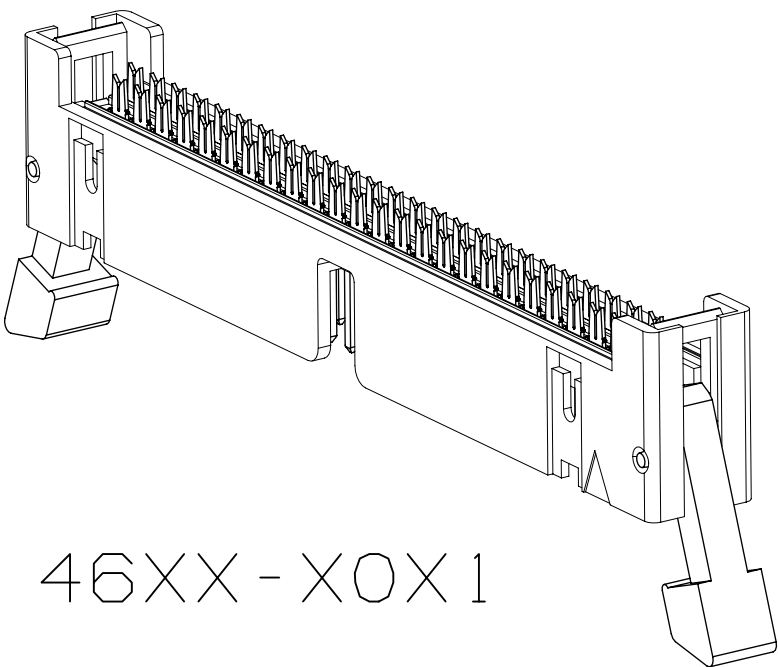


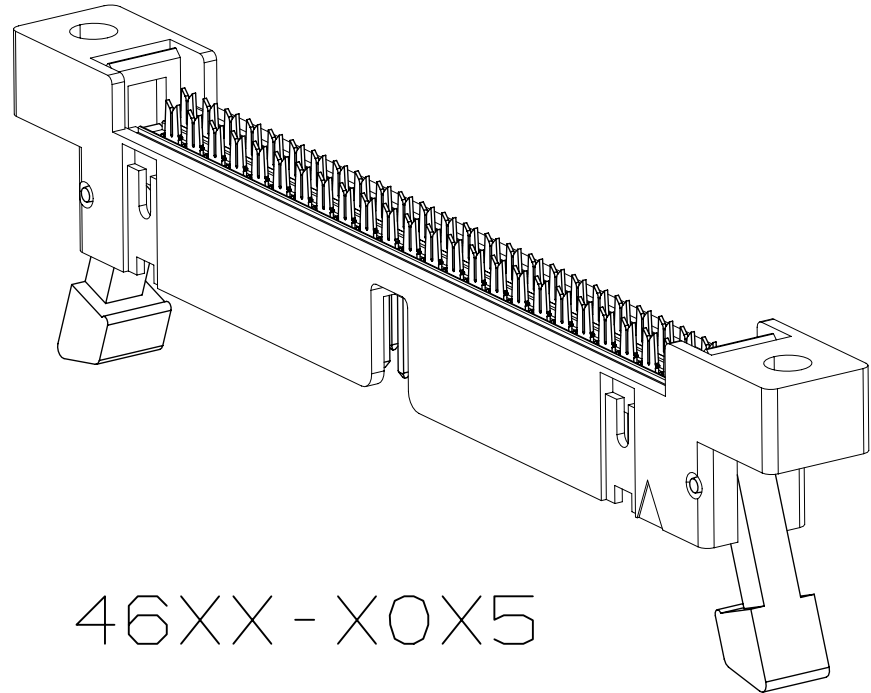
3M™ WIREMOUNT PLUG, 4600 SERIES
.100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE



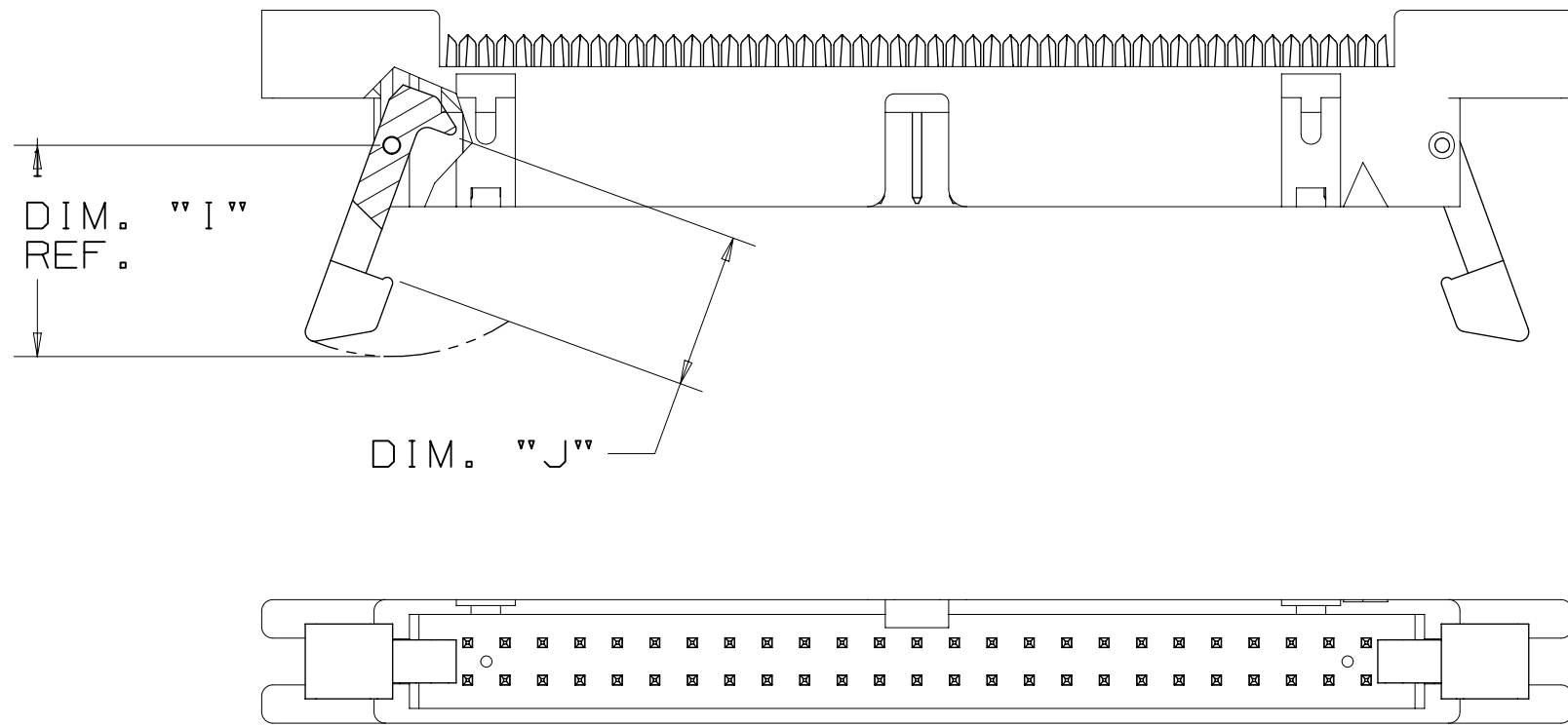
46XX-X0X0



46XX-X0X1



46XX-X0X5



ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
(SEE TABLE 1)

COVER STYLE:
6=OPEN END
(DAISY CHAINING/BUSSING
STANDARD)
7=CLOSED END
(END CABLE TERMINATION)

EJECTOR/LATCH SYSTEM:
0=NONE (STANDARD)
2=SHORT EJECTOR LATCH (3505-16)
3=LONG EJECTOR LATCH (3505-17)

BODY STYLE:
0=W/MOUNTING FLANGE (STANDARD)
1=W/OUT MOUNTING FLANGE
5=MOUNTING FLANGE W/THREADED INSERT
FROM SOCKET MATING SIDE

POLARIZATION:
0=FOR CONTACT QTY 14 TO 64
0=FOR NOTCH C ON 10 POSITION
5=FOR NOTCH B ON 10 POSITION

ASSEMBLY TOOLS:
3M™ PRESS 3640 (OR EQUIVALENT),
3M™ LOCATOR PLATE 3443-96,
3M™ PLATTEN 3442-9

PERFORMANCE:	
CURRENT RATING:	1.50 A, ALL CONTACTS POWERED 2.25 A, 6 CONTACTS POWERED 5.50 A, 1 CONTACT POWERED (RATING CONDITIONS: EIA-364-070, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE)
UL & CUL VOLTAGE RATING:	125V _{ac}
INSULATION RESISTANCE:	> 1 × 10 ⁹ Ohms AT 500 VDC
WITHSTANDING VOLTAGE:	1000 VACrms AT SEA LEVEL
OPERATING TEMPERATURE:	-55° C TO +105° C

AGENCY LISTINGS:
UNDERWIRTERS LABORATORIES (UL): FILE No. E68080
UL RATINGS: TEMPERATURE: 130°C VOLTAGE: 125V CURRENT: 1.0A
CUL RATINGS: TEMPERATURE: 130°C VOLTAGE: 125V CURRENT: 1.0A

PHYSICAL:

INSULATOR:
MATERIAL: GLASS FILLED POLYESTER (PBT)
FLAMMABILITY: UL94V-0
COLOR: GRAY
CONTACT:
MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 100μ" [2.54μm] NICKEL-OVERALL
"U" SLOT: GOLD FLASH
WIPING AREA: 30μ" [0.76μm] GOLD
WIRE ACCOMMODATION: 26 AND 28 AWG SOLID AND STRANDED
MARKINGS: 3M LOGO AND LOT NUMBER

STRAIN RELIEF

(ORDER SEPARATELY)

3448-46XX

CONTACT QTY:
(SEE TABLE 1)

DIMENSIONS: INCH [MM]
[MM] FOR REF. ONLY

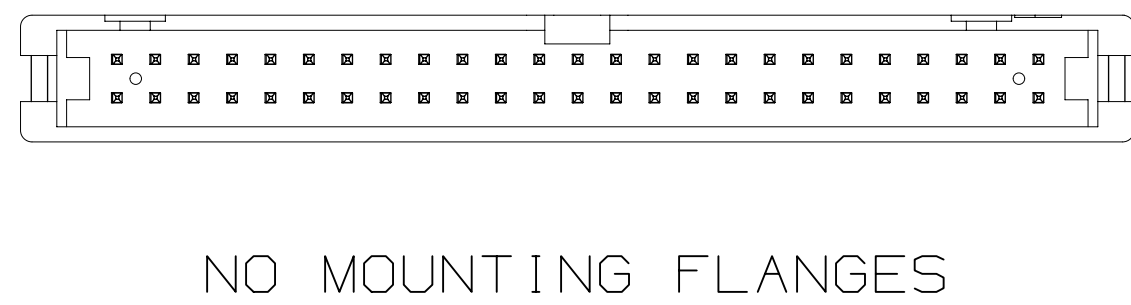
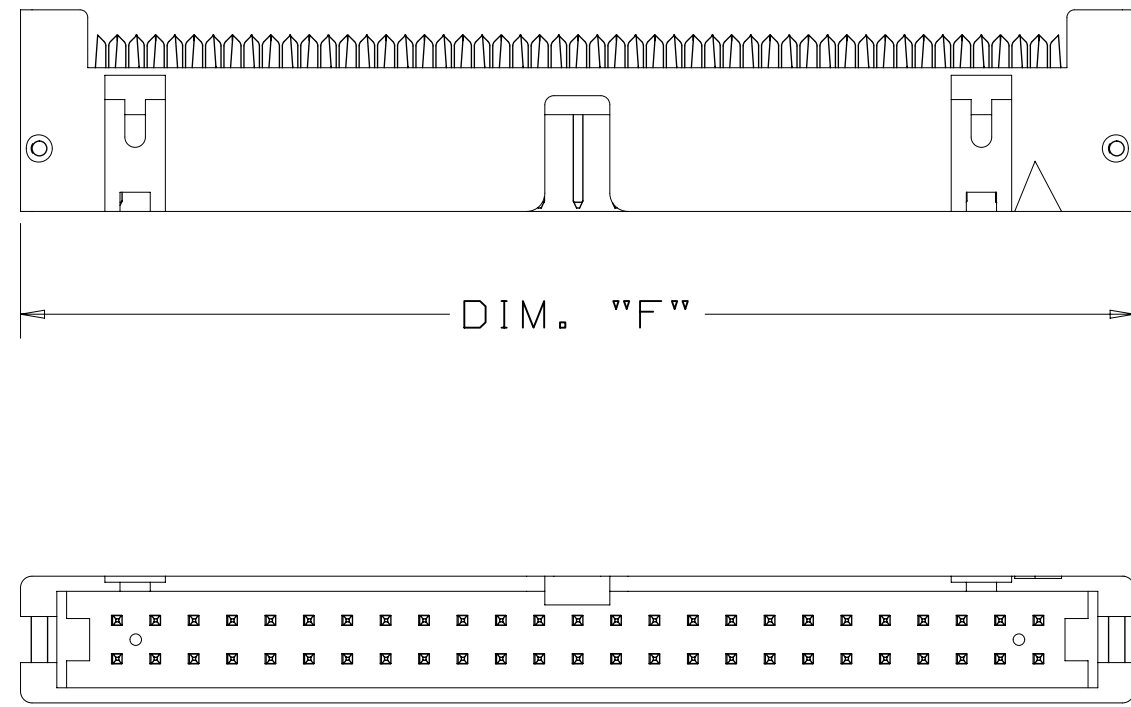
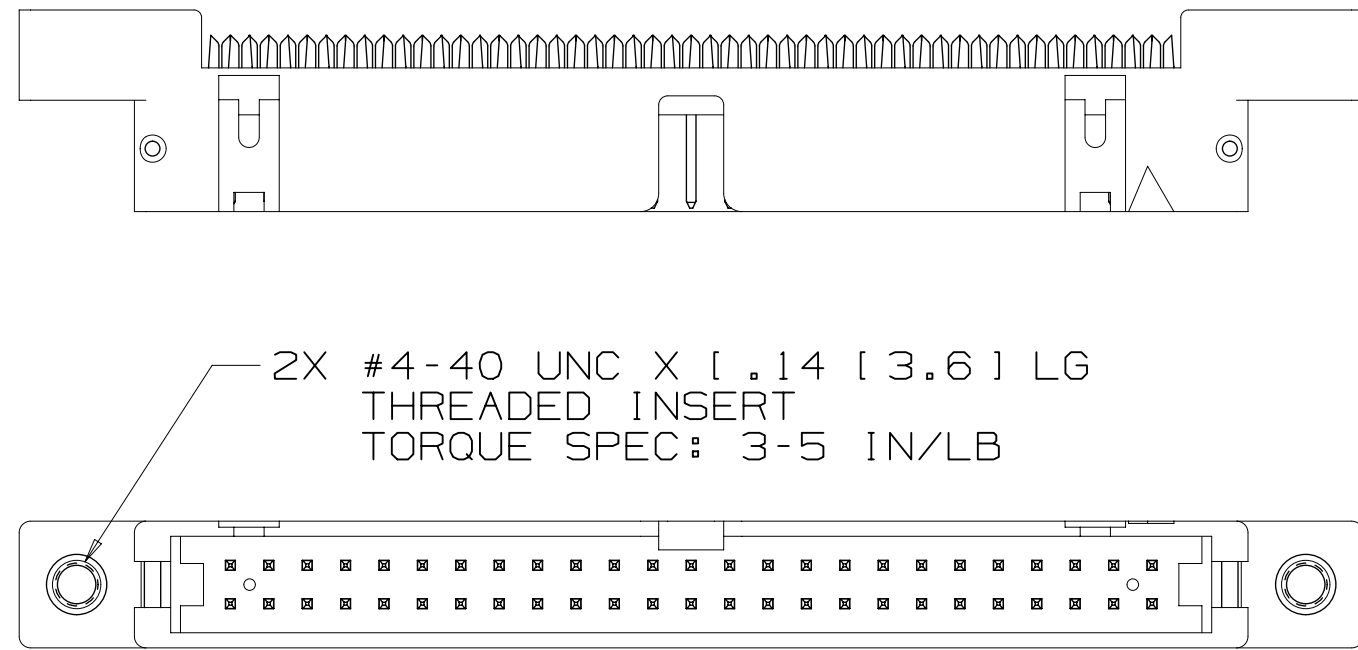
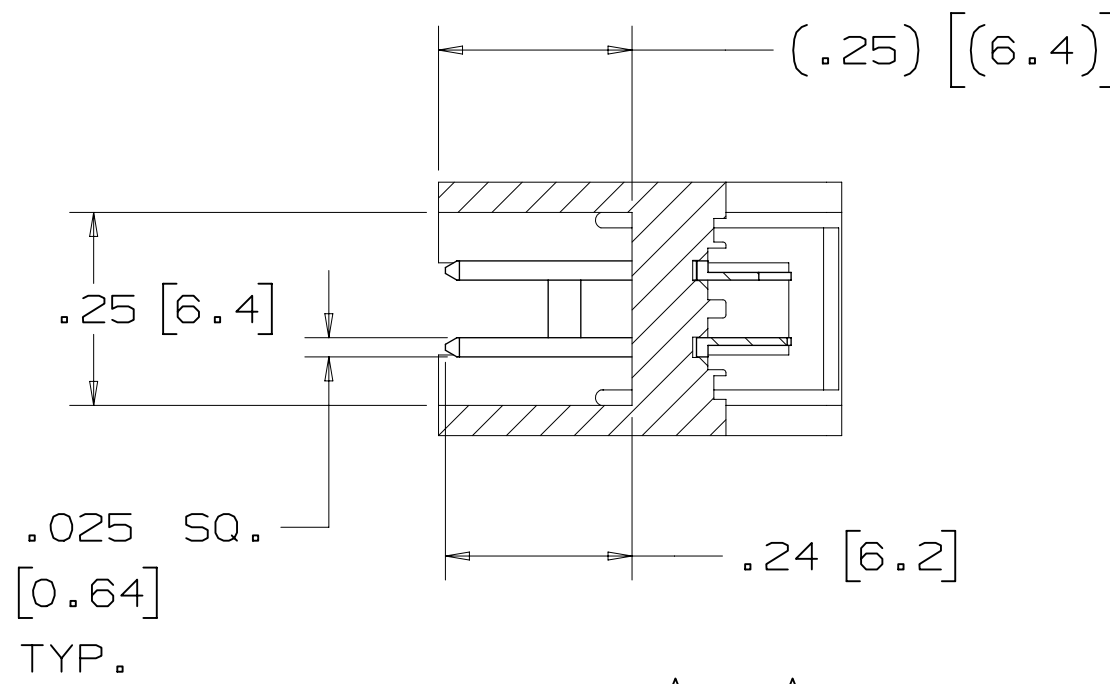
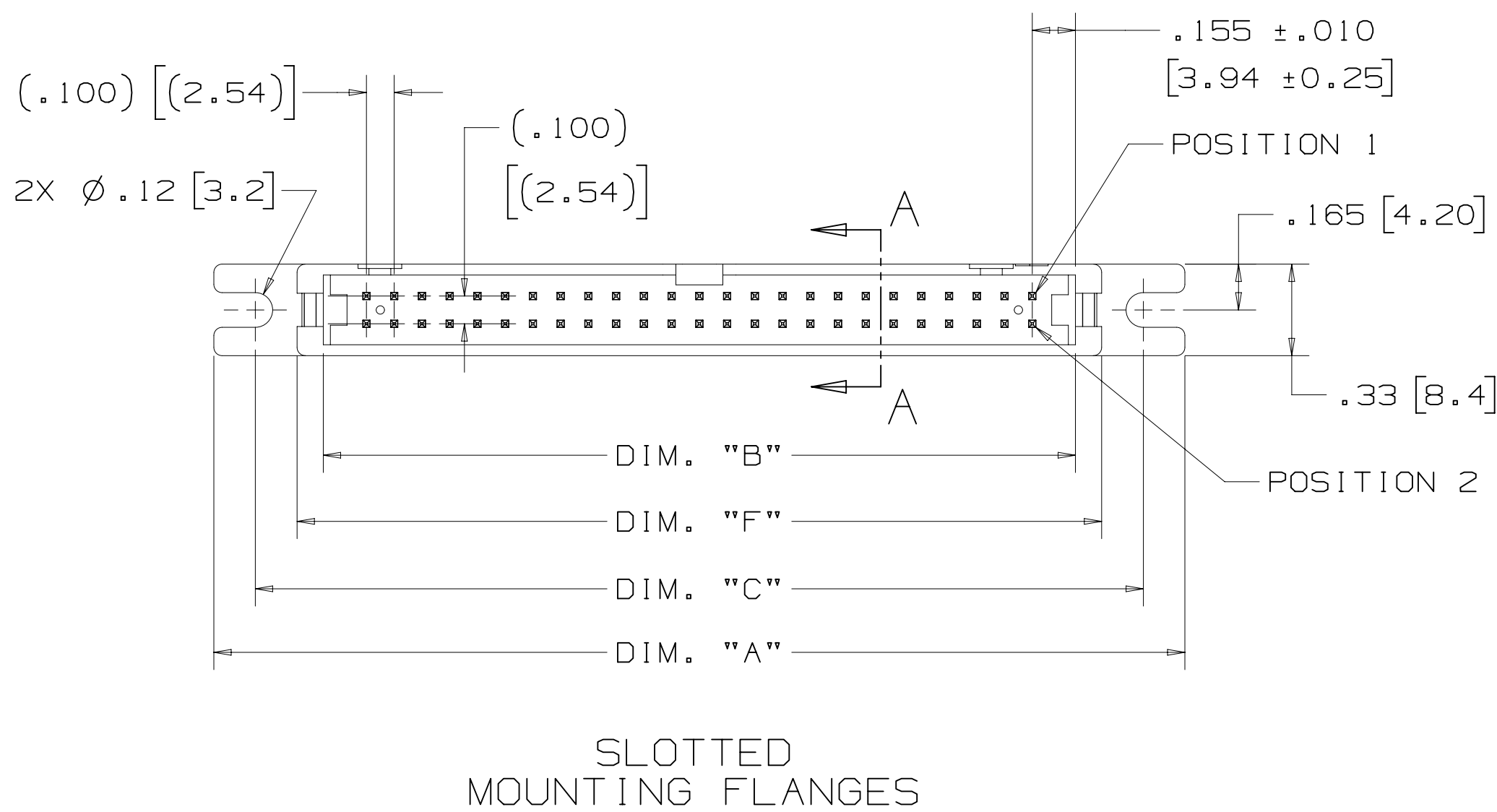
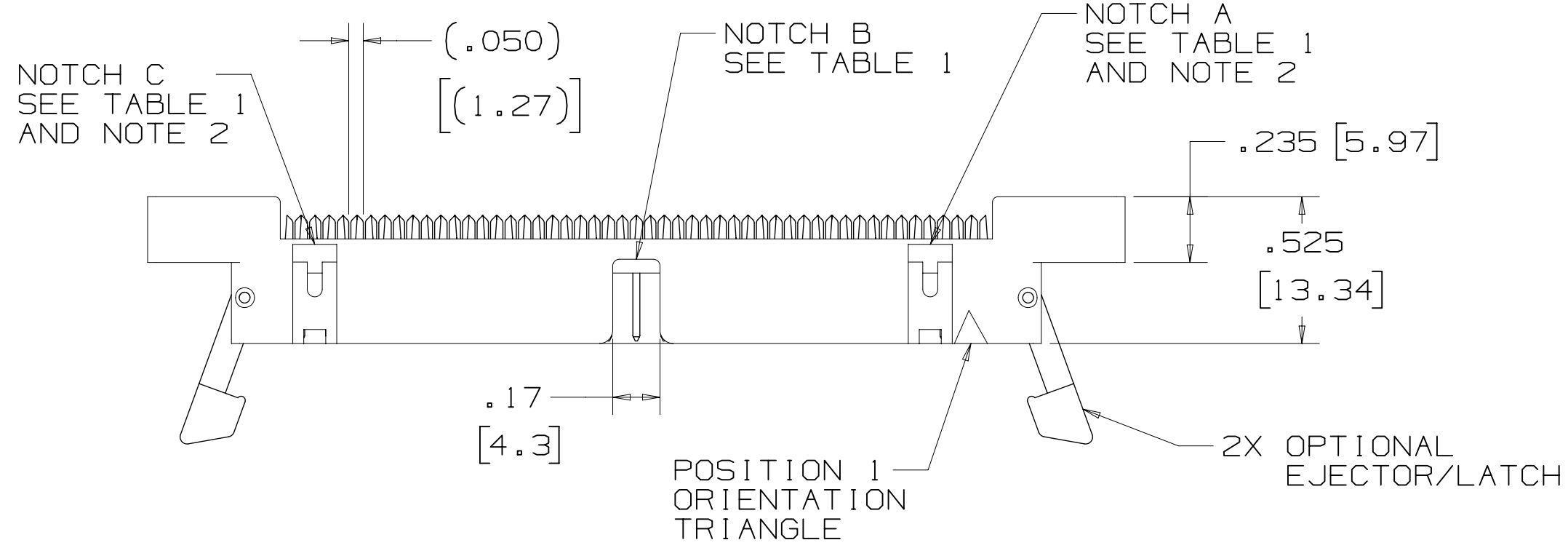
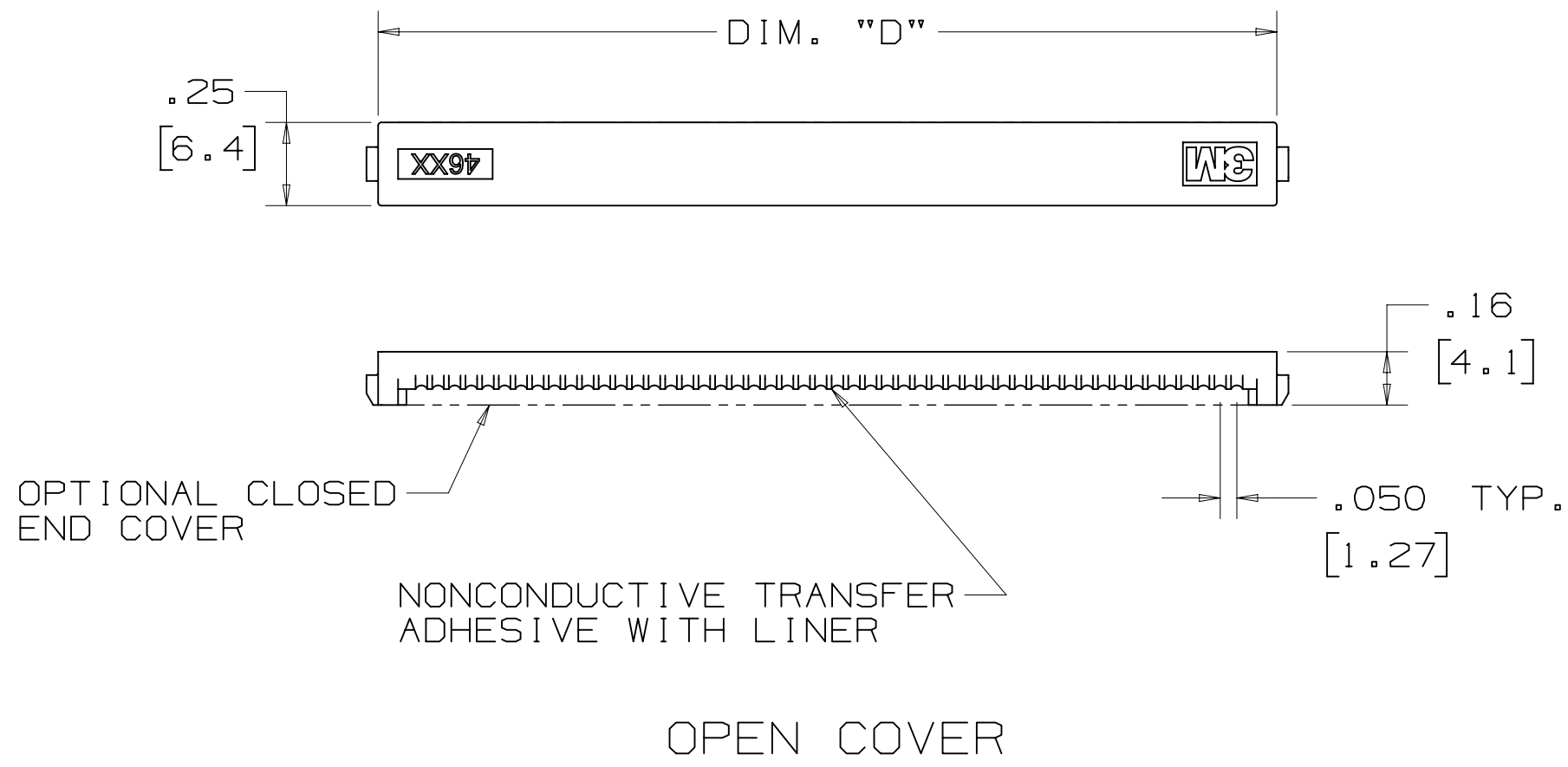
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES				DRP	CASTIGLIONE	DATE	MFG	DATE	
				CHKD		FEB 10,2021	S. NEU	FEB 10,2021	
DIVISION		DIVISION CODE							
DO NOT SCALE DRAWING		SCALE 2 1		TOLERANCES EXCEPT AS NOTED					
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002					
MAX SURFACE ROUGHNESS 12.5 SURFACES ✓ MARKED ONLY				MILLIMETERS 0 ±.1 .00 ±.01 .000 ±.005 ANGLES ±					
				TITLE WIREMOUNT PLUG CONN., LATCH/EJECT, .100 X .100					
				CAGE NUMBER D 78-5100-0086-8					
				MODEL 4600					
				REV. E					
				SHT 1 OF 4					

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UL FILE NO: E68080

3M™ WIREMOUNT PLUG, 4600 SERIES
.100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE



- NOTES
- 1 POLARIZATION OF 10 POSITION PRODUCT CAN BE EITHER:
- CENTER NOTCH B: 4610-XX5X
- NOTCH C: 4610-XX0X.
 - 2 NOTCHES A AND C WILL ACCOMMODATE 3M POLARIZATION KEY PART NO. 3518.

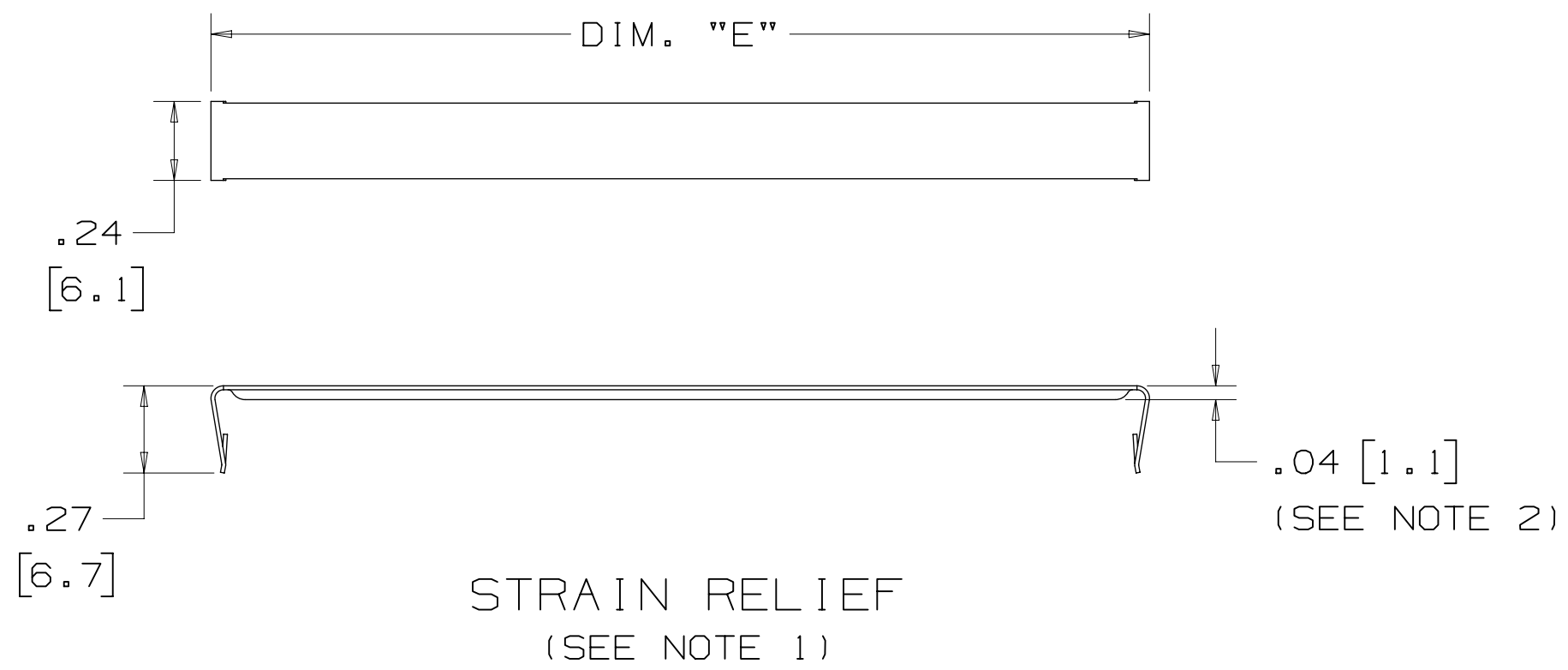
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XXXXX	XXXXX	CAST	GLONE	FEB 10, 2021	MFG	DATE
DIVISION	DIVISION CODE	CHGD	DATE	APPRV	DATE	REV
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED	EMSD	3M	3M Center St. Paul, MN 55144	© 3M COPYR[IGHT] 2021 This document and the information it contains 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.
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	INCHES .00 ±.01 .000 ±.0005 .0000 ±.0002	MILLIMETERS 0 ±.00 ±.000 ±.000	TITLE	WIREMOUNT PLUG CONN., LATCH/EJECT, .100 X .100	CAGE NUMBER D78-5100-0086-8
MAX SURFACE ROUGHNESS	MARKED ONLY	ANGLES	MODEL 4600	REV.	E	DET. YES NO SHT 2 OF 4

3M™ WIREMOUNT PLUG, 4600 SERIES
.100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE

	DIMENSIONS						POLARIZING NOTCHES PROVIDED
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"	
10	1.50 [38.1]	.71 [18.0]	1.20 [30.5]	.77 [19.6]	.85 [21.6]	.90 [22.9]	B OR C (SEE NOTE 3)
14	1.70 [43.2]	.91 [23.1]	1.40 [35.6]	.97 [24.6]	1.05 [26.7]	1.10 [27.9]	B, C
16	1.80 [45.7]	1.01 [25.7]	1.50 [38.1]	1.07 [27.2]	1.15 [29.2]	1.20 [30.5]	A, B, C
20	2.00 [50.8]	1.21 [30.7]	1.70 [43.2]	1.27 [32.3]	1.35 [34.3]	1.40 [35.6]	A, B, C
24	2.20 [55.9]	1.41 [35.8]	1.90 [48.3]	1.47 [37.3]	1.55 [41.9]	1.60 [40.6]	A, B, C
26	2.30 [58.4]	1.51 [38.4]	2.00 [50.8]	1.57 [39.9]	1.65 [46.9]	1.70 [43.2]	A, B, C
30	2.50 [63.5]	1.71 [43.4]	2.20 [55.9]	1.77 [45.0]	1.85 [47.1]	1.90 [48.3]	A, B, C
34	2.70 [68.6]	1.91 [48.5]	2.40 [61.0]	1.97 [50.0]	2.05 [52.1]	2.10 [53.3]	A, B, C
36	2.80 [71.1]	2.01 [51.1]	2.50 [63.5]	2.07 [52.6]	2.15 [54.6]	2.20 [55.9]	A, B, C
40	3.00 [76.2]	2.21 [56.1]	2.70 [68.6]	2.27 [57.7]	2.35 [59.7]	2.40 [61.0]	A, B, C
50	3.50 [88.9]	2.71 [68.8]	3.20 [81.3]	2.77 [70.4]	2.85 [72.4]	2.90 [73.7]	A, B, C
60	4.00 [101.6]	3.21 [81.5]	3.70 [94.0]	3.27 [83.1]	3.35 [85.1]	3.40 [86.4]	A, B, C
64	4.20 [106.7]	3.41 [86.6]	3.90 [99.1]	3.47 [88.1]	3.55 [90.2]	3.60 [91.4]	A, B, C



- | | |
|---|---|
| 1 | MATERIAL:
.012 {0.30} THK STAINLESS STEEL. |
| 2 | THE DISTANCE FROM THE STRAIN
RELIEF TO THE CONNECTOR IS
EQUAL TO .04 {1.0} PLUS THE
CABLE THICKNESS. |
| 3 | POLARIZATION OF 10 POSITION
PRODUCT CAN BE EITHER:
- CENTER NOTCH B: 4610-XX5X
- NOTCH C: 4610-XX0X |

EJECTOR/LATCH

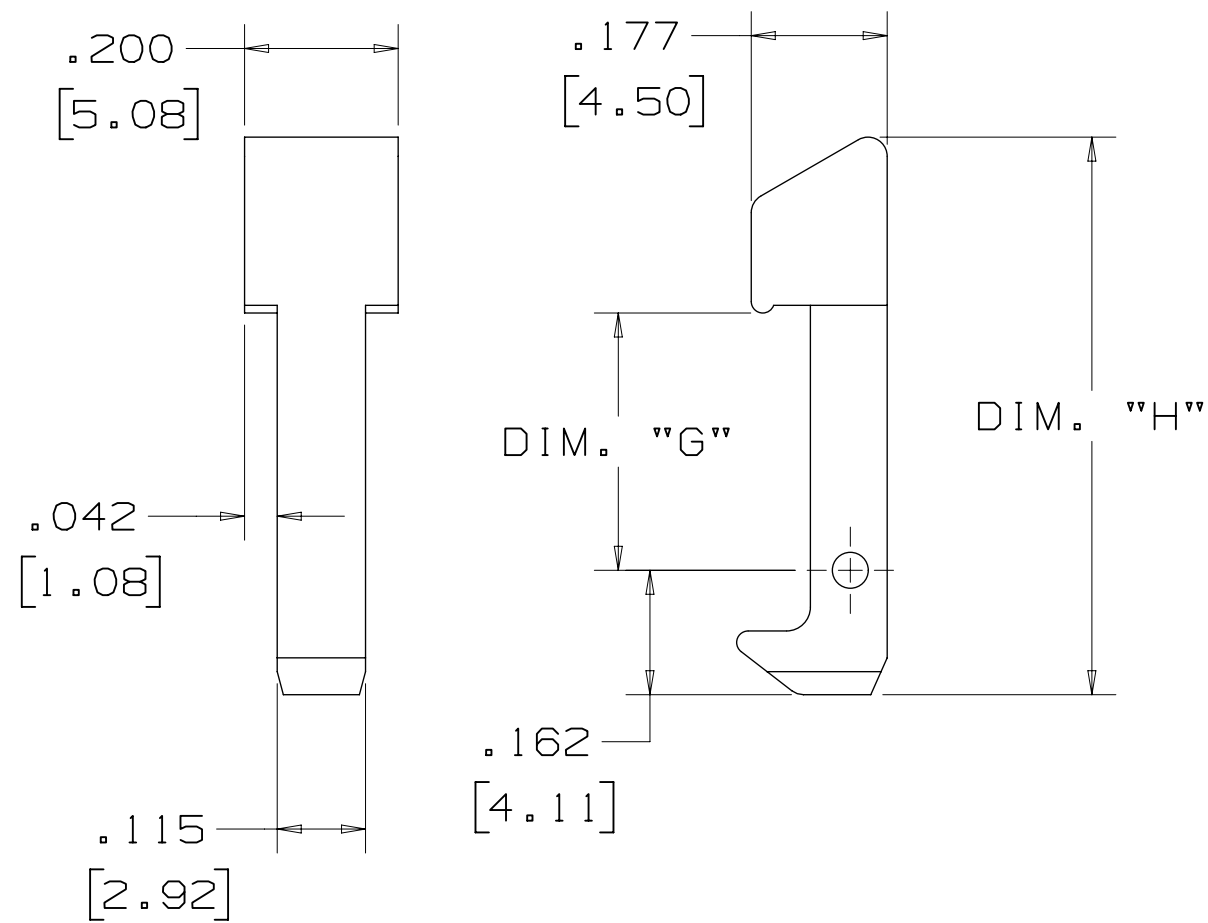
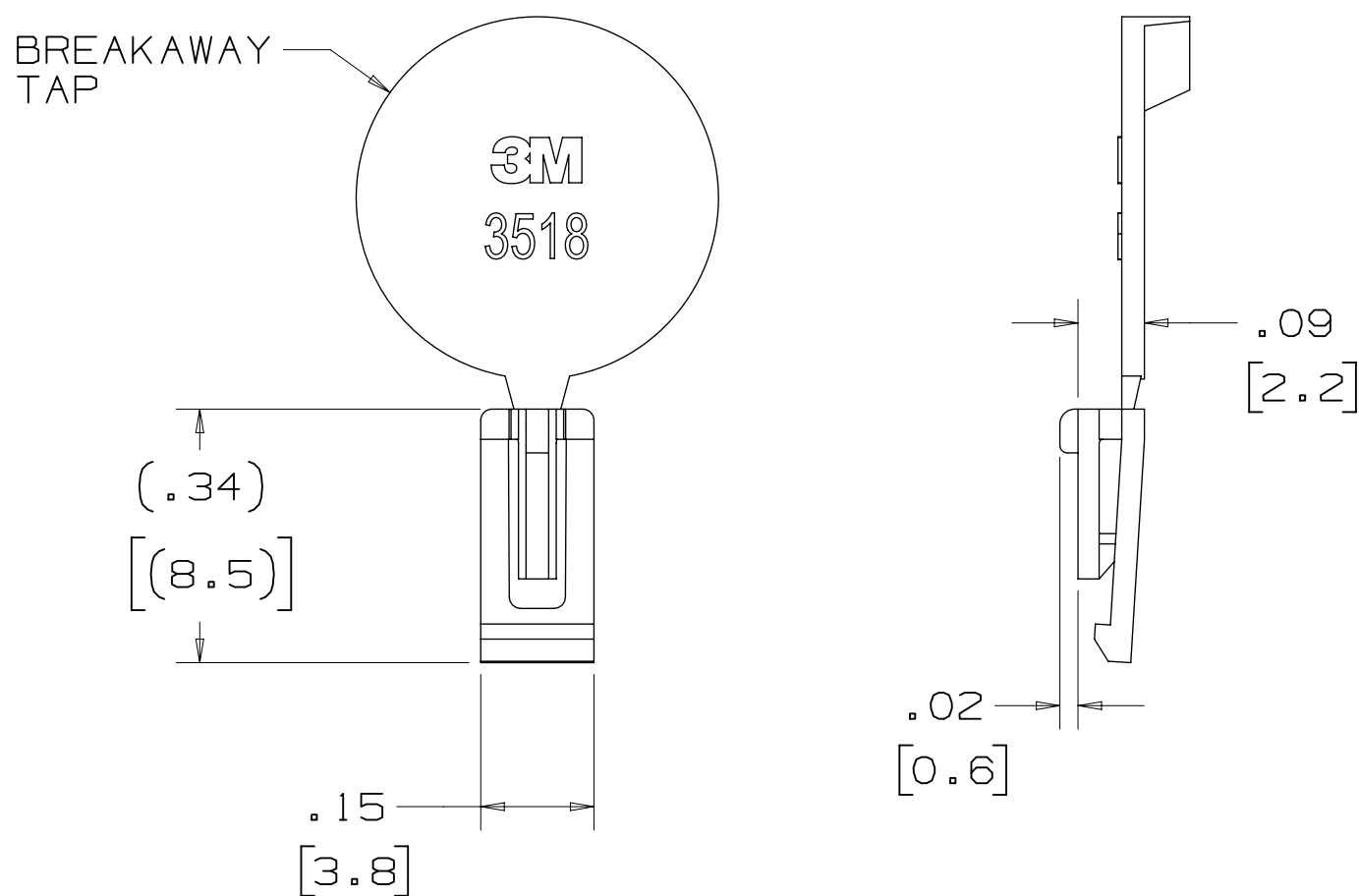


TABLE 2							
DIMENSIONS							
EJECTOR/ LATCH OPTION	PART NUMBER	DIM. "G"	DIM. "H"	DIM. "I"	DIM. "J"	MATERIAL	COLOR
SHORT	3505-16	.335 [8.51]	.726 [18.44]	.92 [23.4]	.41 [10.4]	PBT	GRAY
LONG	3505-17	.484 [12.29]	.875 [22.23]	1.07 [27.2]	.56 [14.2]		

POLARIZING KEY
3M PART NO: 3518
(ORDER SEPARATELY)



3M PART NO.	MATERIAL	COLOR
N3518	LCP	BLACK

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D		94220		FEB 11, 2021		JNC		SAN	
				REVISED AND REDRAWN					
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				DATE		FEB 10, 2021		MFG	
				CHKD		DATE		APPROV	
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								FEB 10, 2021	
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		1				3M			
THIRD ANGLE PROJECTION		INCHES		TITLE					
INTERPRET PER ASME Y14.5 - 2018		.00 ± .01 .00 ± .01 .000 ± .005 .0000 ± .0002		WIREMOUNT PLUG CONN. , LATCH/EJECT , .100 X .100					
MAX. SURFACE ROUGHNESS		MILLIMETERS		CAGE NUMBER		SIZE		DRAWING NO.	
✓ ☐ MARKED ONLY		.00 ± .00 ± .000 ± .000 ±		D		578-5100-0086-8		REV. E	
		ANGLES		MODEL		4600		DET. LISTS ☐ YES ☒ NO SHT 3 OF 4	

3M™ WIREMOUNT PLUG, 4600 SERIES
.100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE

TABLE 3			
PIN QTY.	PART NUMBER	DIM. "A"	DIM. "B"
10	4610	1.200 [30.48]	.945 [24.00]
14	4614	1.400 [35.56]	1.145 [29.08]
16	4616	1.500 [38.10]	1.245 [31.62]
20	4620	1.700 [43.18]	1.445 [36.70]
24	4624	1.900 [48.26]	1.645 [41.78]
26	4626	2.00 [50.80]	1.745 [44.32]
30	4630	2.200 [55.88]	1.945 [49.40]
34	4634	2.400 [60.96]	2.145 [54.48]
36	4636	2.500 [63.50]	2.245 [57.02]
40	4640	2.700 [68.58]	2.445 [62.10]
50	4650	3.200 [81.28]	2.945 [74.80]
60	4660	3.700 [93.98]	3.445 [87.50]
64	4664	3.900 [99.06]	3.645 [92.58]

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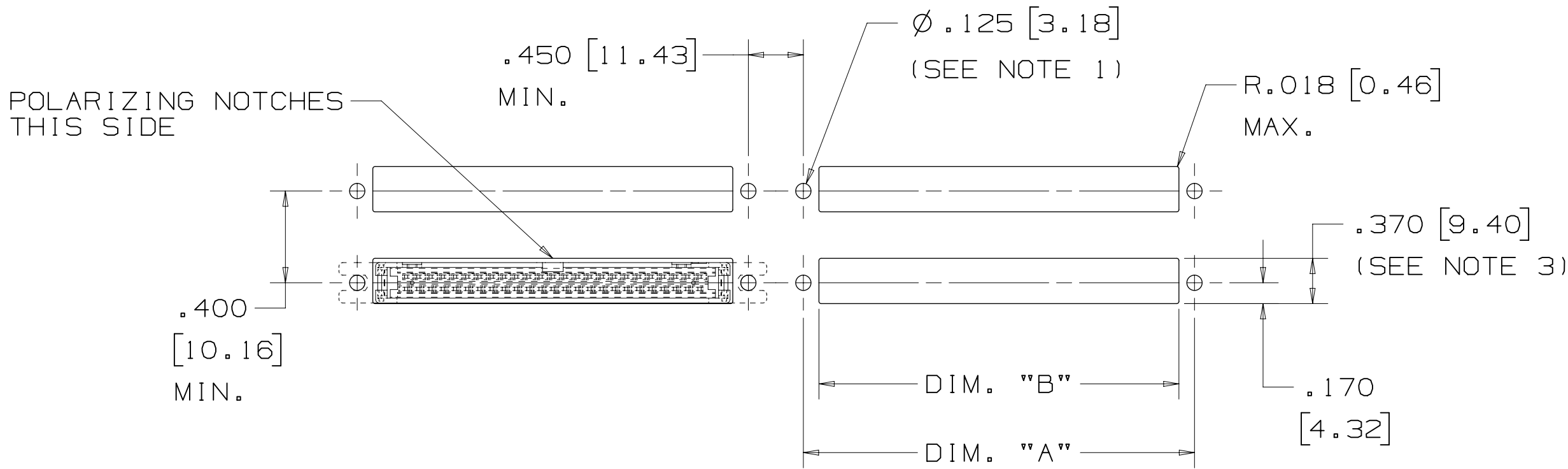
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Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
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- NOTES
- 1

ACCEPTS #4 PAN HEAD MACHINE SCREW.
- 2

FOR A REAR MOUNT PLUG CONNECTOR WITH EJECTOR/LATCHES, THE RECOMMENDED MAXIMUM PANEL THICKNESS IS .125 [3.18].
- 3

WITHOUT POLARIZING KEYS .340[8.64].



REAR MOUNT PANEL CUT-OUT

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CASTIGLIONE	FEB 10,2021	MFG	DATE	
CHKD	DATE	APPRV	DATE	
		S. NEU	FEB 10,2021	
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MAX SURFACE ROUGHNESS		INCHES		
MARKED ONLY		MILLIMETERS		
CAGE NUMBER		DRAWING NO.		
MODEL		REV.		
4600		E		
78-5100-0086-8		4 OF 4		