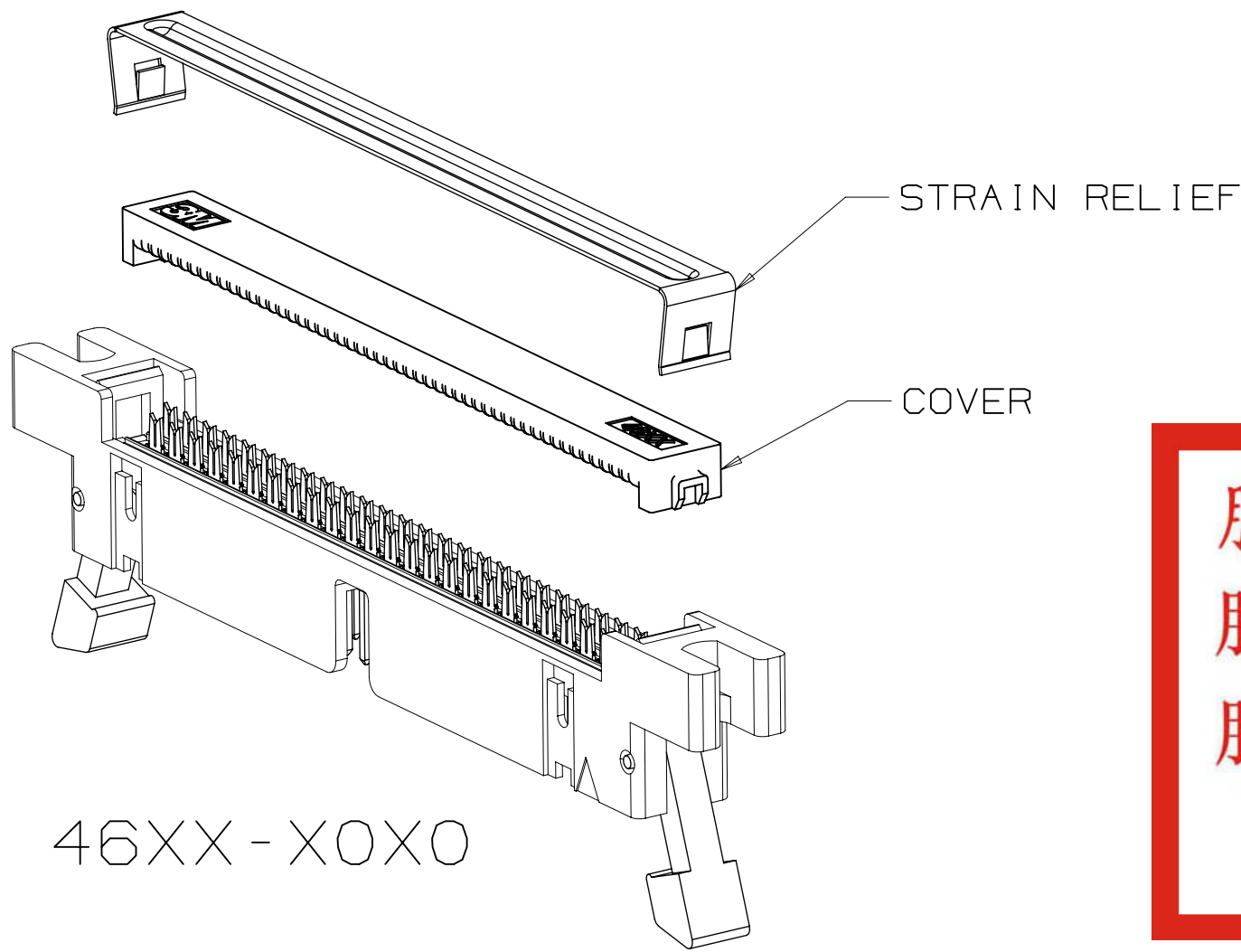
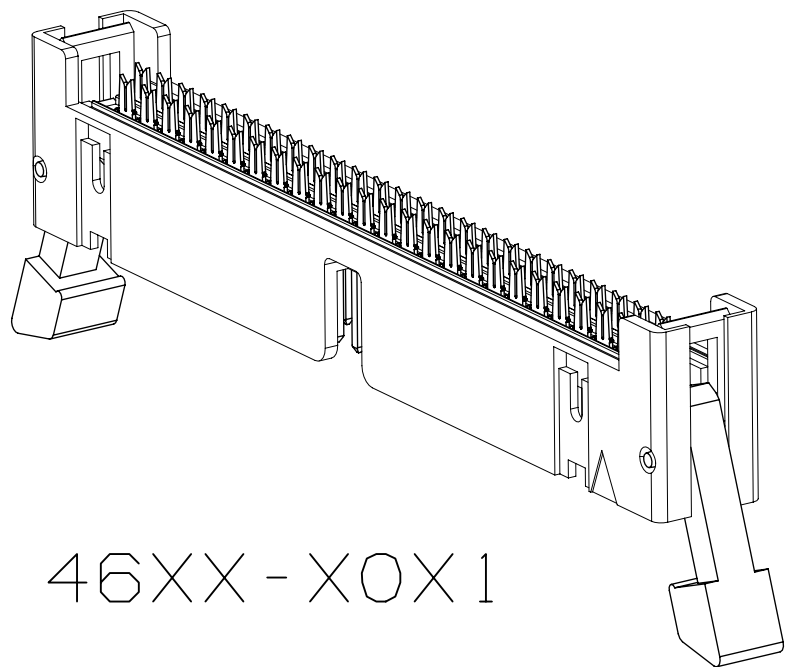


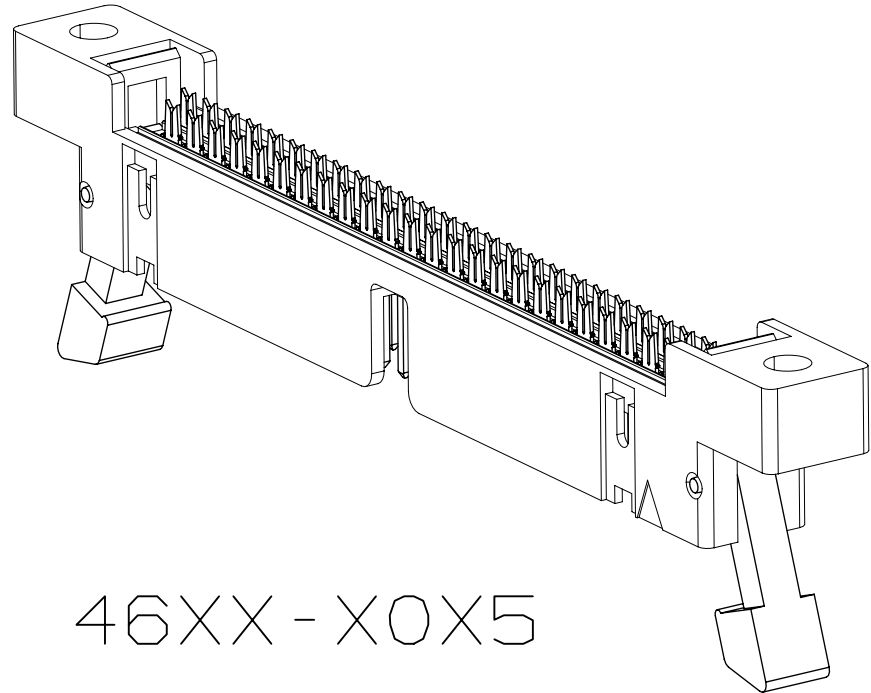
3M™ WIREMOUNT PLUG, 4600 SERIES
.100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE



46XX-XOX0

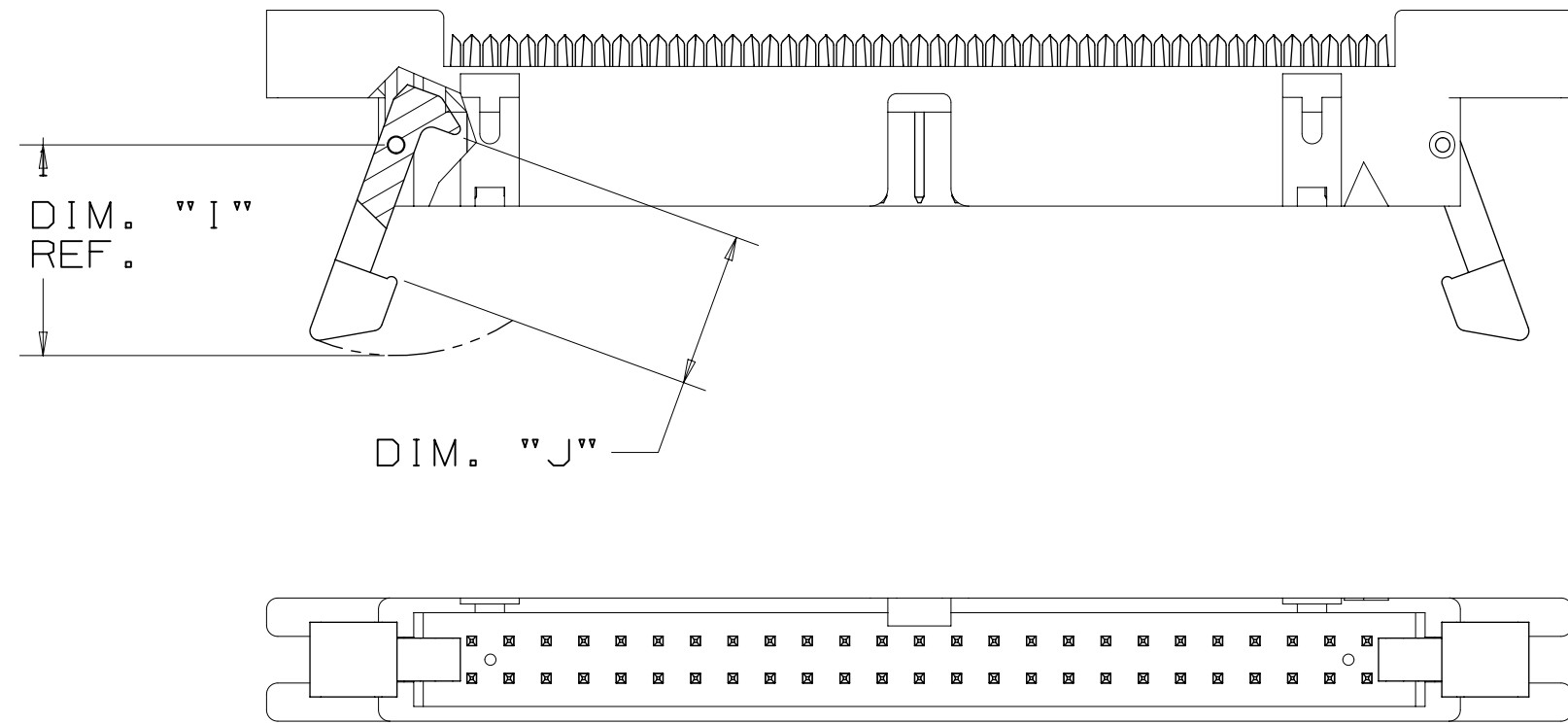


46XX-XOX1



46XX-XOX5

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ORDERING INFORMATION

46XX-XXXX

CONTACT QTY: (SEE TABLE 1)

COVER STYLE: 0=OPEN END (DAISY CHAINING/BUSSING STANDARD)
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

STRAIN RELIEF
(ORDER SEPARATELY)
3448-46XX

CONTACT QTY:
(SEE TABLE 1)

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UL
UL FILE NO: E68080

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:

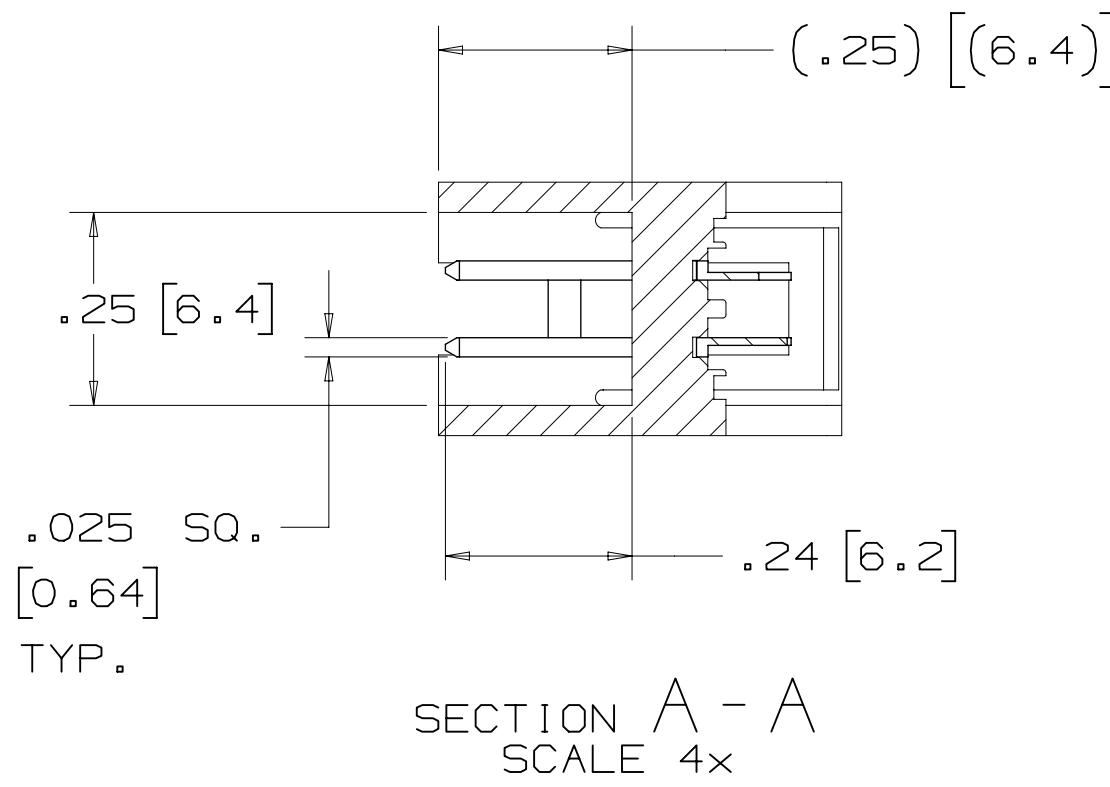
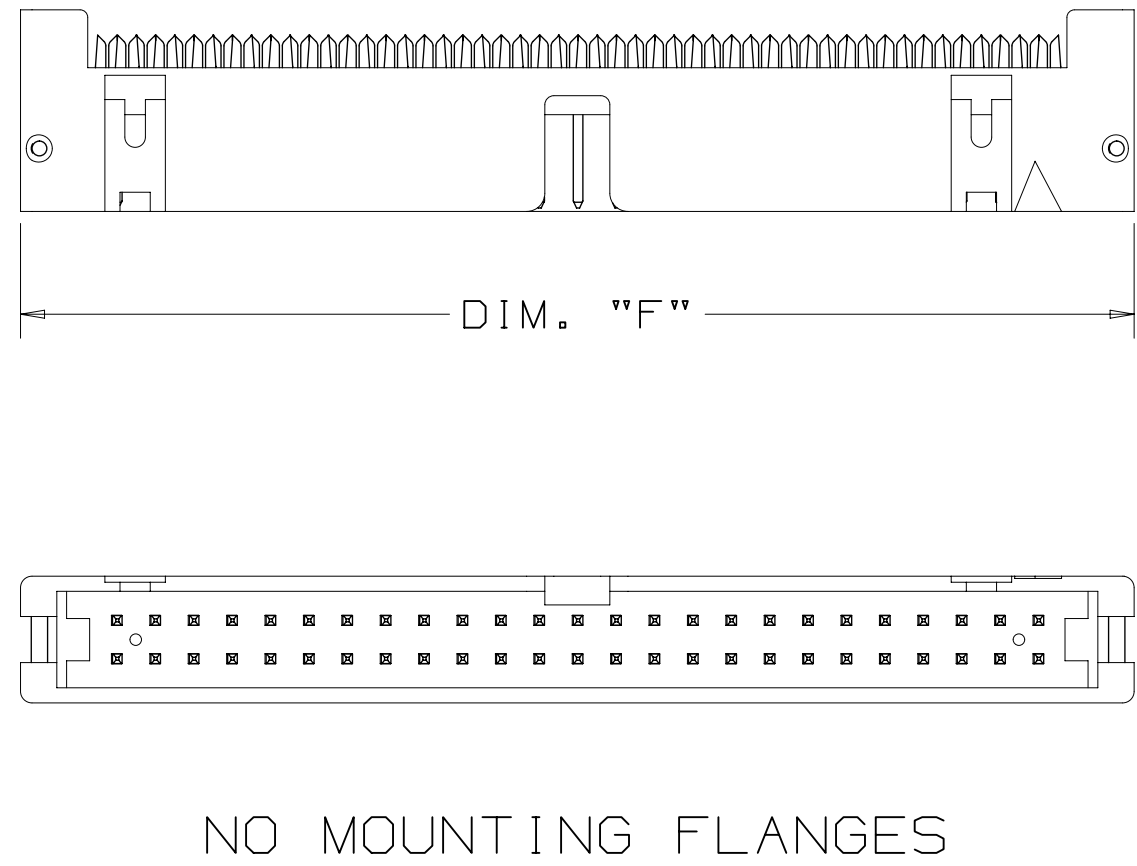
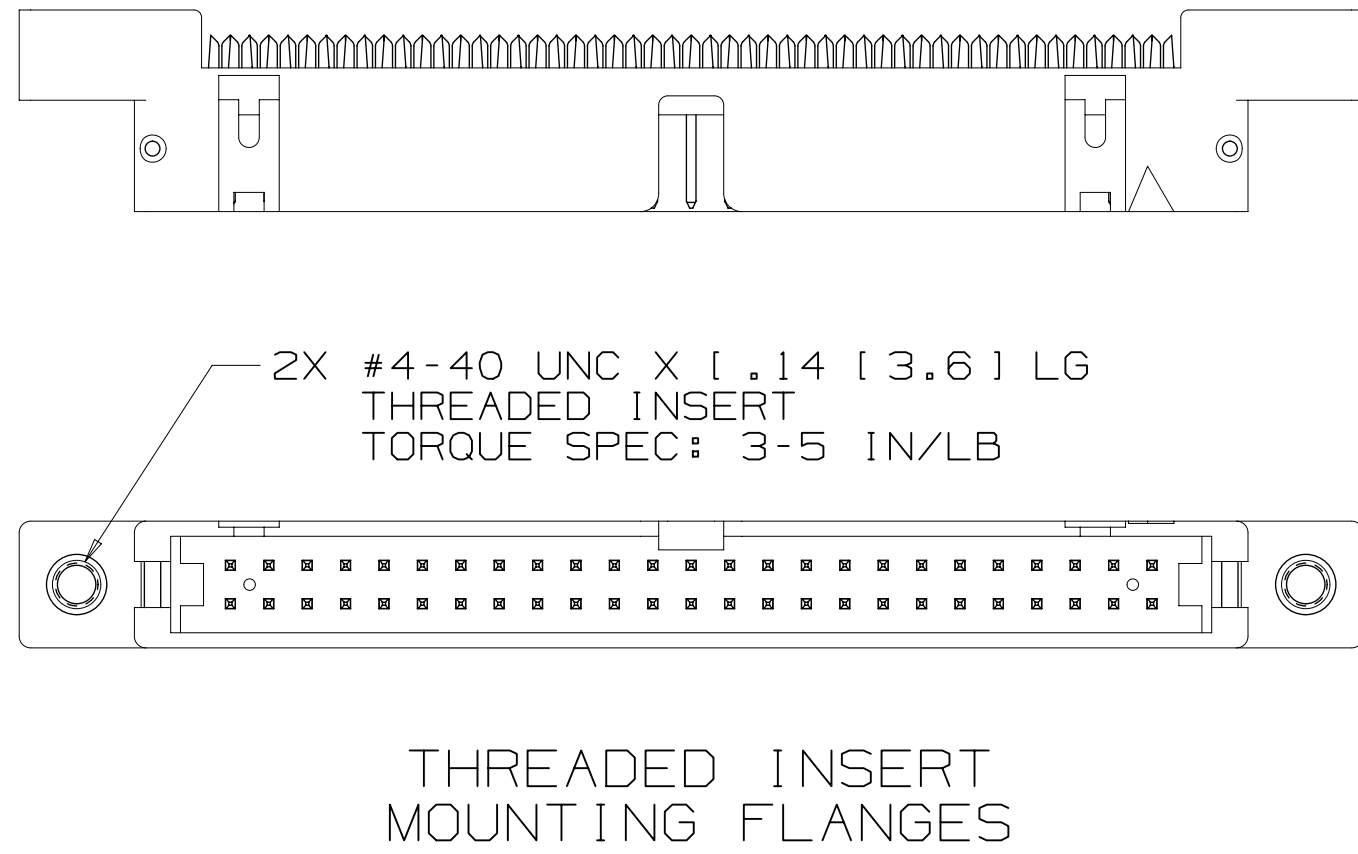
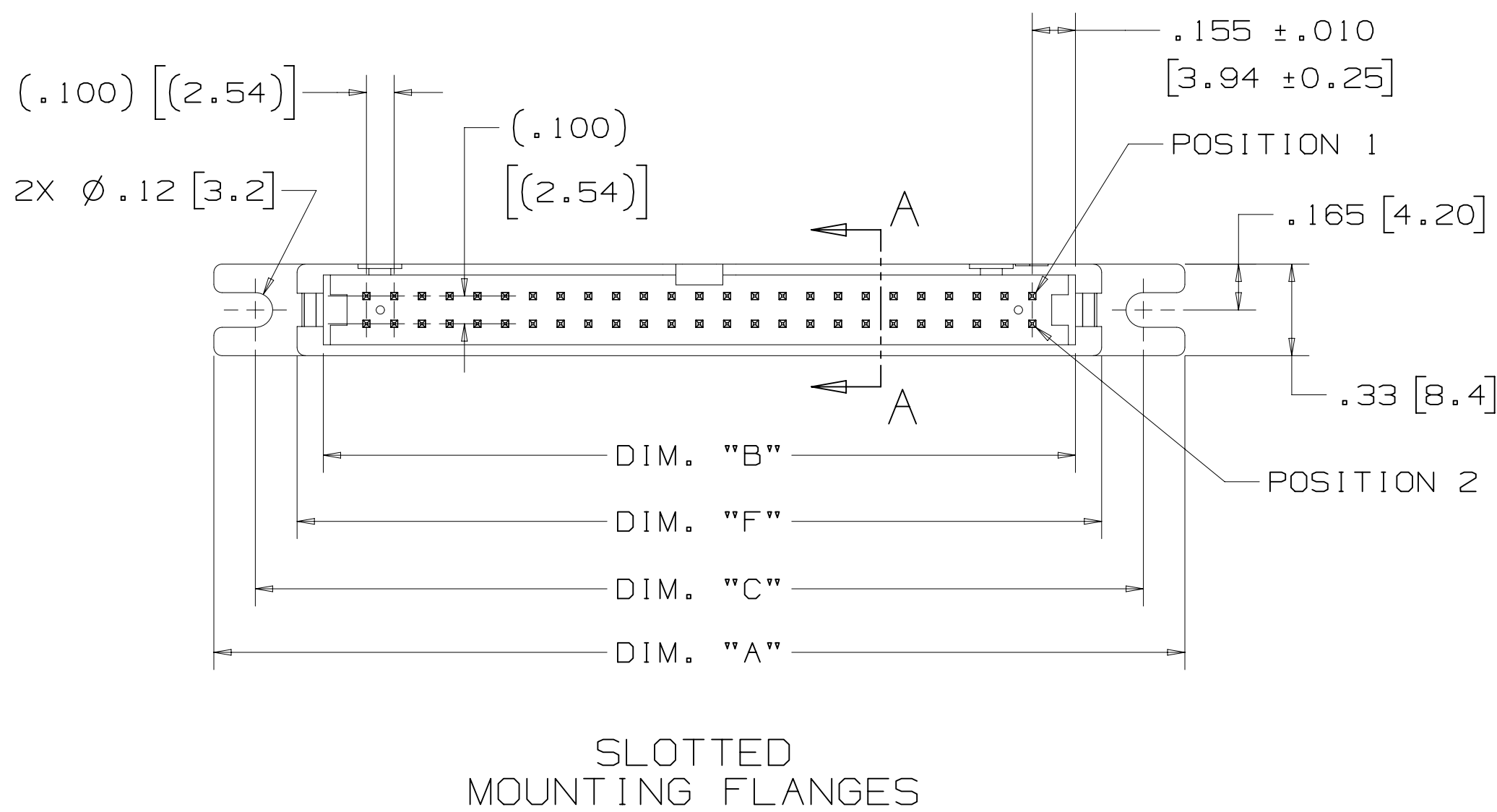
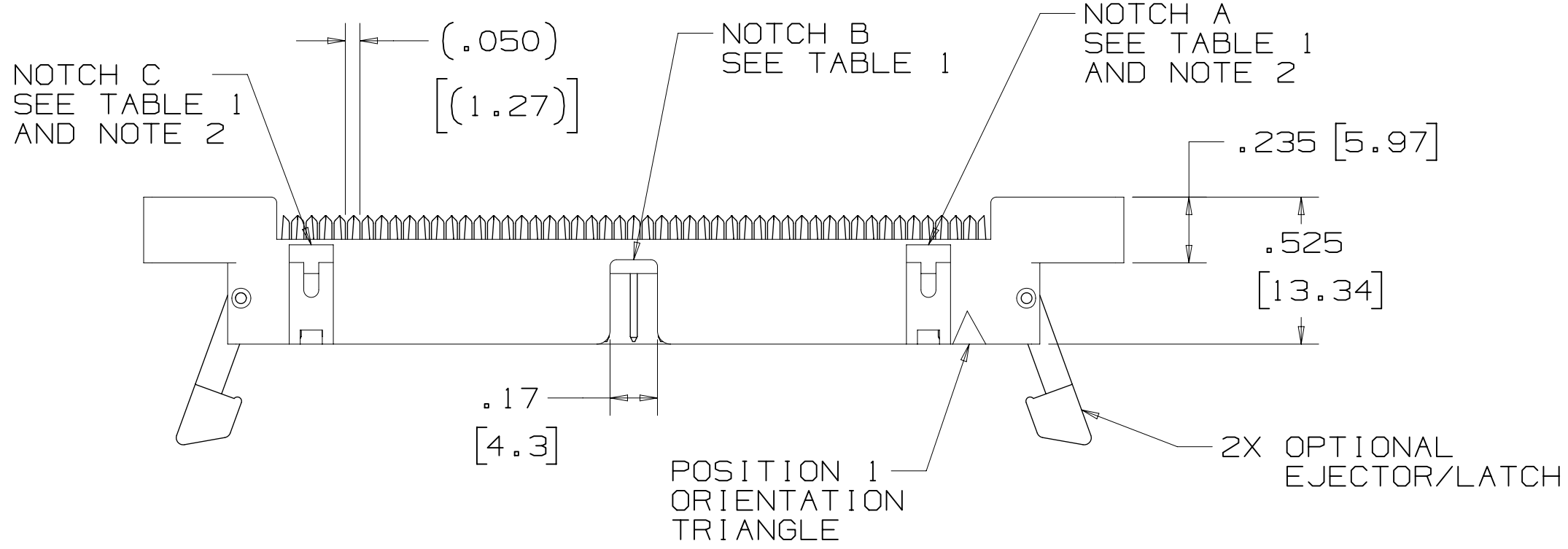
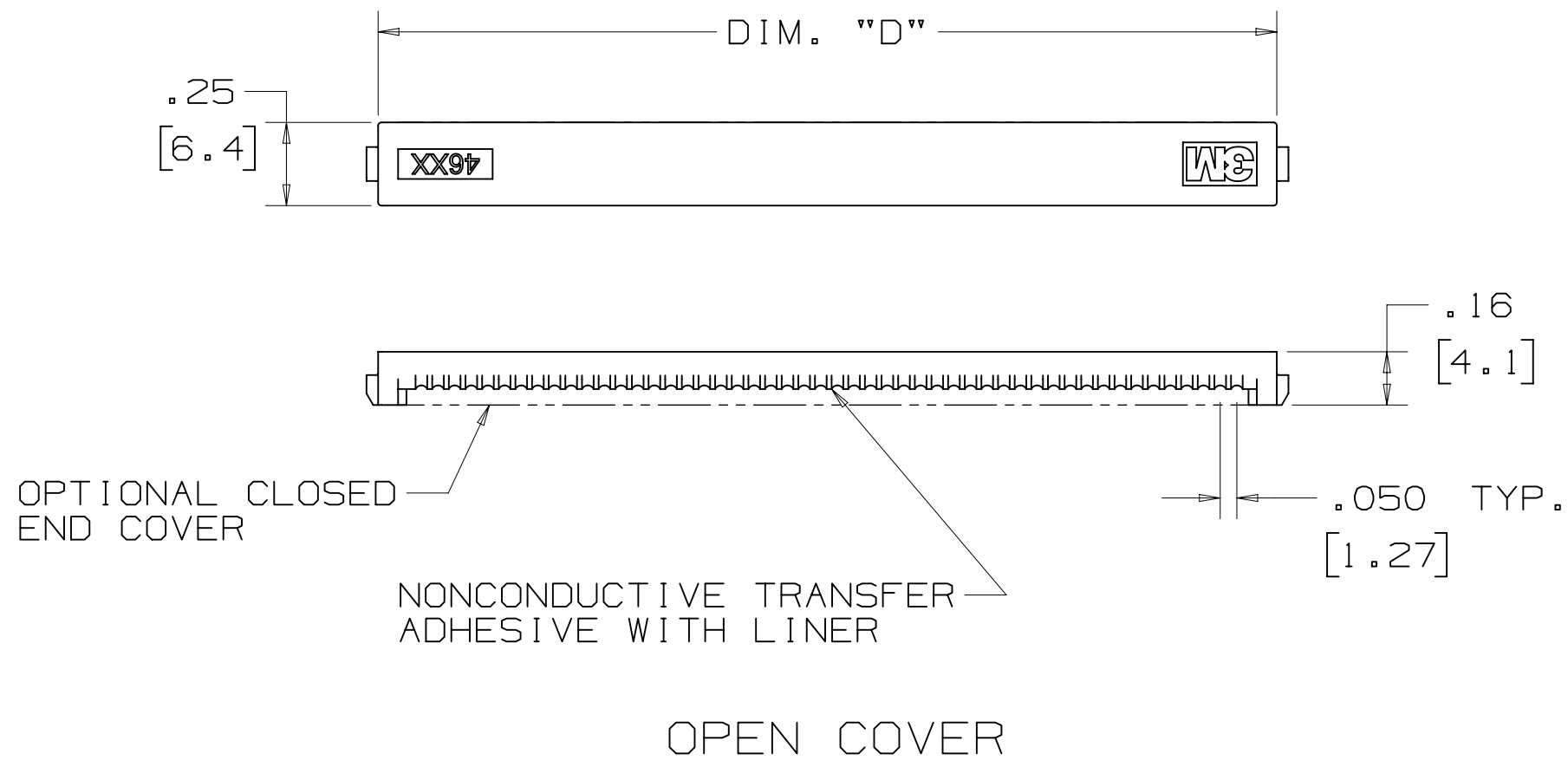
INSULATOR: MATERIAL: GLASS FILLED POLYESTER (PBT)
FLAMMABILITY: UL94V-0
COLOR: GRAY
CONTACT: MATERIAL: COPPER ALLOY
PLATING:
UNDER PLATING: 100μ" [2.54μm] NICKEL-OVERALL
"U" SLOT: GOLD FLASH
WIPING AREA: 30μ" [0.76μm] GOLD
WIRE ACCOMMODATION: 26 AND 28 AWG SOLID AND STRANDED
MARKINGS: 3M LOGO AND LOT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

- 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.

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

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIVISION CODE		CHKD	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		DET	
MODEL		4600		78-5100-0086-8		E		SHT 1 OF 4	

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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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
XXXXX	XXXXX	1	ECO	APR 08, 2021 ADD U-SLOT GOLD FLASH NOTE	JNC	SAN
DIVISION	DIVISION CODE	DRW	CHKD	DATE	DATE	DATE
DO NOT SCALE DRAWING	SCALE	EMSD	CASTIGLIONE	FEB 10, 2021	MFG	DATE
THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED	APPR	S. NEU	FEB 10, 2021	DATE	DATE
INTERPRET PER ASME Y14.5 - 2018	INCHES	0.0 ±.1	0.00 ±.01	0.000 ±.005	0.0000 ±.0002	0.0 ±.1
MAX SURFACE ROUGHNESS	MILLIMETERS	0.0 ±.1	0.00 ±.01	0.000 ±.005	0.0000 ±.0002	0.0 ±.1
MARKED ONLY	ANGLES	0.0 ±.1	0.00 ±.01	0.000 ±.005	0.0000 ±.0002	0.0 ±.1
CAGE NUMBER	SIZE	DRAWING NO.	REV.	DATE	DATE	DATE
D	78-5100-0086-8	E	DATE	DATE	DATE	DATE
MODEL	4600	LISTS	YES	NO	SHT	2 OF 4

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

TABLE 1							
DIMENSIONS							
PIN QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"	POLARIZING NOTCHES PROVIDED
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

EJECTOR/LATCH

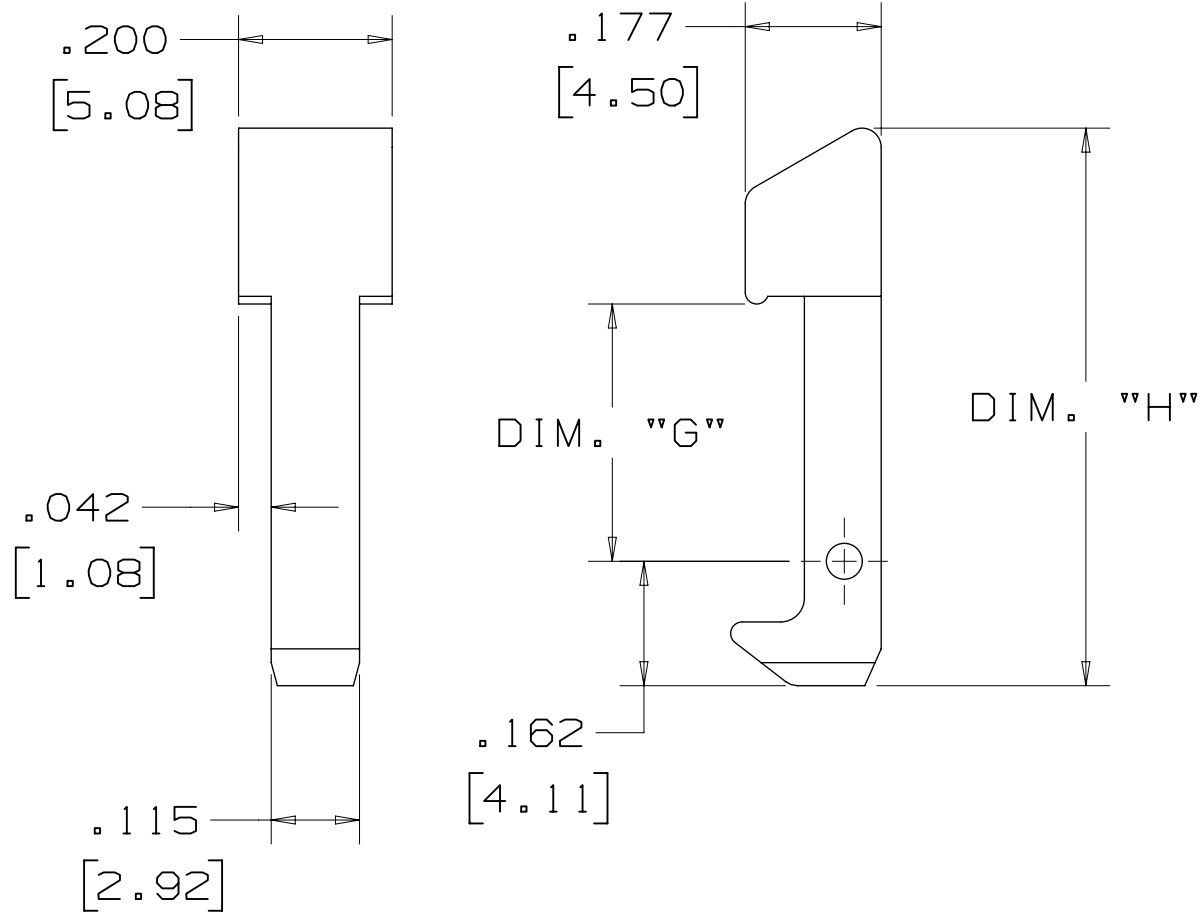


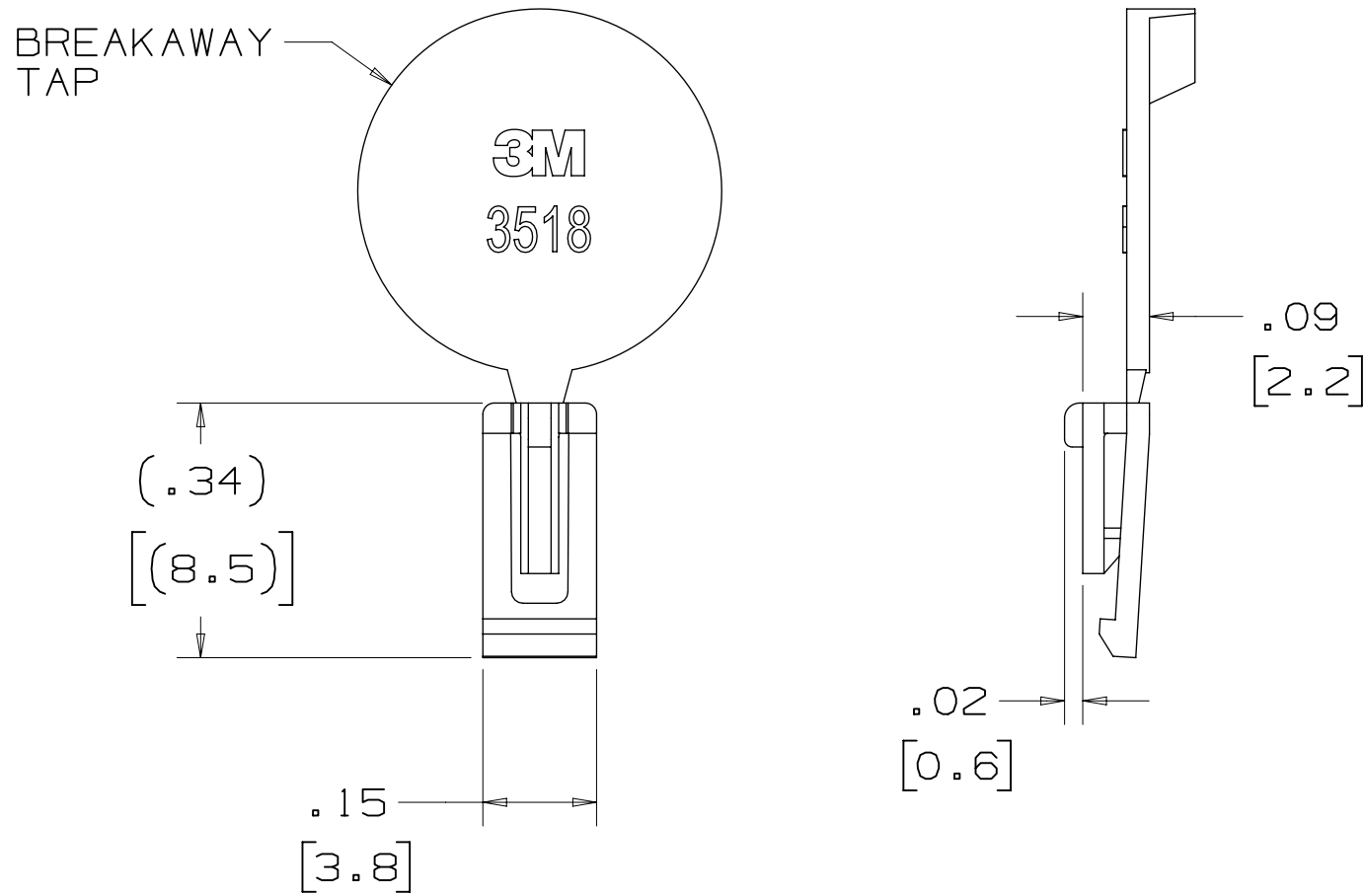
TABLE 2							
DIMENSIONS							
EJECTOR/LATCH OPTION	PART NUMBER	DIM. "G"	DIM. "H"	DIM. "I"	DIM. "J"	MATERIAL	COLOR
SHORT	3505-16	.335 [8.51]	.726 [18.44]	.92 [23.4]	.41 [10.4]	PBT	GRAY
LONG	3505-17	.484 [12.29]	.875 [22.23]	1.07 [27.2]	.56 [14.2]		

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



3M PART NO.	MATERIAL	COLOR
N3518	LCP	BLACK

- NOTES
- 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.

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XREF CODES		DIVISION CODE		CHKD	DATE	DATE	DATE	DATE	DATE
DIVISION		EMSD		CHKD	DATE	DATE	DATE	DATE	DATE
DO NOT SCALE DRAWING		SCALE 4/1		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2021			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		INCHES .00 ± .01 .000 ± .0005 .0000 ± .0002		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.			
MAX SURFACE ROUGHNESS		MILLIMETERS 0 ± .00 .00 ± .000		TITILE		WIREMOUNT PLUG CONN., LATCH/EJECT, .100 X .100			
MARKED ONLY		ANGLES		CAGE NUMBER		DRAWING NO.		REV.	
				D		78-5100-0086-8		E	
				MODEL		4600		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]

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

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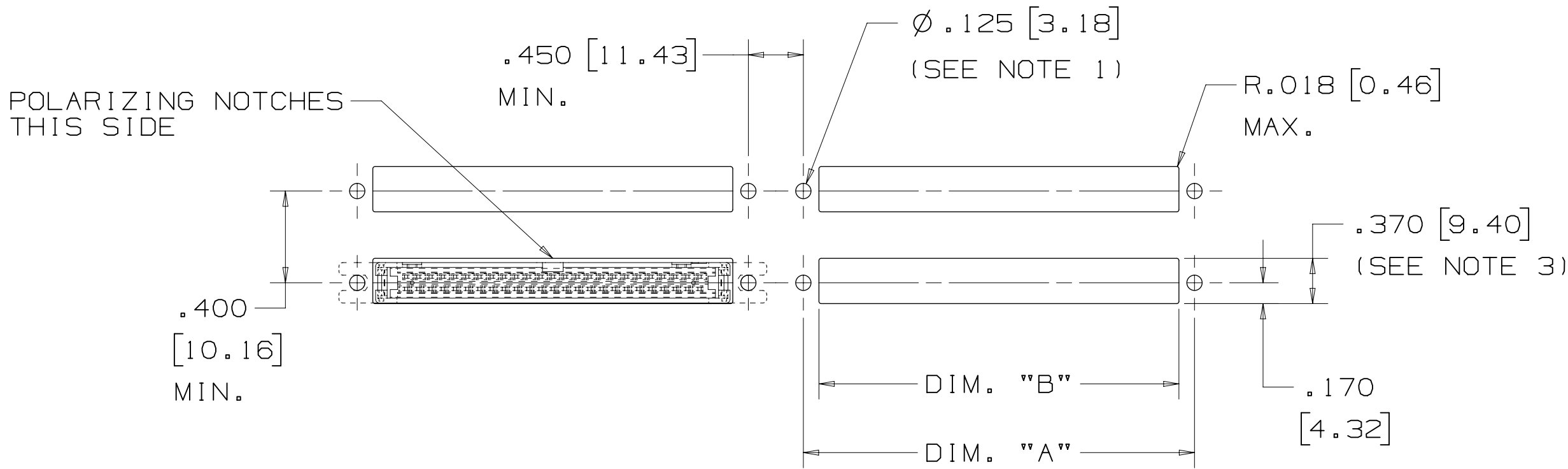
3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect

- 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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REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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3	0	FEB 10, 2021		
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