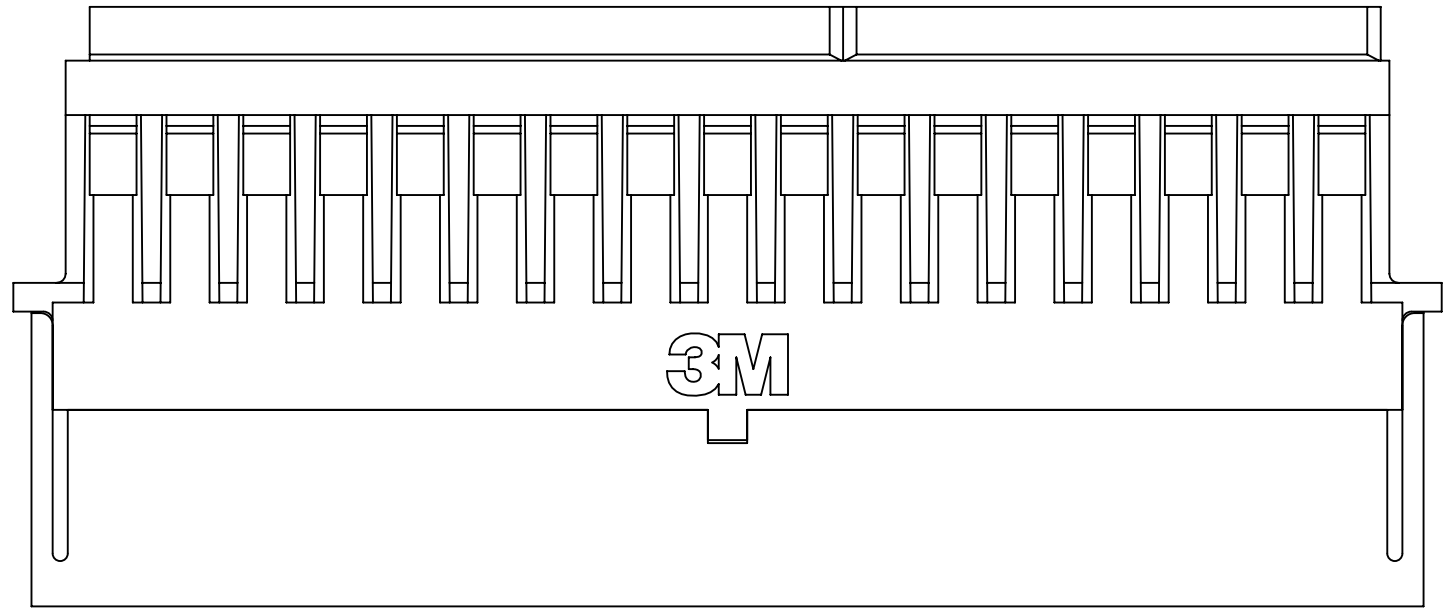
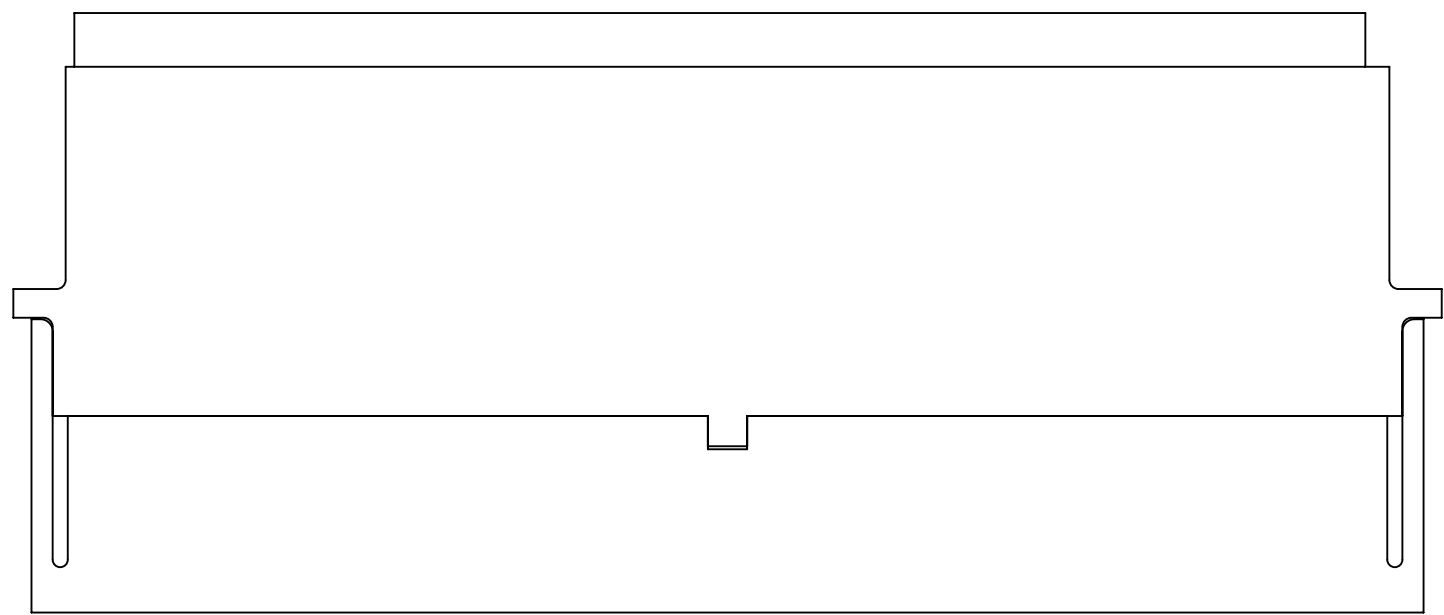


3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)

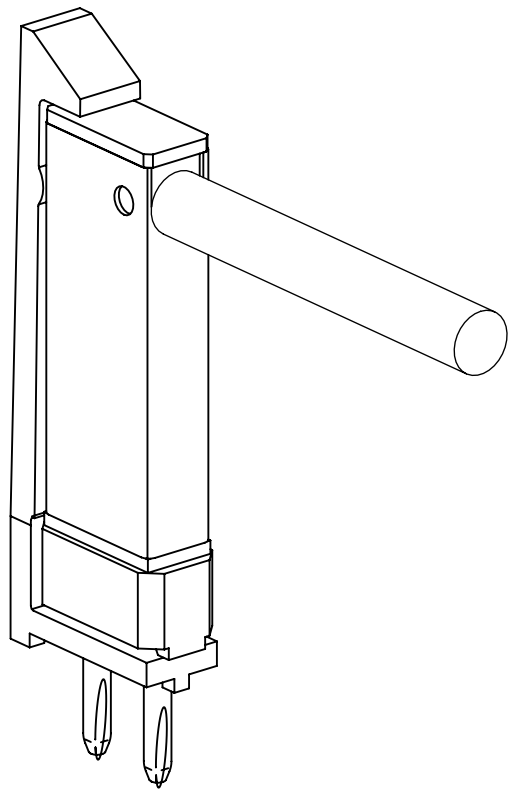
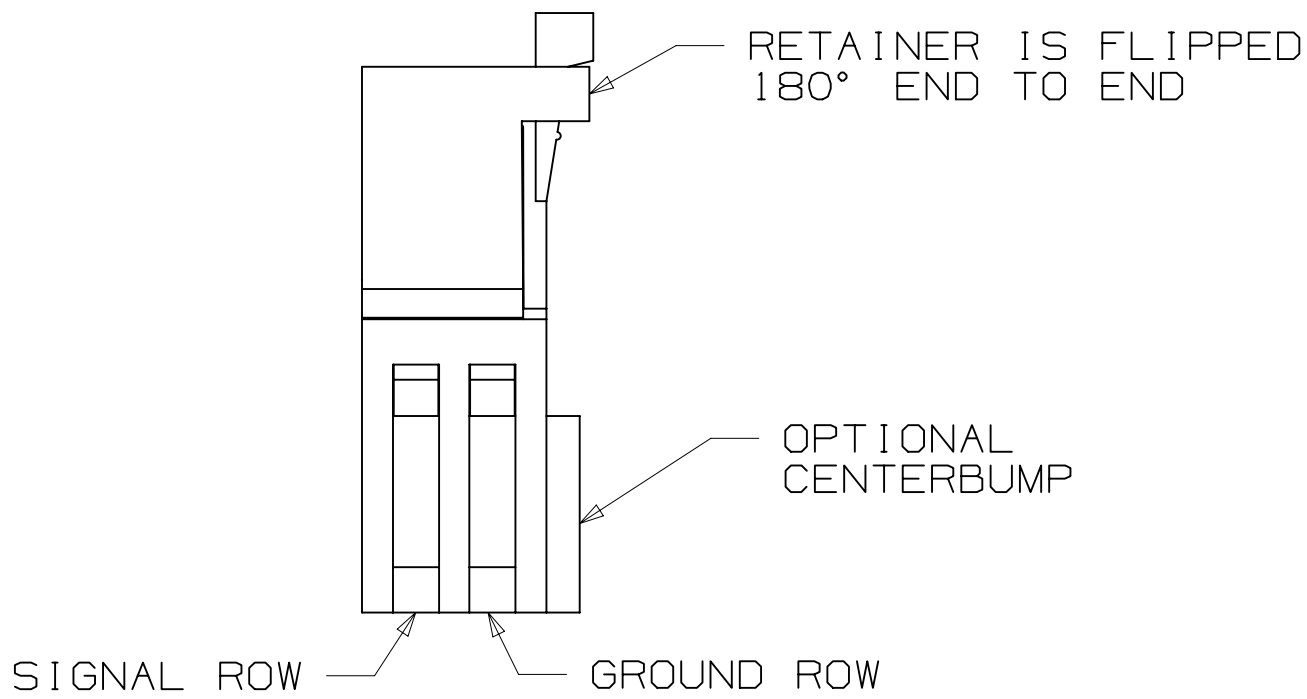
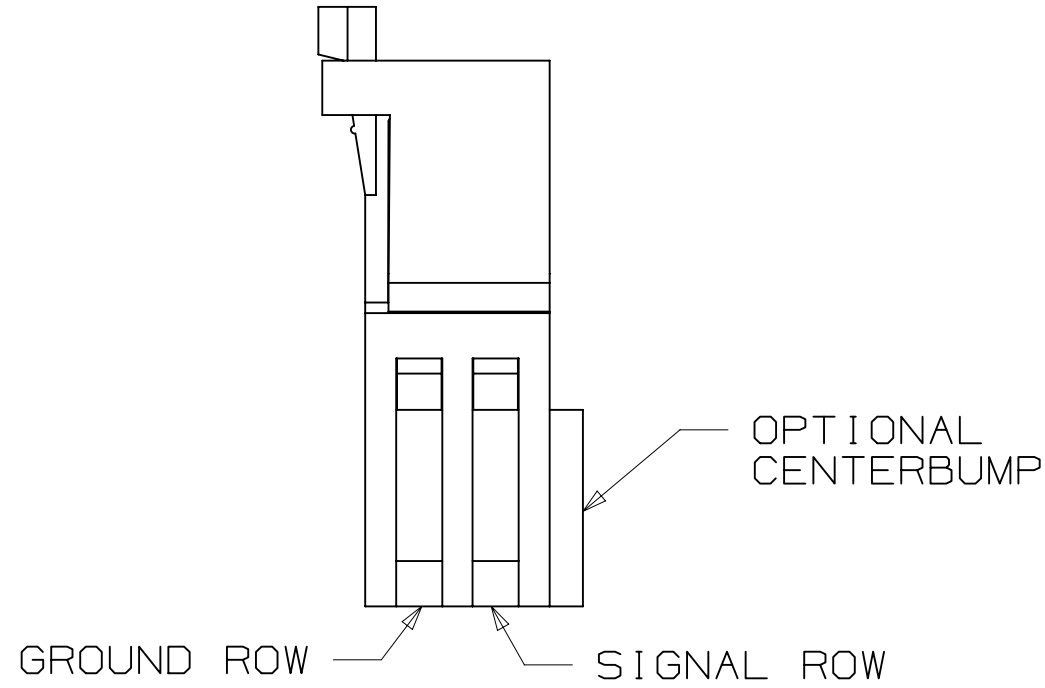
.100" ASSEMBLY HARDWARE



98XX-PSMO
NORMAL "MO" RETENTION STYLE



98XX-PSMR
REVERSE "MR" RETENTION STYLE



NOTE:
1) PIN STRIP LATCH IS FOR USE WITH
.100 SCI, RIGHT ANGLE CONNECTOR
TYPE 22 ONLY.
(SEE TECH SHEET TS-0803)

2 ROW CARRIER HOUSING

- * CARRIERS AVAILABLE IN 3M .100" X .100" (2.54MM X 2.54MM) SOCKET.
- * COMPATIBLE WITH ALL 3M .100" X .100" (2.54MM X 2.54MM) HEADERS.
- * AVAILABLE IN SHORT OR LONG LATCH STYLES. CHECK STYLE FOR MATCH.

3 X 7 CARRIER HOUSING

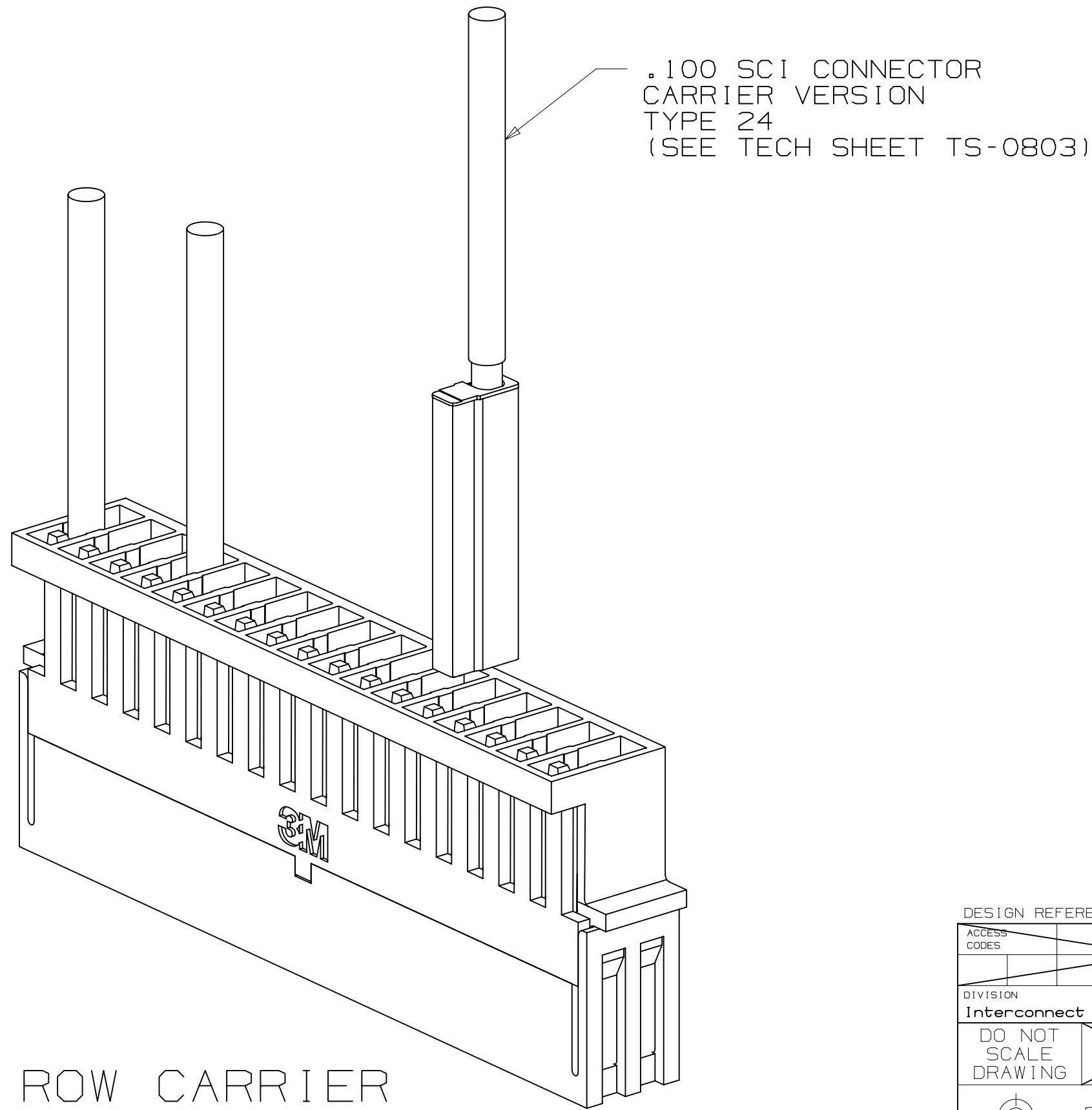
- * INTEGRAL LOCKING FEATURE.
- * INCLUDES TWO RETENTION CLIPS.

PIN STRIP LATCH

- * AVAILABLE FOR THE RIGHT ANGLE SCI CONNECTOR.
- * RoHS COMPLIANT

PHYSICAL :

- INSULATION MATERIAL:
- 2 ROW CARRIER: POLYCARBONATE
 - 3 X 7 CARRIER: GLASS REINFORCED POLYESTER
 - COLOR: BLACK
 - FLAMMABILITY: UL 94V-0
 - MARKINGS: 3M LOGO
 - CONTACTS: COPPER ALLOY



2 ROW CARRIER

- 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 PRECEDENT.

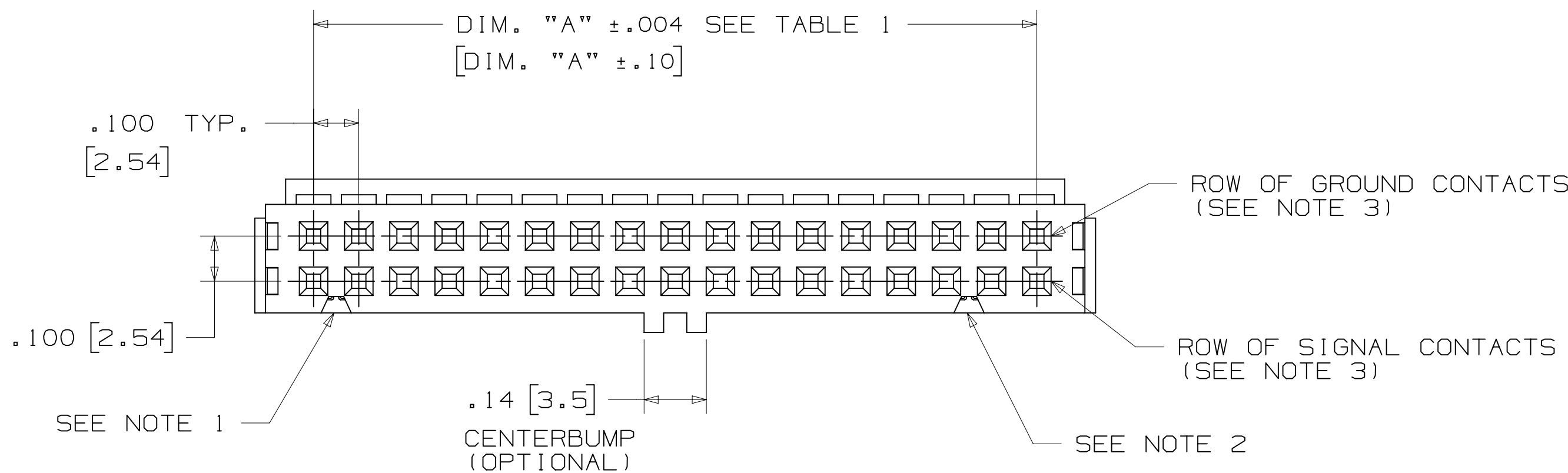
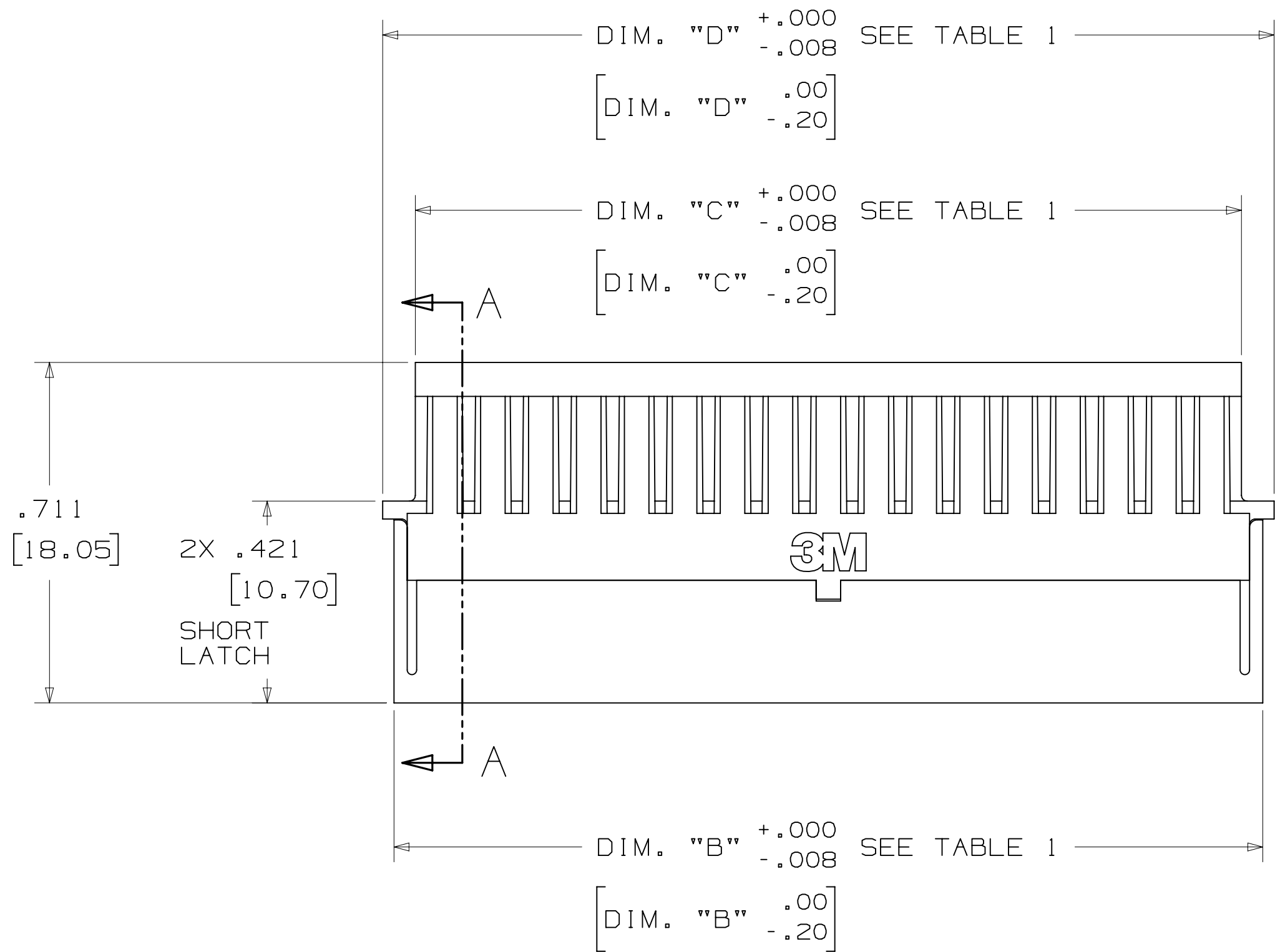
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DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF CODES		DIVISION CODE		DRP	DATE	MFG	DATE		
				CHKD	DATE	APPR	DATE		
						R. SCHERER	JAN 03, 2013		
DIVISION		Interconnect Solutions		ISD		© 3M COPYRIGHT 2020			
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THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		INCHES		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		SURFACES		MILLIMETERS		TITLE			
✓ MARKED ONLY		ANGLES		0 ± .1		3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)			
				.00 ± .01		.100" ASSEMBLY HARDWARE			
				.000 ± .005		CAGE / SIZE / DRAWING NO.			
				.0000 ± .0002		NUMBER			
				.0 ± .2		D 78-5100-0802-8			
				.00 ± .13		MODEL			
				.000 ± .005		DET			
						YES			
						NO			
						SHT 1 OF 4			

3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)

.100" ASSEMBLY HARDWARE



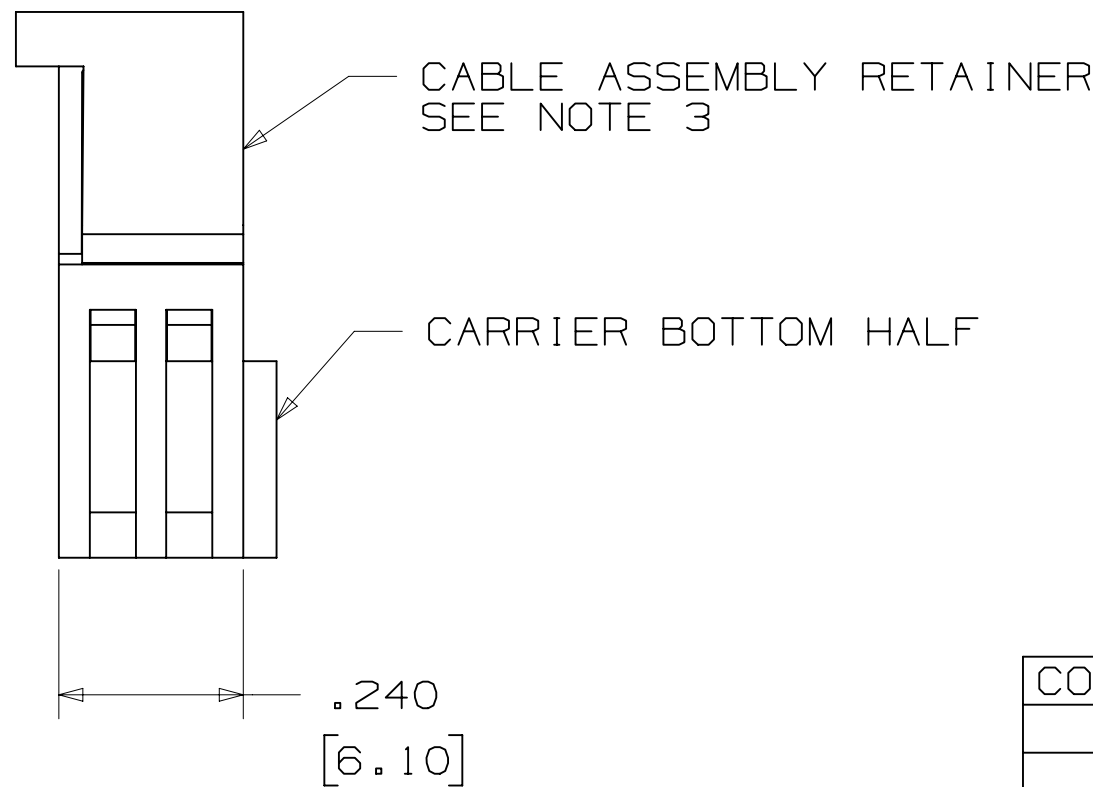
ORDERING INFORMATION
2 ROW CARRIER HOUSING

98XX-XXXX

CONTACT QTY. SEE TABLE 1
MOLDED RETENTION FEATURE:
MO = NORMAL
MR = REVERSE

CARRIER STYLE:
PS = CENTERBUMP, SHORT LATCHES
NS = NO CENTERBUMP, SHORT LATCHES
PL = CENTERBUMP, LONG LATCHES
NL = NO CENTERBUMP, LONG LATCHES

LOCKING WEDGE
LOCKS "RELEASE LATCH"
IN CLOSED POSITION



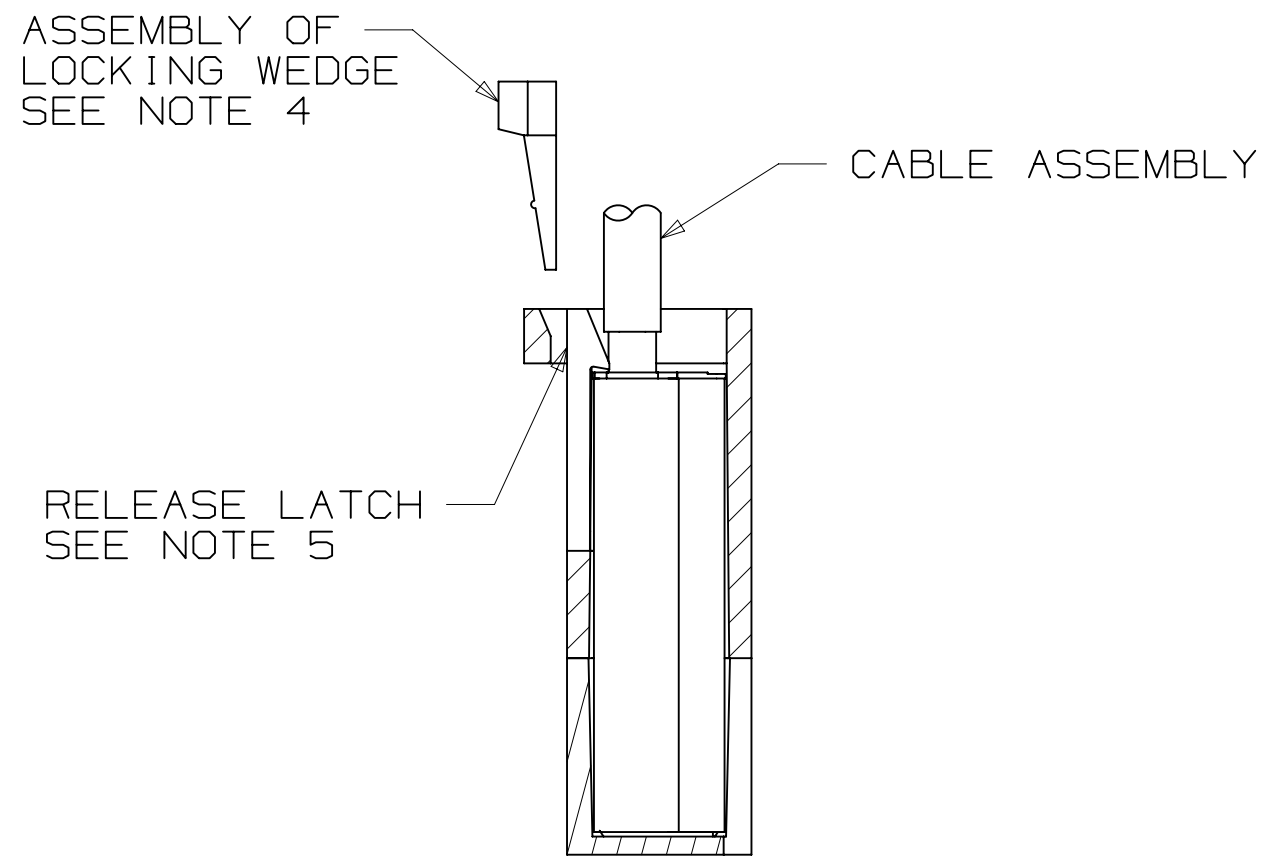
.559
[14.20]
LONG LATCH

LONG LATCH CARRIER

TABLE 1: CARRIER POSITIONS

CONTACT QTY.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
06	.20 [5.08]	.41 [10.48]	.32 [8.22]	.46 [11.68]
08	.30 [7.62]	.51 [13.02]	.42 [10.76]	.56 [14.22]
* 10	.40 [10.16]	.61 [15.56]	.52 [13.30]	.66 [16.76]
12	.50 [12.70]	.71 [18.10]	.62 [15.84]	.76 [19.30]
* 14	.60 [15.24]	.81 [20.64]	.72 [18.38]	.86 [21.84]
* 16	.70 [17.78]	.91 [23.18]	.82 [20.92]	.96 [24.38]
* 20	.90 [22.86]	1.11 [28.26]	1.02 [26.00]	1.16 [29.46]
* 26	1.20 [30.48]	1.41 [35.88]	1.32 [33.62]	1.46 [37.08]
30	1.40 [35.56]	1.61 [40.96]	1.52 [38.70]	1.66 [42.16]
* 34	1.60 [40.64]	1.81 [46.04]	1.72 [43.78]	1.86 [47.24]
* 40	1.90 [48.26]	2.11 [53.66]	2.02 [51.40]	2.16 [54.86]
* 50	2.40 [60.96]	2.61 [66.36]	2.52 [64.10]	2.66 [67.56]
60	2.90 [73.66]	3.11 [79.06]	3.02 [76.80]	3.16 [80.26]
* 64	3.10 [78.74]	3.31 [84.14]	3.22 [81.88]	3.36 [85.34]

* TOOLED POSITIONS: CONTACT 3M SALES FOR ADDITIONAL POSITIONS

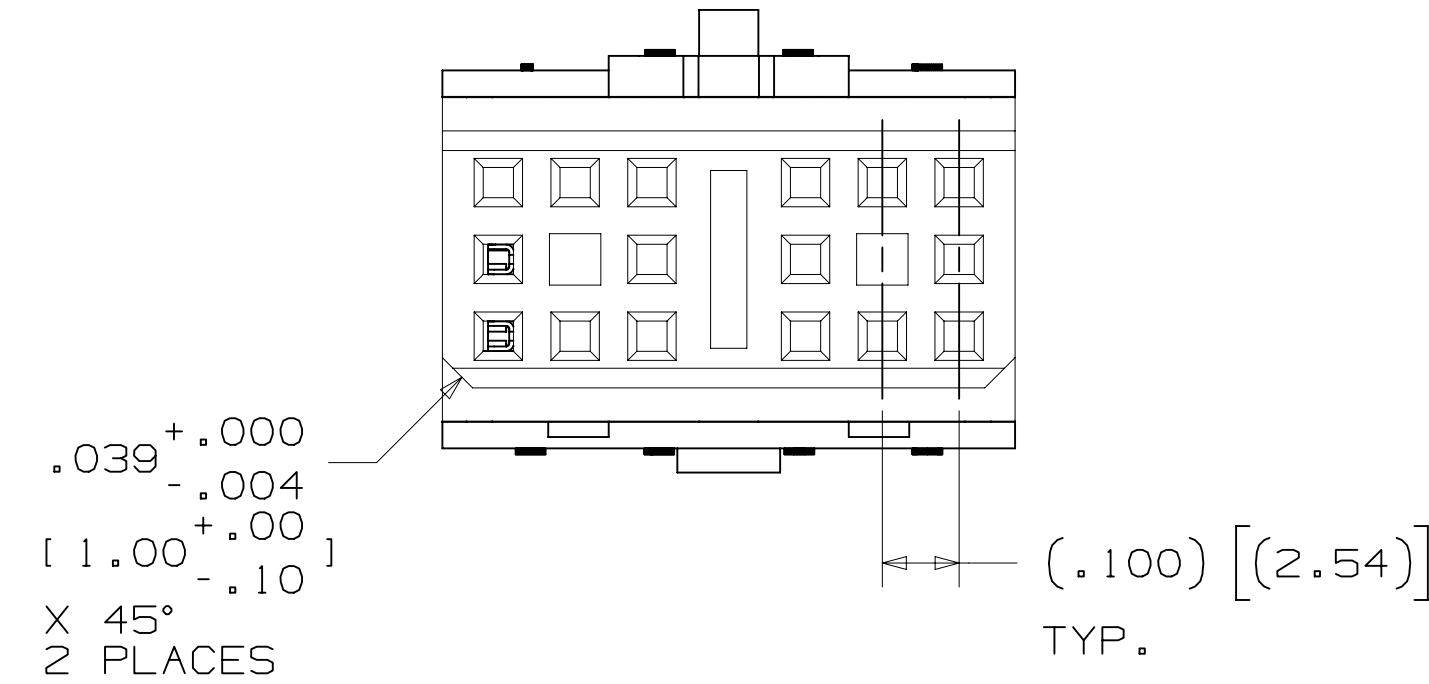
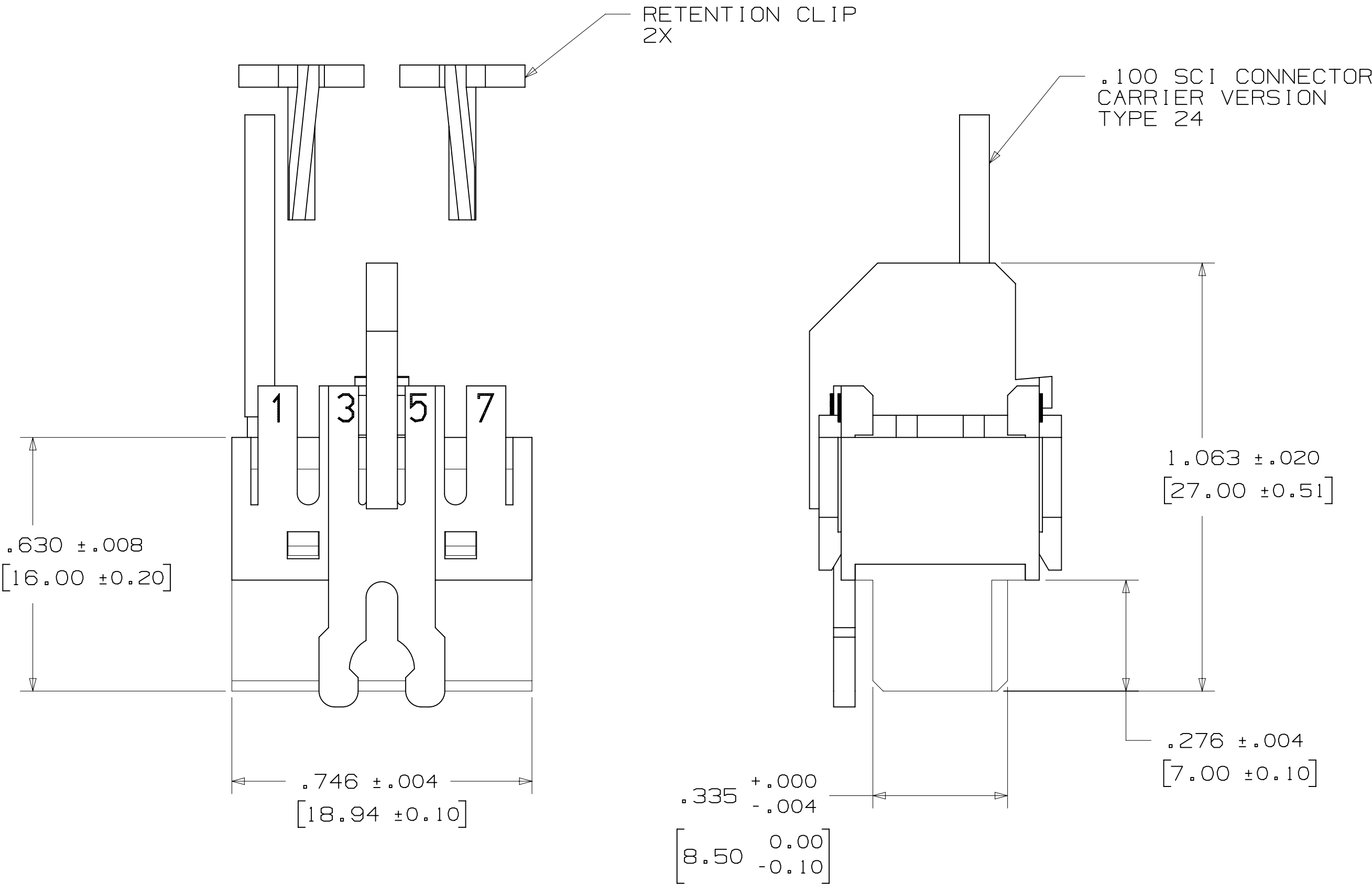
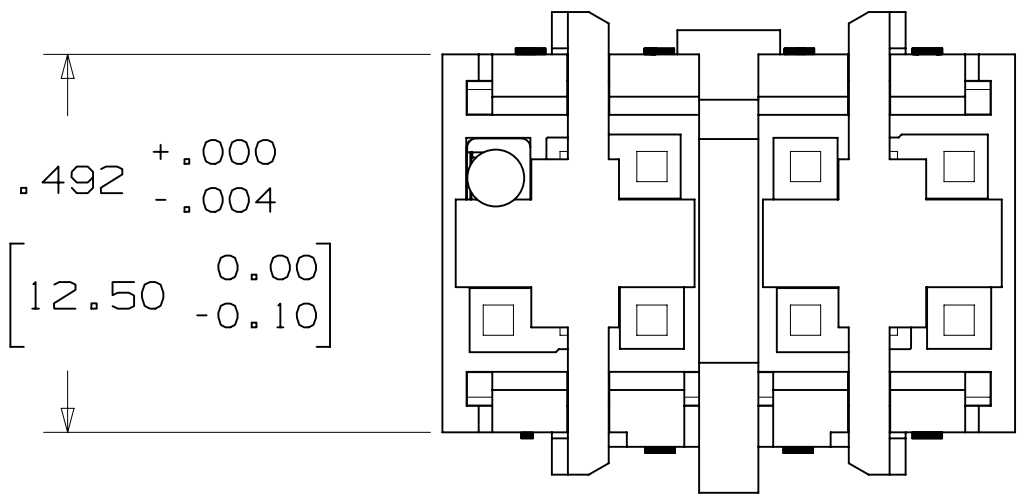


SECTION A - A

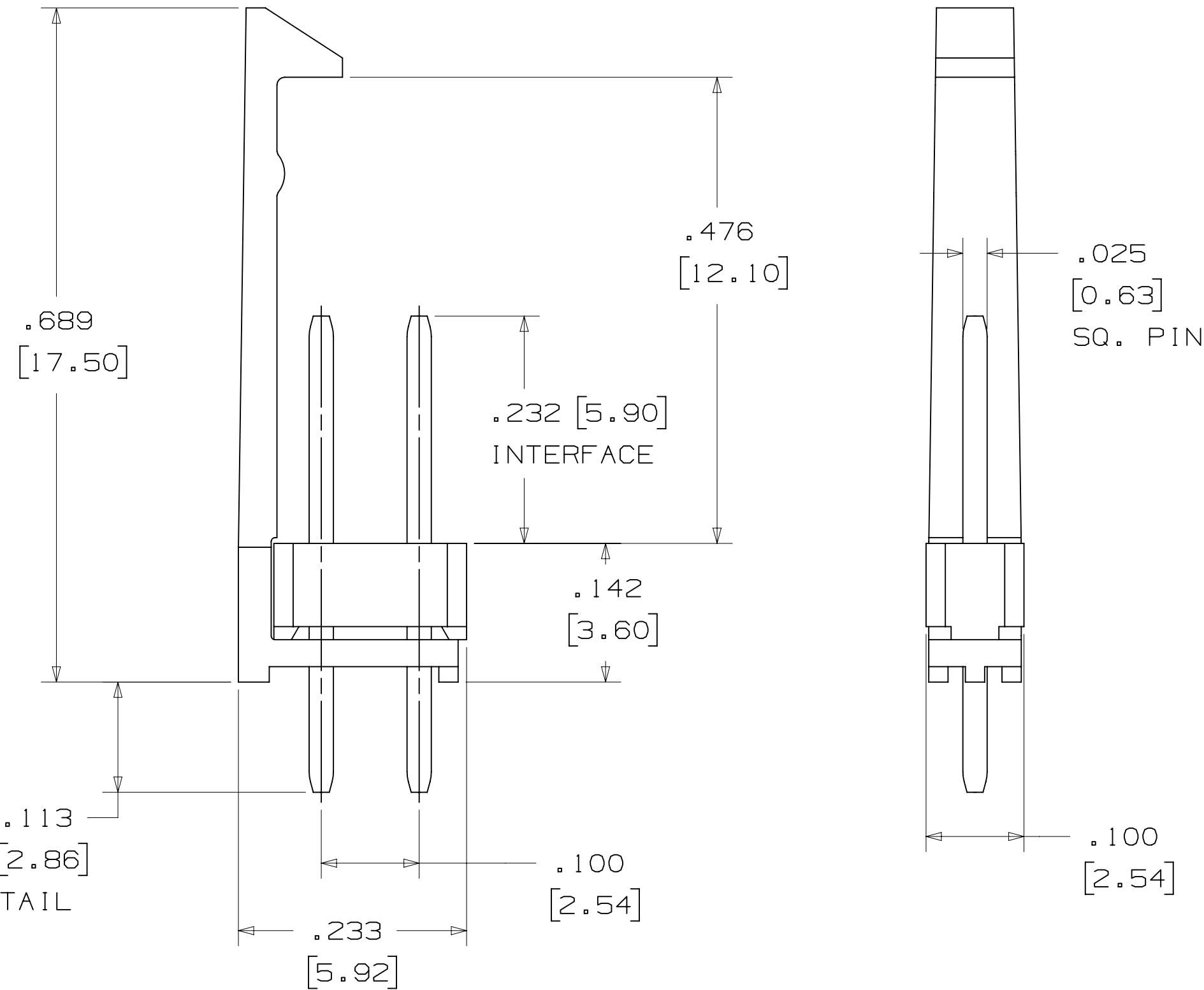
- NOTES
- 1 POLARIZING GROOVE OMITTED FOR POSITIONS 6 AND 8.
 - 2 POLARIZING GROOVE OMITTED FOR POSITIONS 6, 8, 10, 12 AND 14.
 - 3 THE NORMAL "MO" RETENTION STYLE IS ILLUSTRATED. FOR THE REVERSE "MR" RETENTION STYLE THE CABLE ASSEMBLY RETAINER IS FLIPPED 180° END TO END AND THE "SIGNAL" AND "GROUND" ROWS OF CONTACTS ARE ALSO REVERSED.
 - 4 OPTIONAL LOCKING WEDGE PREVENTS SCI REMOVAL. 25 POSITION (CUT TO LENGTH)
 - 5 RELEASE LATCH CAN BE MOVED WITH FINGERNAIL TO ALLOW REPLACEMENT OF SCI CABLE LINE.

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	0.00 ±.01 0.000 ±.005 0.0000 ±.0002	MILLIMETERS	0 ±.2 0.00 ±.13 0.000 ±.005
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS	DET	MARKED ONLY	ANGL	ANGLES
C	92908	SEP 24, 2020	REVISE ORDERING INFO SHT 2	JNC	FJR	
B	44714	JAN 03, 2013	REVISED AND REDRAWN	JNC	RS	
CASTIGLIONE	JAN 03, 2013	DATE	DATE	DATE	DATE	DATE
CHKD	DATE	APPR	R. SCHERER	DATE	JAN 03, 2013	DATE
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THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS	DET	MARKED ONLY	ANGL	ANGLES
CAGE NUMBER	SIZE	DRAWING NO.	REV.	CAGE NUMBER	SIZE	DRAWING NO.
D	78-5100-0802-8	C				
MODEL	DET	LISTS	YES	NO	SHT 2 OF 4	

3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)
.100" ASSEMBLY HARDWARE



ORDERING INFORMATION
3 X 7 CARRIER HOUSING
9821-5000



ORDERING INFORMATION
PIN STRIP WITH LATCH
2402-3505 RC

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIVISION		DIVISION CODE		DRP	CASTIGLIONE	DATE	MFG	DATE	
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TITLE		3M™ SHIELDED CONTROLLED IMPEDANCE (SCI) .100" ASSEMBLY HARDWARE		CAGE / SIZE / DRAWING NO.		REV.		MODEL	
CAGE / SIZE / DRAWING NO.		NUMBER		D		78-5100-0802-8		C	
LISTS		YES		NO		SHT 3 OF 4			

3M™ SHIELDED CONTROLLED IMPEDANCE (SCI)
.100" ASSEMBLY HARDWARE

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	C	92908	SEP 24,2020	JNC	FJR	
			REVISE ORDERING INFO			
	B	44714	JAN 03,2013	JNC	RS	
			REVISED AND REDRAWN			
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XXXXXX		CHKD		DATE	APPR	DATE
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		INCHES .0 ±.1 .00 ±.01 .000 ±.005 .0000 ±.0002				
THIRD ANGLE PROJECTION		MILLIMETERS 0 ±2 .0 ±.3 .00 ±.13 .000 ±.005				
INTERPRET PER ASME Y14.5 - 2018		CAGE NUMBER				
MAX SURFACE ROUGHNESS		DRAWING NO.				
✓ MARKED SURFACES		D 78-5100-0802-8				
✓ MARKED ONLY		REV. C				
		MODEL				
		DET				
		LISTS				
		YES				
		NO				
		SHT 4 OF 4				

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