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/ER1 m 50 50 50 50 50 50 50 50 50 50	Dim "B"Dim "C".215.270.265.320.315.370.365.420.415.470.465.520.515.570.615.670.865.920	2. PI53 0 1 3. VIIII 4. RRRA	ATERIAL: ODY: LCP, UL94V-0 ATCH: PPA, UL94V-0 ONTACTS: COPPER ALLOY. PLATING: O-150μ" NICKEL UNDERPLATE O = 30μ" GOLD MIN. ON WIPING AREA WITH 200μ" MATTE TIN ON SOLDER TAIL O = GOLD FLASH ON WIPING AREA WITH OO-140μ" MATTE TIN ON SOLDER TAIL. MATING COMPATIBILITY: BM .050" X .050", 451 GERIES RIBBON CABLE SOCKET. REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION PPENDIX (RIA) IN THE ROHS COMPLIANCE" SECTION OF WWW 2MCONNECTORS COM	
se   nes er   ne ( er	es energized, per EIA 364-70 energized, 30C EIA 364-70 energized, 30C EIA 364-70 at 500 VDC sea level C	F5.5.6.7.0.8.7.9.9.		DRAWING NUMBER DRAWING NUMBER REVISION
STD	-020	C 502	290 OCT 08,2013 JNC SN REVISE NOTE 1, 9 & OPERATING TEMP.	00 :
	DESIGN REFERENCE NEXT ASSEMBLY ACCESS CODES DIVISION DIVISION DIVISION DIVISION DIVISION DO NOT SCALE DRAWING DO NOT SCALE DRAWING TOLERANCES EXCEPT AS NOTED TOLERANCES EXCEPT AS NOTED NOTED INCHES 0 ± .1 .00 ± .02 .000 ± .010 .000 ± .0050 INTERPRET PER ASME Y14.5 - 1994 MAX SURFACE ROUGHNESS DIVISION CODE ISD TOLERANCES EXCEPT AS NOTED	A 467	635 JUL 12,2013 JNC SN MATCH TEXT FONTS & ADD NOTE 9 797 MAR 25,2013 JNC SAN PRODUCTION RELEASE ECO ISSUE DATE AND DESCRIPTION DRFT CHKD DATE NOV 29,2012 PRC NOV 29,2012 DATE NOV 29,2012 SAN NOV 29,2012 SAN NOV 29,2012 SAN MN 55144 OF 2013 This document and the information it contains are 3M Center St. Paul, MN 55144 OF 2013 This document and the information it contains are 3M Center St. Paul, MN 55144 OF 2012 SAN SOARDMOUNT HEADER 9 5 X . 05 PITCH 9 L/E 9 452 SERIES SIZE DRAWING NO. D 78-5100-2437-1 CC	Imaged: C.3 10/29/2013 10:46 AM UTC-05:

LISTS IYES NO SHT 1 OF 4

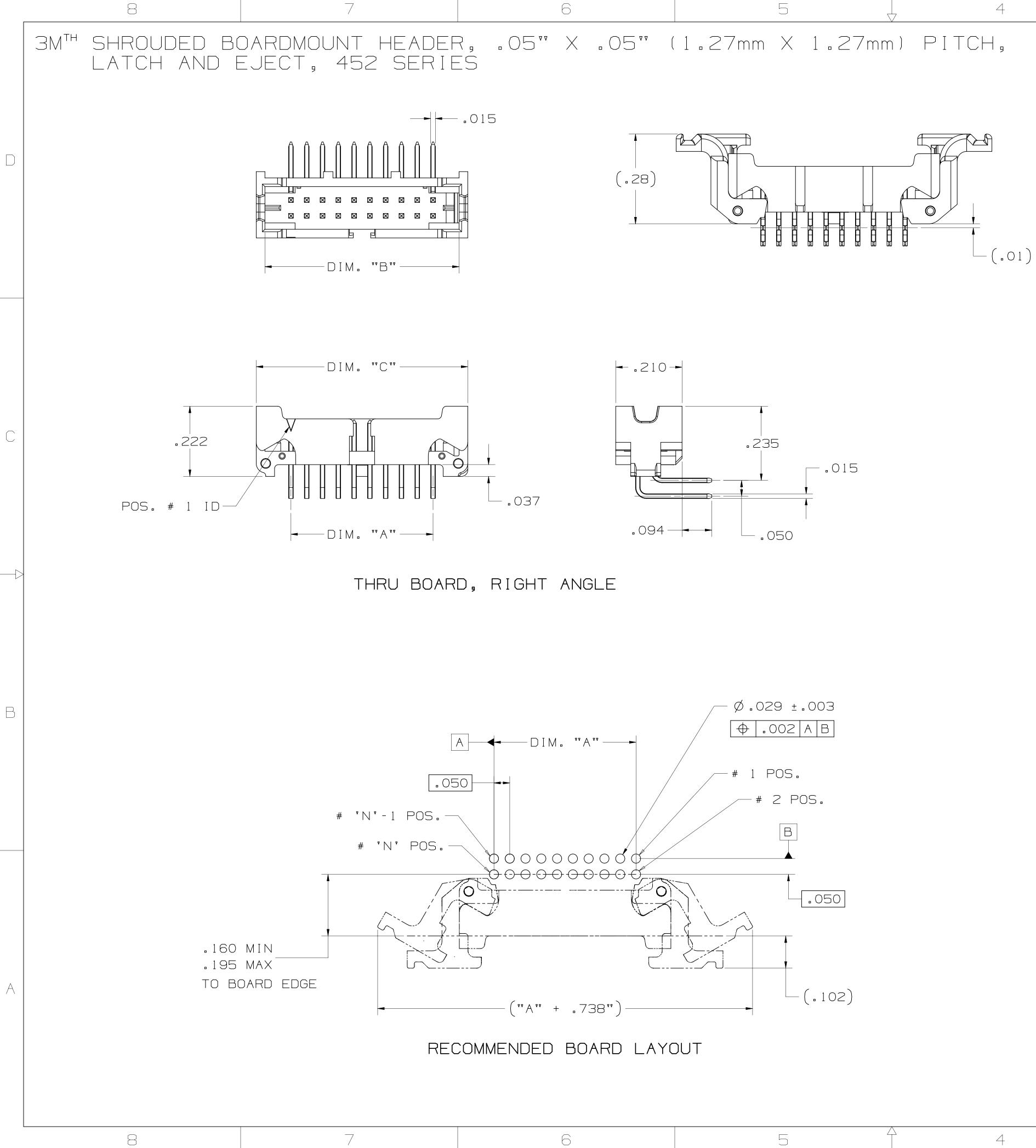
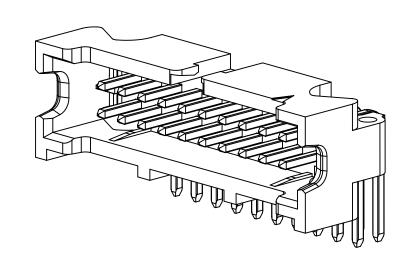
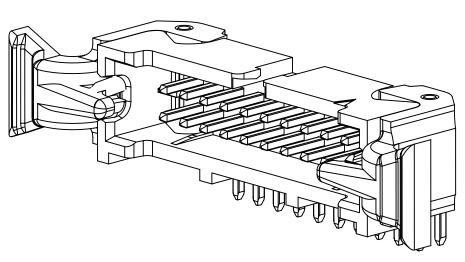


TABLE 1:	RIGHT	ANGLE	THRU
No. Positions	Dim "A"	Dim "B"	Dim <sup>vv</sup> C <sup>vv</sup>
4	.050	<b>.</b> 215	<u>.</u> 270
6	.100	<u>.</u> 265	<b>.</b> 320
8	.150	<b>.</b> 315	<b>.</b> 370
10	<u>.</u> 200	<b>.</b> 365	<b>.</b> 420
12	<u>.</u> 250	<b>.</b> 415	<b>.</b> 470
14	<b>.</b> 300	<b>.</b> 465	.520
16	<b>.</b> 350	<u>515</u>	<b>.</b> 570
20	<b>.</b> 450	<b>.</b> 615	<b>.</b> 670
30	<b>.</b> 700	.865	.920





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			30200	REVISE NOTE OPERATING T	1,9&		
		В	48635	JUL 12,2	013	JNC	SN
				MATCH TEXT ADD NOTE 9	FONTS &		
		A	46797	MAR 25,20	013	JNC	SAN
				PRODUCTION	RELEASE		
DESIGN REFERENCE NEXT	ASSEMBLY	REV	ECO	ISSUE DATE AND E		DRFT	СНКД
ACCESS CODES		DRFT ARM		NOV 29,2012 PRO	C	NOV 29	9,2012
		CHKD SAN		NOV 29,2012 SAN	∕∟ N	NOV 29	9,2012
DIVISION Interconnect Solutions DO NOT SCALE SCALE <u>6</u> 1	DIVISION CODE ISD TOLERANCES EXCEPT AS NOTED	3		Center Paul, 55144 Center M property and may distributed without All rights reserved	COPYRIGHT <b>2013</b> the information it c y not be reproduced t 3M permission, or an for 3M authorized d.		/
DRAWING 1 THIRD ANGLE PROJECTION	INCHES .0 ± .1 .00 ± .02 .000 ± .010 .0000 ± .0050	TITLE	BOA 05 )	RDMOUNT X .05 PI	HEADE TCH,	ER, L/[	9
INTERPRET PER ASME Y14.5 - 1994 Max surface roughness	NILLIMETERS 0 ± .0		GE SIZE	452 SE	RIES		REV.
MAX SURFACE ROUGHNESS	.00 ± 000 ±			78-5100-	-2437-	+	С
	MINULES -			LISTS	5 🗆 YES 🛛 NO 🛛 SI	HT 2	UF <b>4</b>

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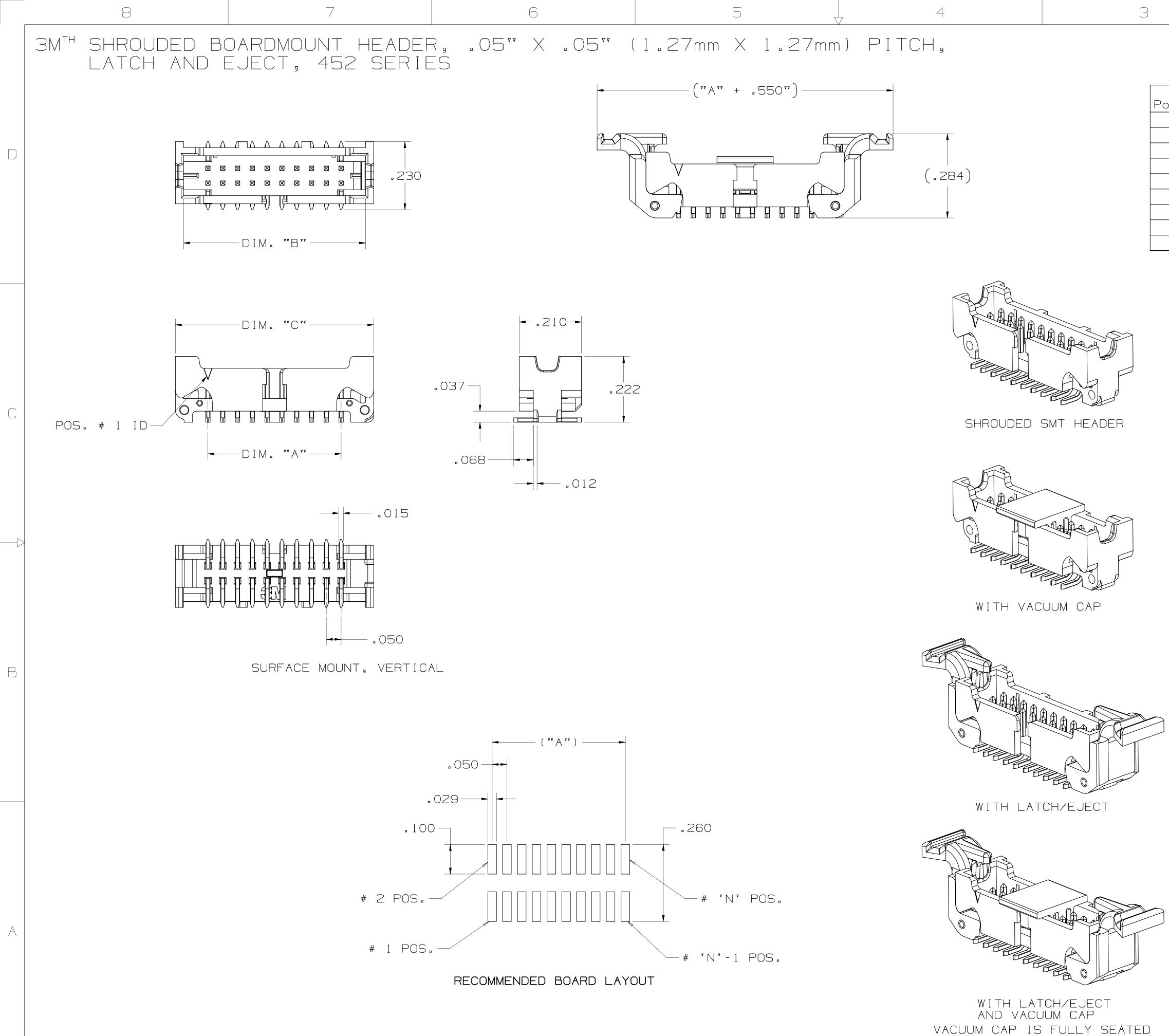




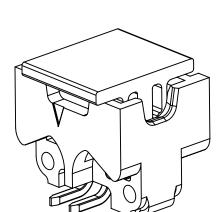
TABLE 1: VERTICAL SMT							
No. Positions	Dim "A"	Dim "B"	Dim "C"				
4	.050	<b>.</b> 215	<b>.</b> 270				
6	<b>100</b>	<u>.</u> 265	<b>.</b> 320				
8	<b>.</b> 150	<b>.</b> 315	<b>.</b> 370				
10	<b>.</b> 200	<b>.</b> 365	<b>.</b> 420				
12	<b>.</b> 250	<b>.</b> 415	<b>.</b> 470				
14	<b>.</b> 300	<b>.</b> 465	<b>.</b> 520				
16	.350	<b>.</b> 515	<b>.</b> 570				
20	<b>.</b> 450	.615	<b>.</b> 670				
30	<b>.</b> 700	.865	.920				

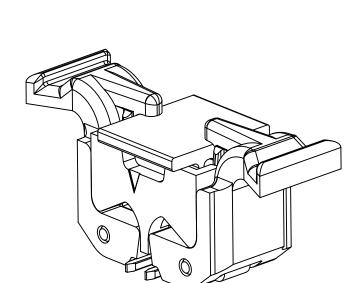
VACUUM CAP IS FULLY SEATED ON POSITIONS 8 THRU 30

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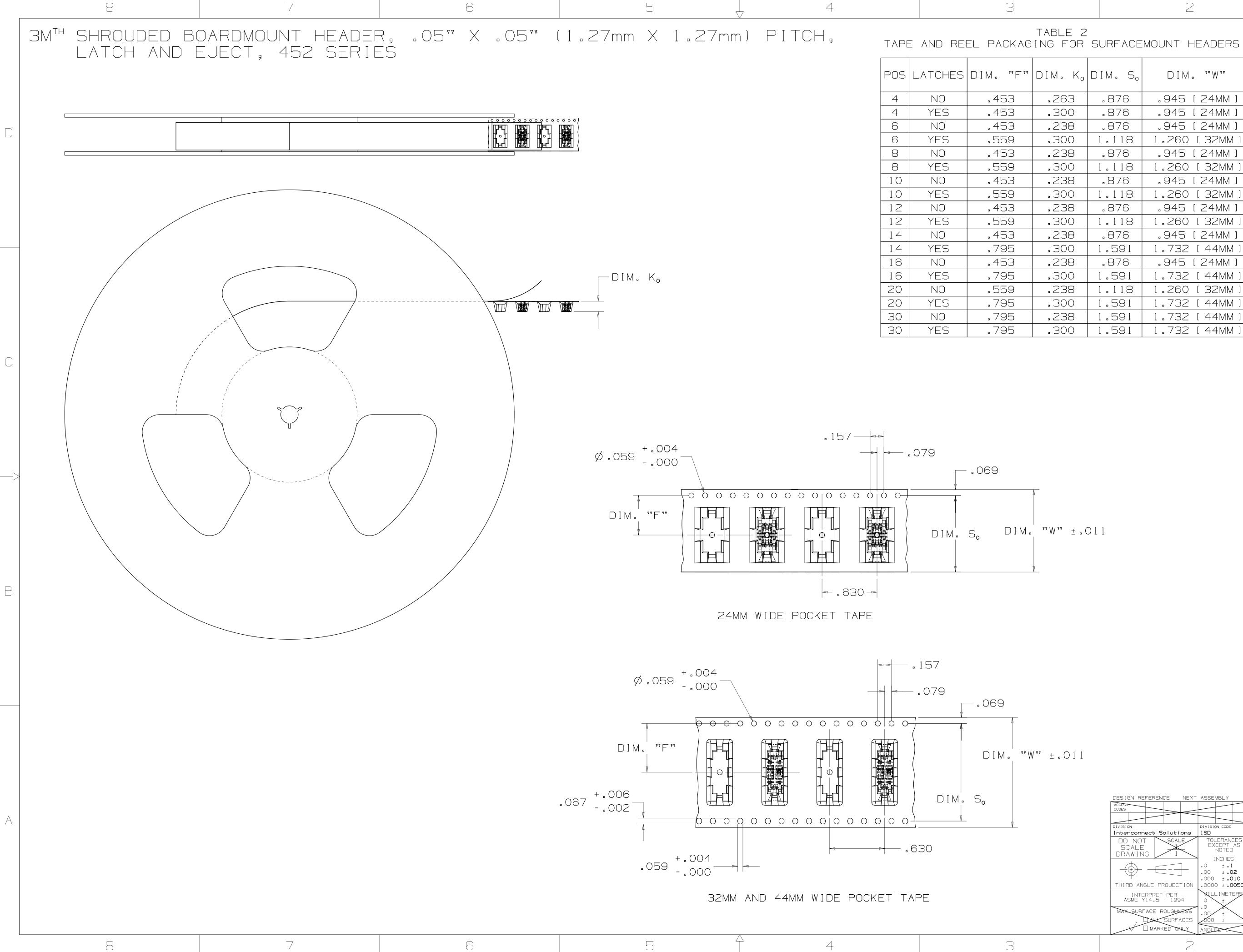
			С	50290		OCT 08	,2013	JNC	SN	
					F (	REVISE NO OPERATING	TE 1, 9 & 5 TEMP.			(
			В	48635		JUL 12	,2013	JNC	SN	l
				MATCH TEXT FONTS & ADD NOTE 9						
			A	46797		MAR 25	,2013	JNC	SAN	-
					F	PRODUCTIC	IN RELEASE			:
DESIGN REFERENCE	NEXT	ASSEMBLY	REV	ECO	IS	SUE DATE AN	D DESCRIPTION	DRFT	СНКД	(
ACCESS CODES			DRFT ARM		□ N	NTE 29,2012	PRC	NOV 29	9,2012	
					ם <b>ו</b>	ATE 10V 29,2012	APPVL SAN	NOV 29	9,2012	A
DIVISION		DIVISION CODE					3M COPYRIGHT 201			/ `(
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DRAWING	1	INCHES	TITLE							(
		.0 ± .1 .00 ± .02		BUA	\RL	MOUN	I HEAD	ΕR,		
THIRD ANGLE PROJ		.000 ±.010 .0000 ±.0050		05	Х	.05 F	PITCH,			(
INTERPRET PE ASME Y14.5 - 1	ĨR	WILLIMETERS 0 ±			4	52 S	eries			(
MAX SURFACE ROUG	GHNESS RFACES	.0 .00 ± .000 ±	NUM	IBER SIZE	drawi 78	-5100	)-2437	- 1	REV.	
MARKED	DHLY	ANGLES	MOD	EL		DE L I	STS 🗆 YES 🛛 NO	SHT <b>3</b>	OF 4	•
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POS	LATCHES	DIM. "F"	DIM. K <sub>o</sub>	DIM. S <sub>o</sub>	DIM. "W"
4	NO	. 453	.263	.876	.945 [24MM]
4	YES	.453	. 300	.876	.945 [24MM]
6	NO	.453	.238	.876	.945 [24MM]
6	YES	.559	. 300	1.118	1.260 [32MM]
8	NO	.453	.238	.876	.945 [24MM]
8	YES	.559	. 300	1.118	1.260 [32MM]
10	NO	.453	.238	.876	.945 [24MM]
10	YES	.559	. 300	1.118	1.260 [32MM]
12	NO	.453	.238	.876	.945 [24MM]
12	YES	.559	. 300	1.118	1.260 [32MM]
14	NO	.453	.238	.876	.945 [24MM]
14	YES	.795	. 300	1.591	1.732 [44MM]
16	NO	.453	.238	.876	.945 [24MM]
16	YES	.795	. 300	1.591	1.732 [44MM]
20	NO	.559	.238	1.118	1.260 [32MM]
20	YES	.795	.300	1.591	1.732 [44MM]
30	NO	.795	.238	1.591	1.732 [44MM]
30	YES	.795	.300	1.591	1.732 [44MM]

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C 50290 JNC SN OCT 08,2013 REVISE NOTE 1, 9 & OPERATING TEMP. JUL 12,2013 JNC SN B 48635 MATCH TEXT FONTS & ADD NOTE 9 JNC SAN A 46797 MAR 25,2013 PRODUCTION RELEASE ISSUE DATE AND DESCRIPTION DRFT CHKD DESIGN REFERENCE NEXT ASSEMBLY ECO RFVL NOV 29,2012 NOV 29,2012 PRC DRFT ARM CHKD SAN NOV 29,2012 SAN NOV 29,2012 © 3M COPYRIGHT **2013** 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. DIVISION CODE DIVISION ISD Interconnect Solutions 3M TOLERA, EXCEPT NOTED DO NOT SCALE DRAWING INCHES BOARDMOUNT HEADER, 

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.05 PITCH, L/E, 452 SERIES 05 X HIRD ANGLE PROJECTION INTERPRET PER ASME Y14.5 - 1994 MULLIMETERS  $D^{\text{SIZE}} 78 - 5100 - 2437 - 1$ CAGE NUMBER X SURFACE ROUG SURFACES - MARKED LISTS IYES NO SHT 4 OF 4

78-51 DRAWING NU

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