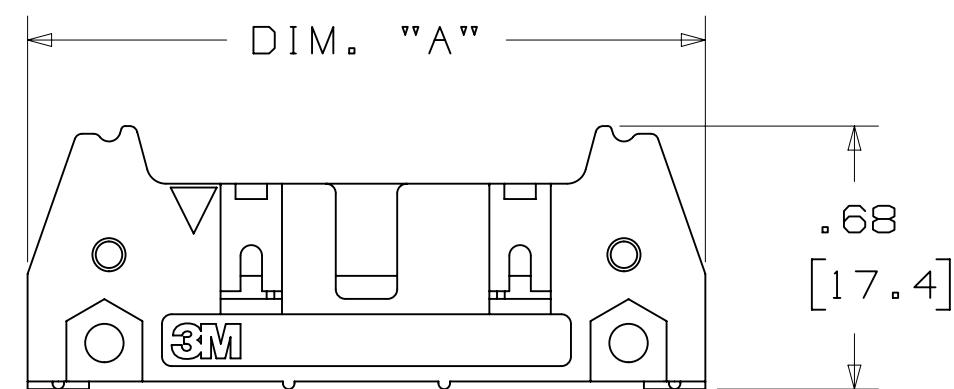
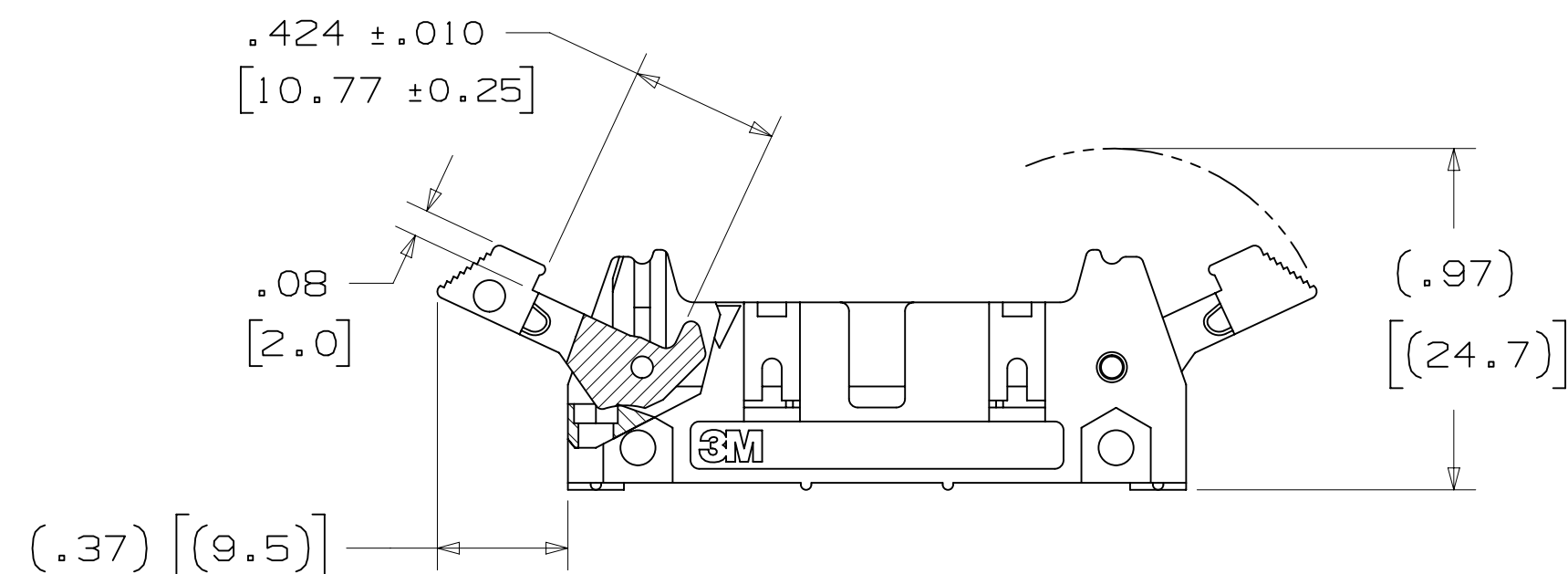


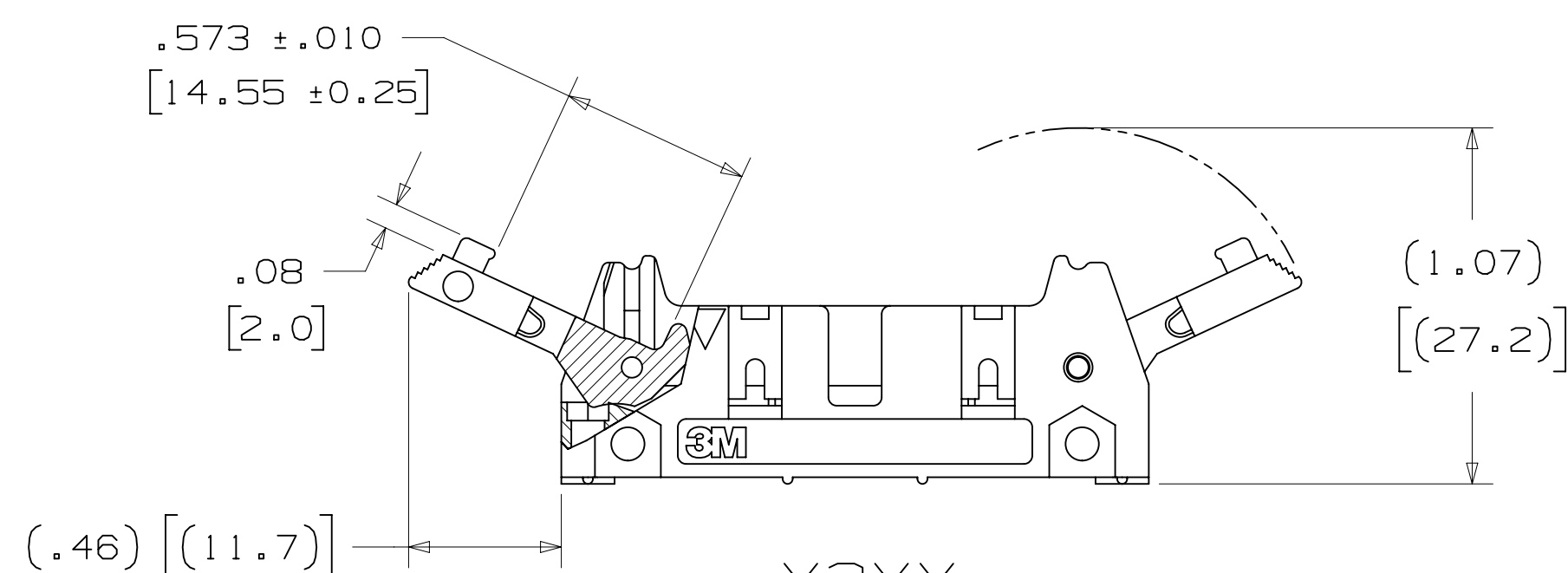
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



-X0XX
HEADER WITHOUT LATCH EJECTOR



-X2XX
HEADER WITH SHORT LATCH EJECTOR
FOR 3M SOCKETS WITHOUT STRAIN RELIEF



-X3XX
HEADER WITH LONG LATCH EJECTOR
FOR 3M SOCKETS WITH STRAIN RELIEF

X3XXX-XXXXXX

UL[®]
US
UL FILE NO: E68080

- * MILITARY (WITH 3M'S N3518 POLARIZING KEY) AND CENTERBUMP POLARIZATION.
- * OPTIONAL EJECTOR LATCHES.
- * MOUNTING HOLES FOR SECURING HEADER TO BOARD.
- * OPTIONAL POLARIZING POSTS AVAILABLE.
- * HIGH TEMPERATURE INSULATOR SUITABLE FOR "NO LEAD" SOLDERING OPERATIONS.
- * SUITABLE FOR REFLOW SOLDERING USING "PASTE IN HOLE" TECHNIQUES.
- * SOLDER TAIL OPTION.

2 PHYSICAL :

```

INSULATOR:
  MATERIAL: GLASS FILLED POLYESTER (PCT)
FLAMMABILITY: UL94V-0
  COLOR: BLACK
CONTACT:
  MATERIAL: COPPER ALLOY
  PLATING:
UNDER PLATING: 100μ" [ 2.54μm ] NICKEL-OVERALL
  WIPING AREA: 30μ" [ 0.76μm ] AVG. GOLD
  SOLDER TAILS: TIN LEAD OR MATTE TIN (SEE ORDERING INFORMATION)
  MARKINGS: 3M LOGO, PART IDENTIFICATION NUMBER AND ORIENTATION TRIANGLE

```

2 ELECTRICAL :

CURRENT RATING: 5.00A, 1 CONTACT POWERED
3.00A, 6 CONTACTS POWERED
1.75A, ALL CONTACTS POWERED
RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM
TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE
3M PRODUCT SPECIFICATION FOR DETAILED CURRENT DERATING
CURVES.

INSULATION RESISTANCE: $>1 \times 10^9 \Omega$ AT 500 V_{DC}
WITHSTANDING VOLTAGE: 1,000V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 105°C
PROCESS RATING: 260°C, PER J-STD-020C, SINGLE PASS
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE			NEXT ASSEMBLY	REV#	ECO	ISSUE DATE AND DESCRIPTION	DWFT	CHKD
ADDRESS				DATE DFT CASTIGLIONE JUL 25, 2014		MFG DATE	DATE	
				CHDK		ARRVL R. SCHERER	DATE SEP 05, 2014	
DIVISION				DIVISION CODE				
Interconnect Solutions				EMSD				
DO NOT SCALE DRAWING		SCALE $\frac{2}{1}$		TOLERANCES EXCEPT AS NOTED				
		THIRD ANGLE PROJECTION		INCHES .00 ± .00 ± .01 .000 ± .005 .0000 ±				
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS 0.00 ± 0.00 ± .13 0.000 ±		ANGLES				
MAX SURFACE ROUGHNESS		FINISH SURFACES		CAGE NUMBER		SIZE		DRAWING NO.
☒ MARKED UNLESS				D 78-5100-0772-3		REV.		S
MODEL				3000 SERIES		DET. LISTS		☐ YES ☒ NO SHT 1 OF 4

1. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE
REGULATORY INFORMATION
APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION
OF WWW.3MCONNECTORS.COM FOR
COMPLIANCE INFORMATION.

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

3 NOTCHES A & C WILL ACCOMODATE
3M POLARIZING KEY: N3518.

4	MOUNTING HARDWARE: FROM SOLDER SIDE OF PC BOARD USE #4-24 THREAD CUTTING SCREW (3M PART #3341-5) WITH $\varnothing .116$ [2.95] MOUNTING HOLE. FOR RIGHT ANGLE VERSION ONLY: #2-56 BOLT AND NUT (3M PART #3341-6) WITH $\varnothing .106$ [2.69] MOUNTING HOLE MAY BE USED.
---	--

5 THE RECOMMENDED PCB HOLE SIZE
FOR THE KINKED TAIL POSITIONS
ON THE .112 SOLDER TAIL
CONNECTOR IS $\varnothing .035 \pm .002$.
(SEE K2 VERSION).

Imaged: S.1 3/6/2015 12:54 PM UTC-06:00

.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

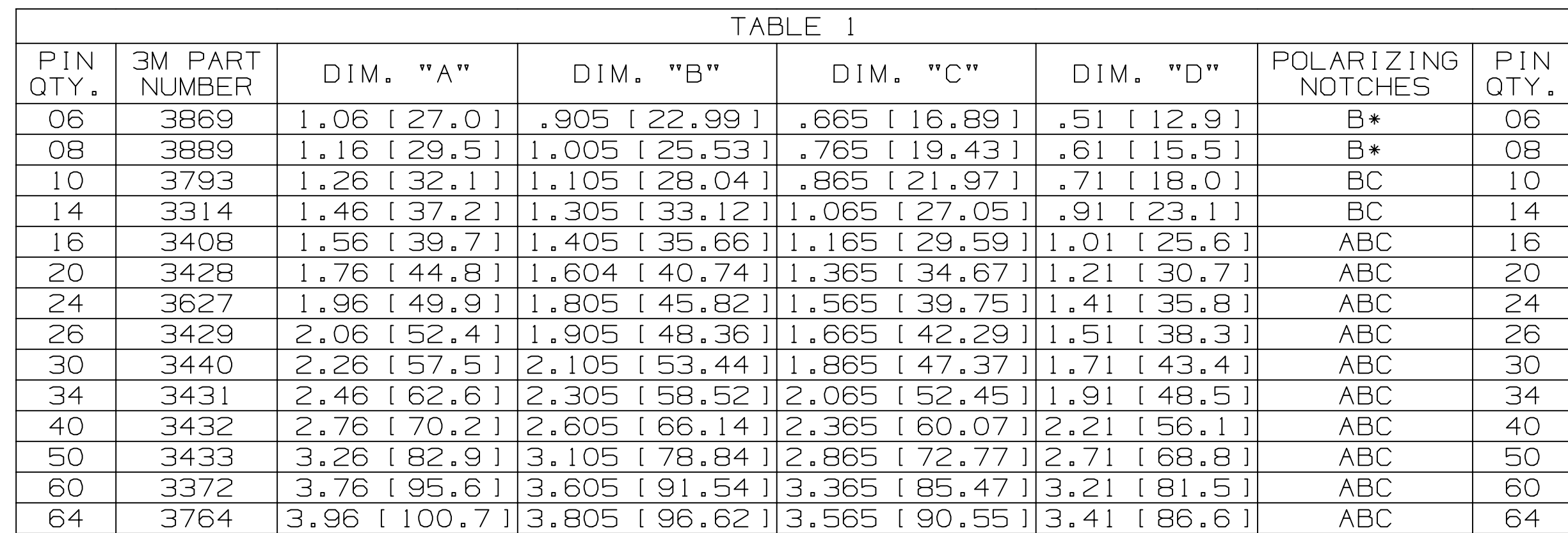
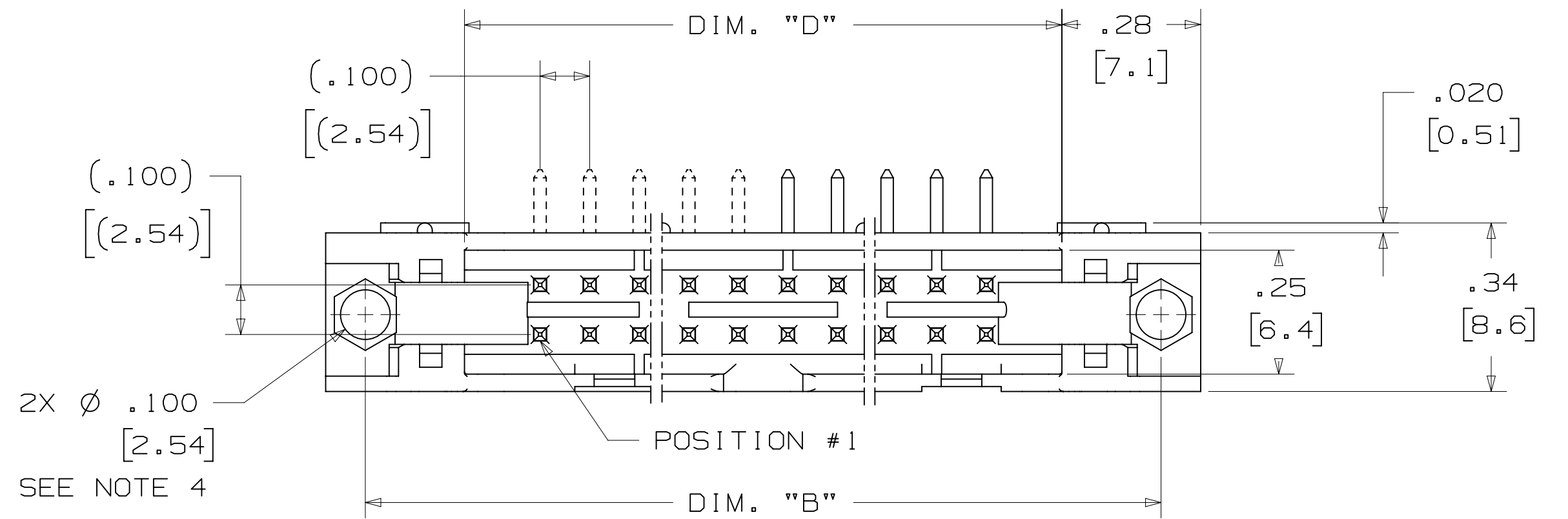
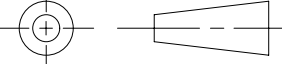


TABLE 2						
3M PART NUMBER SUFFIX	CONTACT TAIL	DIM. "E"	PIN CROSS SECTION			DIM. "G"
-5XX2	.062 [1.57] THICK PC BOARD	.112 [2.84]	DIM. "F"	DIAGONALS	CORNER RADIUS	.035+/- .003 [.89] SEE NOTE 5
-6XX2			.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	
-5X03	.094 [2.39] TO .125 [3.18] THICK PC BOARD	.155 [3.94]	.0245+/- .0005 [.622]	.028+/- .001 [.71]	.0075 REF. [.191]	.035+/- .003 [.89]
-6X03						

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION				DRFT		CHKD			
ACCORDS				BPN		CASTIGLIONE		DATE		MFG		DATE					
								JUL 25, 2014									
				CHKD				DATE		APPRV		DATE		SEP 05, 2014			
										R. SCHERER							
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2015									
Interconnect Solutions				EMSD				3M Center St. Paul, MN 55144		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				TITLE HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA									
		INCHES															
		.0 .00 ± .01 .000 ± .005 .0000 ±															
THIRD ANGLE PROJECTION				MILLIMETERS		.0 .00 ± .3 .00 ± .13 .000 ±		CAGE NUMBER		SIZE		DRAWING NO.		REV.			
INTERPRET PER ASME Y14.5 - 2009								D		78-5100-0772-3		S					
~~MARK SURFACE ROUGHNESS~~		~~UNMARKED SURFACES~~		MARKED ONLY		MODEL		3000 SERIES		DET. LISTS		YES ☒ NO ☒		SHT 2 OF 4			

.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE



 (.03)

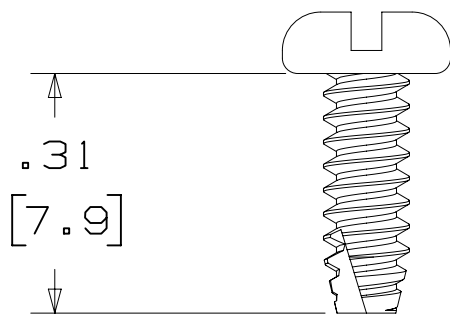
 [(.0.8)]

 TYP.

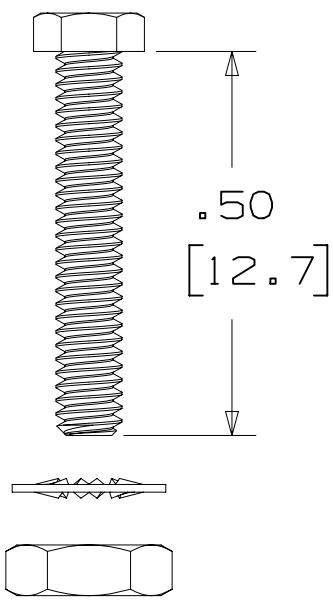
S	60056	MAR 06,2015	JNC	RS	
R	56068	JUL 25,2014	JNC	RS	
		REVISED AND REDRAWN			
REVISIONS		DATE	BY	CHKD	
REV		ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
JST		CUST	GLIONE	JUL 25,2014	
		DATE	MFG	DATE	
			R. SCHERER	SEP 05,2014	
DIVISION		DIVISION CODE	© 3M COPYRIGHT 2015		
Interconnect Solutions		EMSD	3M Center St. Paul, MN 55144		
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SCALE 4/1		INCHES		TITLE	
		.0 ± .01 .000 ± .005 .0000 ± .0001		HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA	
THIRD ANGLE PROJECTION		MILLIMETERS 0 ± .0 ± .3 .000 ± .13 .000 ± .0001		CAGE NUMBER SIZE DRAWING NO. D 78-5100-0772-3 S	
INTERPRET PER ASME Y14.5 - 2009		ANGLES ±		REV. F	
MAX SURFACE ROUGHNESS		UNLESS OTHERWISE SPECIFIED		DET. LISTS YES YES NO SHIT 3 OF 4	
✓ UNFINISHED SURFACES MARKED ONLY					

3M™ FOUR-WALL HEADER, 3000 SERIES
.100" X .100" LATCH/EJECTOR, STRAIGHT AND RIGHT ANGLE

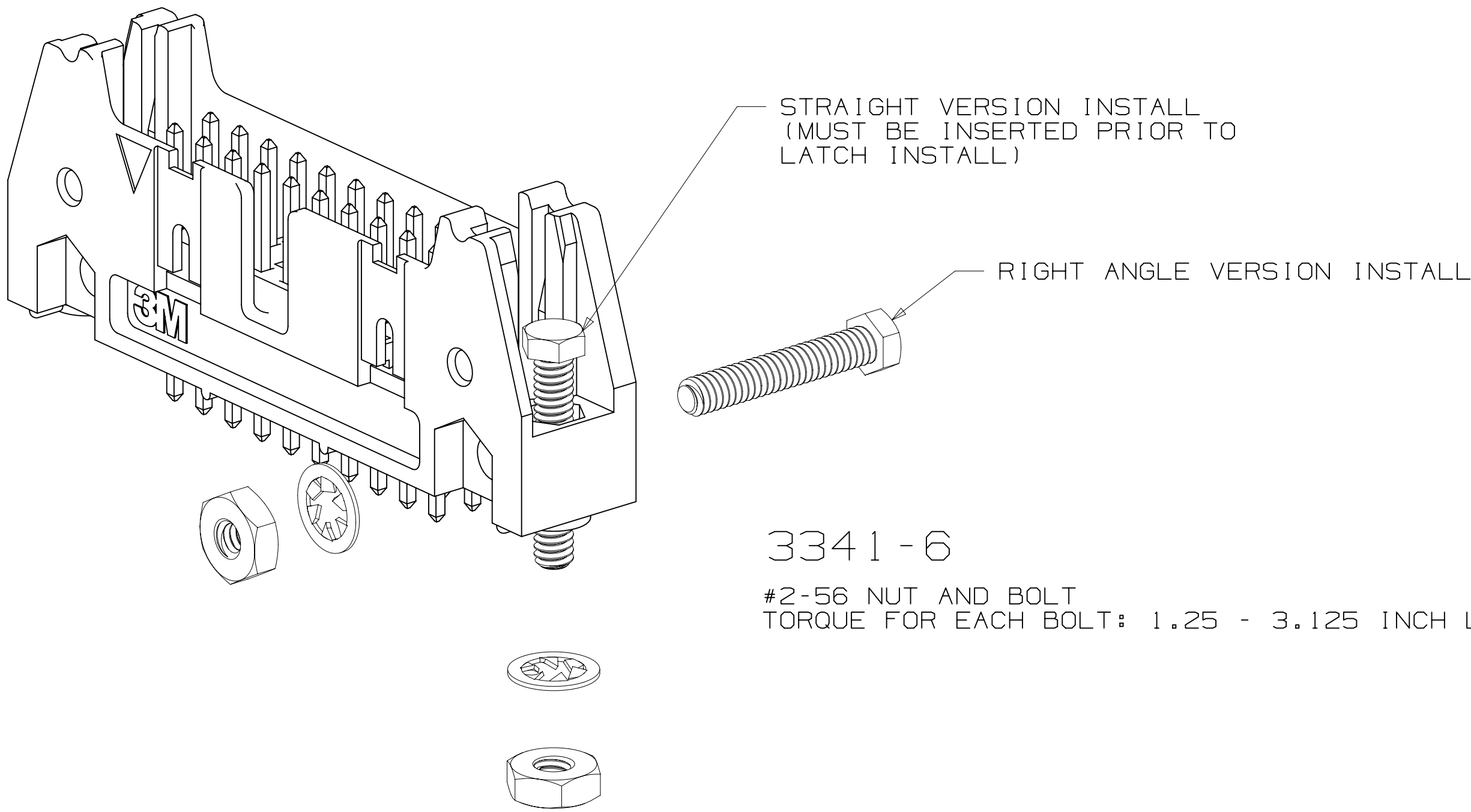
MOUNTING HARDWARE



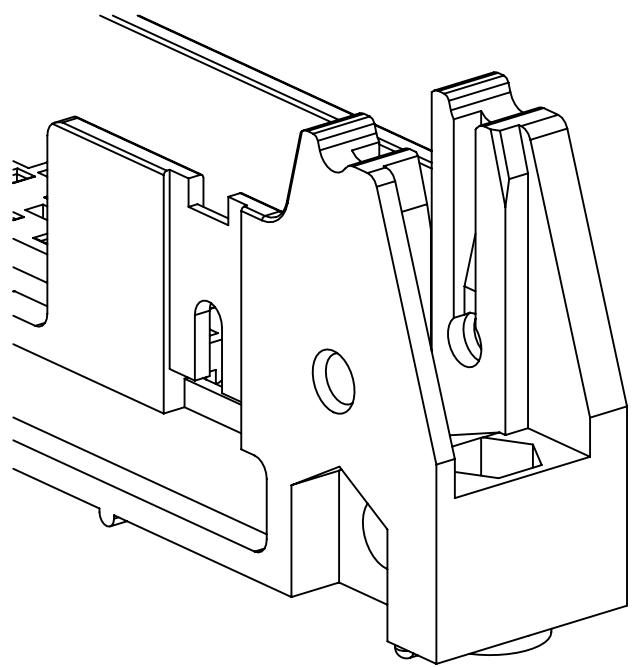
3341-5
(INSTALL FROM BOTTOM OF BOARD)
PANHEAD THREAD CUTTING SCREW:
#4-24 X 5/16"
TYPE: USA STD BT, FEDERAL BG
MATERIAL: STAINLESS STEEL



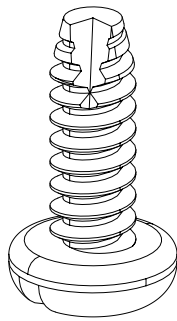
3341-6
HEX HEAD BOLT, NUT AND WASHER:
BOLT - #2-56 X 1/2"
MATERIAL: STAINLESS STEEL



3341-6
#2-56 NUT AND BOLT
TORQUE FOR EACH BOLT: 1.25 - 3.125 INCH LBS.



#4-24 TYPE BT SELF THREADING SCREW
WHEN USING LATCHES, MAXIMUM LENGTH
OF SCREW IS .250 INCHES PLUS
THICKNESS OF THE BOARD.
TORQUE FOR EACH SCREW IS 3-5 INCH LBS.



3341-5

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
XREF		DPR		DATE		MFG		DATE	
CODES		CASTIGLIONE		JUL 25, 2014		R. SCHERER		SEP 05, 2014	
DIVISION		DIVISION CODE		DATE		DATE		DATE	
Interconnect Solutions		EMSD		3M Center		St. Paul, MN 55144		© 3M COPYRIGHT 2015	
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
TITLE		CAGE NUMBER		SIZE		DRAWING NO.		REV.	
HEADER, 4-WALL, .100 X .100 LATCH/EJECTOR, STRAIGHT & RA		D 78-5100-0772-3		S		SHT 4 OF 4			
MODEL		3000 SERIES		DET		YES		NO	