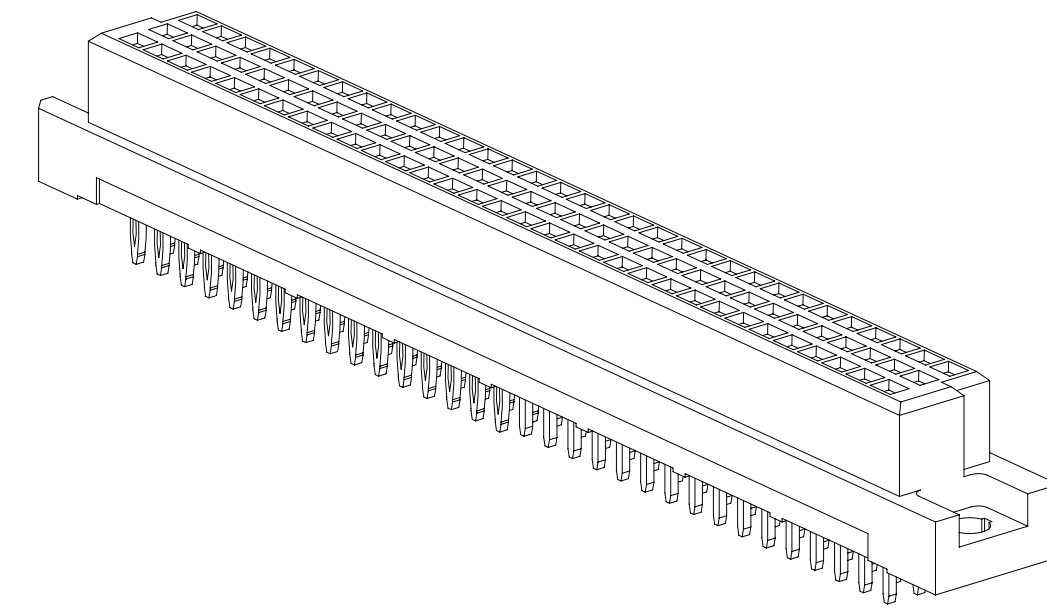
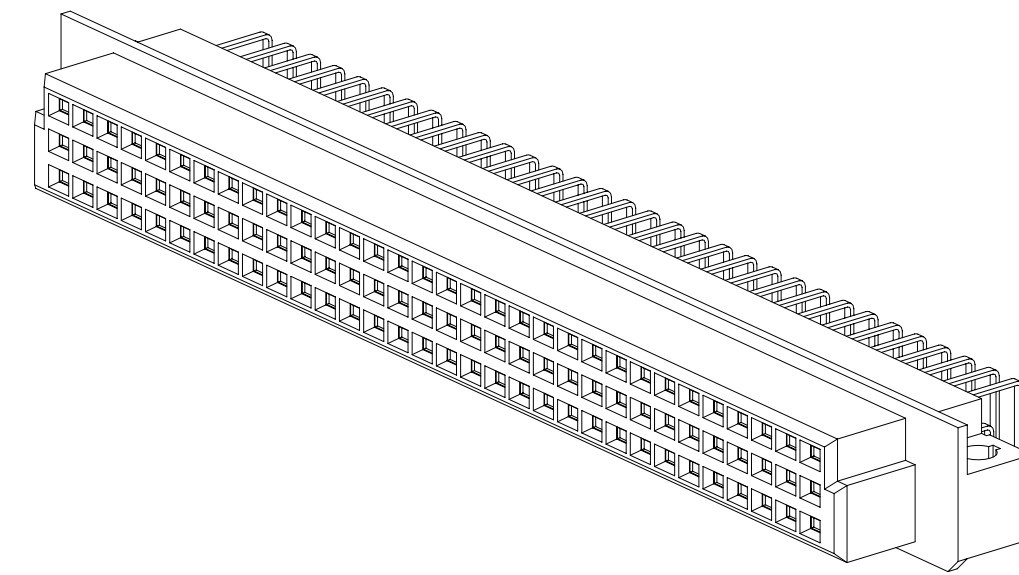


3M™ DIN C-FORM & R-FORM SOCKET, DIN 41612 SERIES

VERTICAL, RIGHT ANGLE, SOLDER TAIL OR PRESS-FIT TERMINATION



DIN-XXXCSX-XXX
VERTICAL VERSION



DIN-XXXRSX-XXX
RIGHT ANGLE VERSION

2 PHYSICAL :

INSULATOR: GLASS FILLED POLYESTER (PBT)
 MATERIAL: UL94V-0
 FLAMMABILITY: UL94V-0
 COLOR: GRAY
 CONTACT: COPPER ALLOY
 MATERIAL: COPPER ALLOY
 PLATING: 50μ" MIN. NICKEL
 UNDER PLATING: SEE ORDERING INFORMATION
 WIPING AREA: SEE ORDERING INFORMATION
 TERMINATION AREA: SEE ORDERING INFORMATION

2 ELECTRICAL :

CURRENT RATING: 3.0A AT 30°C T-RISE ABOVE AMBIENT
 CONTACT RESISTANCE: ≤20mΩ
 INSULATION RESISTANCE: ≥1,000 MΩ, 100 V_{DC}
 WITHSTANDING VOLTAGE: 1,000V_{AC} FOR 1 MINUTE

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 125°C
 PROCESS TEMPERATURE RATING: MAX. INSULATOR TEMPERATURE 191°C
 (SOLDER WAVE PROCESS ONLY)

- NOTES
- REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION.
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
 INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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 INFORMATION CALL 800-225-5373

MM [INCH]			
TOLERANCE - UNLESS NOTED			
	X.	.X	.XX
MM	±.50	±.25	±.15
[INCH]	±.020	±.010	±.006
[] = DIM. FOR REFERENCE ONLY			

RU
 UL FILE NO: E68080

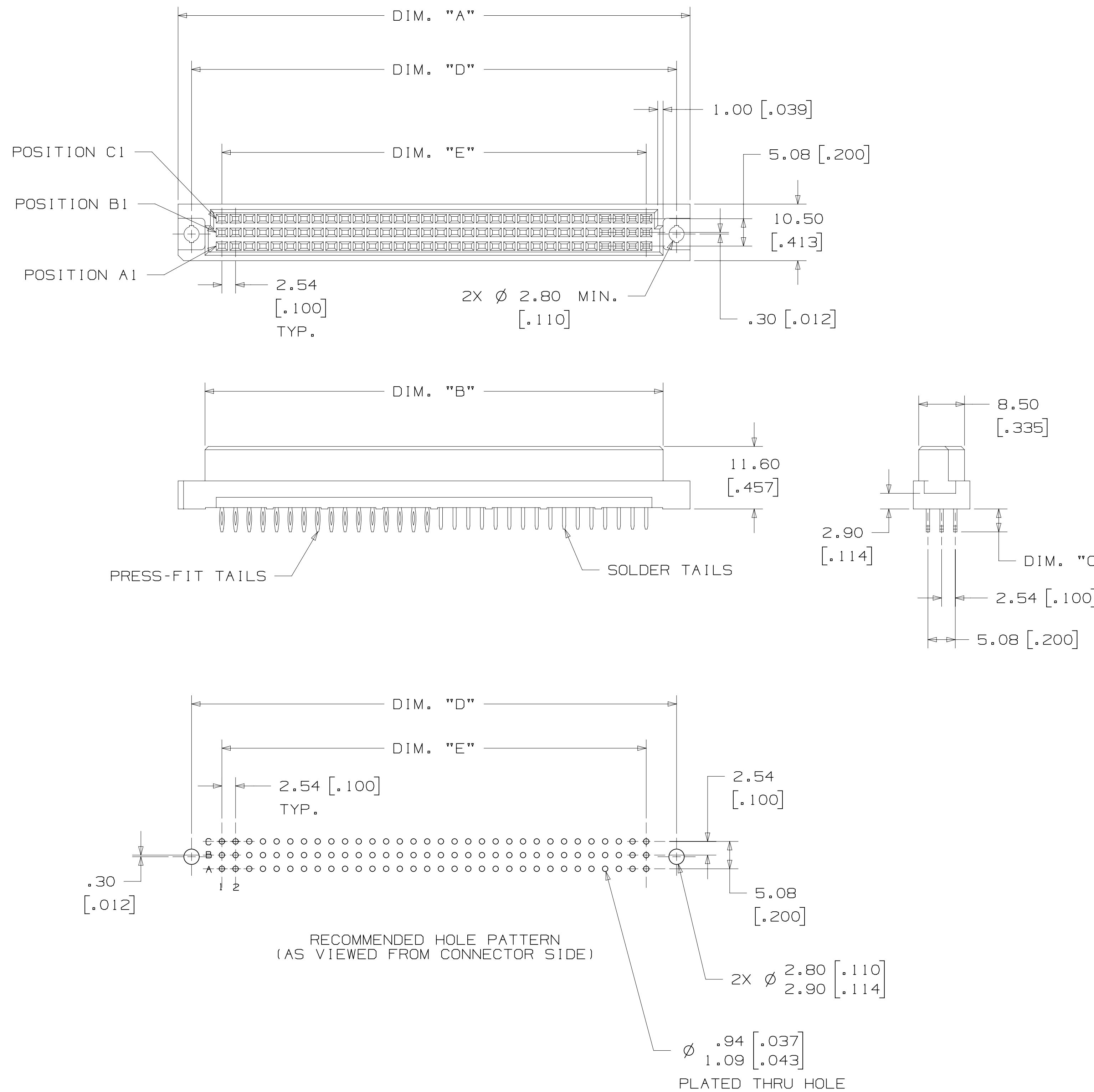
DIMENSIONS: MM [INCHES]
 [INCHES] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				FEB 24, 2017 PRODUCTION RELEASE	JNC	WL
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DIVISION		DIVISION CODE		© 3M COPYRIGHT 2017 3M Center St. Paul, MN 55144		
DO NOT SCALE DRAWING		SCALE	TOLERANCES EXCEPT AS NOTED	TITLE DIN C & R-FORM SKT, RA, VERT, SOLDER TAIL OR PRESS-FIT		
THIRD ANGLE PROJECTION		1	INCHES	CAGE NUMBER D 78-5100-2670-7		
INTERPRET PER ASME Y14.5 - 2009			MILLIMETERS	DRAWING NO. 78-5100-2670-7		
MAX SURFACE ROUGHNESS			0	REV. A		
LIT SURFACES			0	MODEL SHT 1 OF 4		
MARKED ONLY			0			

78-5100-2670-7
 DRAWING NUMBER
 A
 REVISION
 A.2 2/24/2017 10:32 AM UTC-06:00

3M™ DIN C-FORM & R-FORM SOCKET, DIN 41612 SERIES

VERTICAL, RIGHT ANGLE, SOLDER TAIL OR PRESS-FIT TERMINATION



CONTACT QTY.	PART NUMBER	DIM. "A"	DIM. "B"	DIM. "D"	DIM. "E"	CONTACT QTY.
16	DIN-016CSA-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	16
32	DIN-032CSB-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	32
48	DIN-048CSC-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	48
32	DIN-032CSD-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	32
16	DIN-016CSE-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	16
32	DIN-032CSA-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	32
64	DIN-064CSB-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	64
96	DIN-096CSC-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	96
64	DIN-064CSD-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	64
32	DIN-032CSE-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	32

ORDERING INFORMATION C-FORM VERSION

DIN-XXXCSX-XXX-XX

CONTACT QUANTITY:
(SEE TABLE 1)

A = A ROW ONLY (SEE NOTE)
B = ROWS A & C FILLED
C = ROWS A, B & C FILLED
D = ROWS A & B FILLED
E = B ROW ONLY (SEE NOTE)

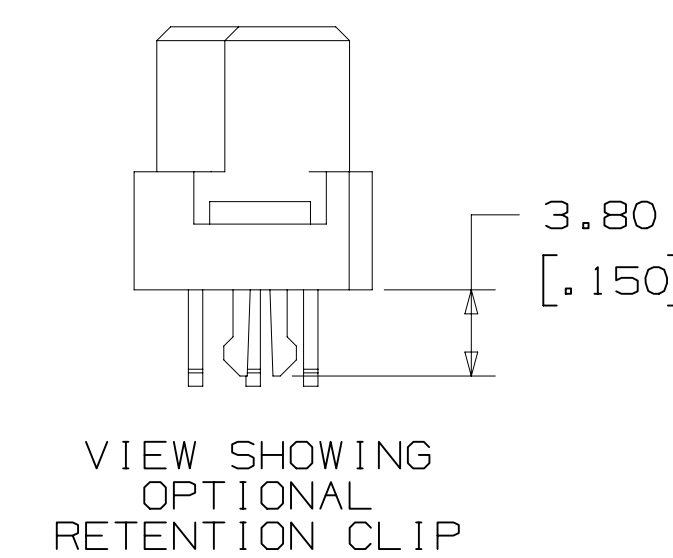
TERMINATION OPTIONS:
SEE TABLE 2

PLATING:

SH = 1-3μ" GOLD ON CONTACT AREA
120-200μ" MATTE TIN ON TERMINAL
FJ = 10-20μ" GOLD ON CONTACT AREA
120-200μ" MATTE TIN ON TERMINAL
KR = 30-40μ" GOLD ON CONTACT AREA
120-200μ" MATTE TIN ON TERMINAL
HM = 3μ" GOLD ON CONTACT AREA, 7μ" MIN. PdNi
120-200μ" MATTE TIN ON TERMINAL
KV = 30μ" GOLD ON CONTACT AREA, 1-3μ" GOLD ON BOARD TERMINATION

NOTE:
1) A AND E OPTIONS ARE CURRENTLY NOT COVERED IN UL FILE NO. E68080.
2) MATES WITH C-FORM AND R-FORM PLUGS.

SOLDER TERMINATION OPTION NO.	DIM. "C"	COMMENTS
R1L	3.75 [.148]	WITH RETENTION CLIP
R3L	2.29 [.090]	WITH RETENTION CLIP
S1L	3.75 [.148]	NO RETENTION CLIP
S3L	2.29 [.090]	NO RETENTION CLIP
W	14.70 [.579]	NO RETENTION CLIP
PRESS-FIT TERMINATION OPTION NO.	DIM. "C"	COMMENTS
PS	5.99 [.236]	
PSL	4.25 [.167]	
PW1	12.90 [.508]	

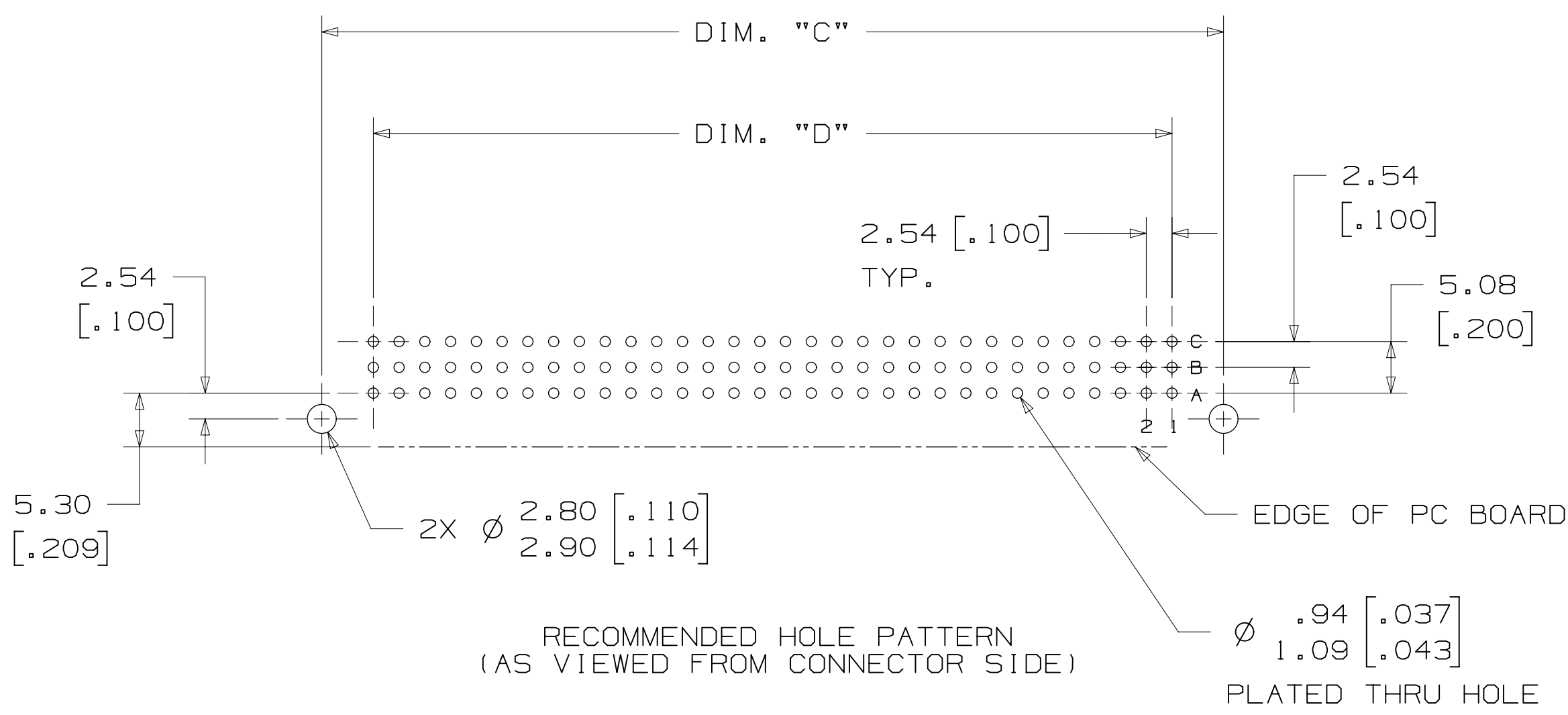
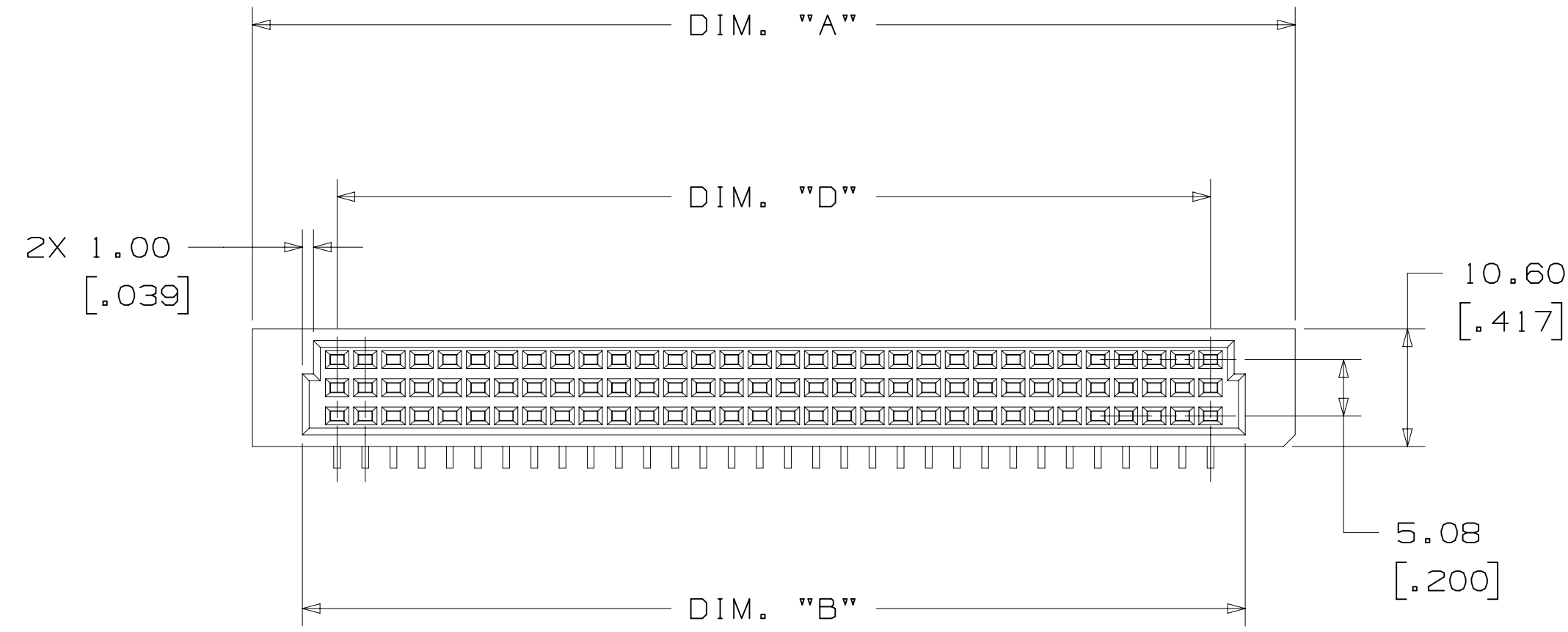
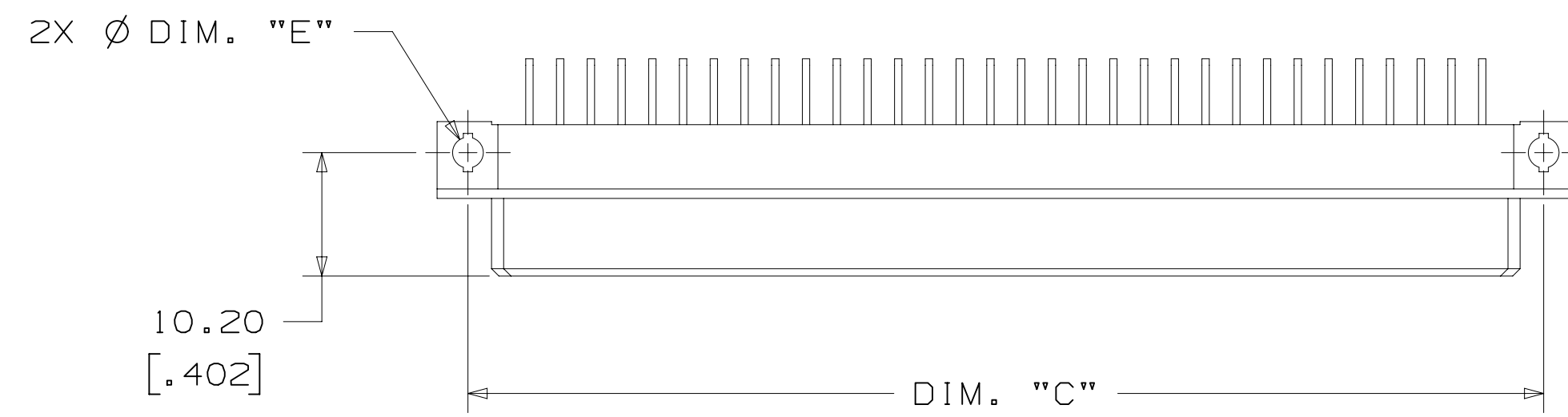


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				FEB 20, 2017		
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED		INCHES		
THIRD ANGLE PROJECTION		MILLIMETERS		DATE		
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		CAGE NUMBER		
DTX SURFACES		MARKED ONLY		DRAWING NO.		
				D 78-5100-2670-7		
				REV. A		
				SHT 2 OF 4		

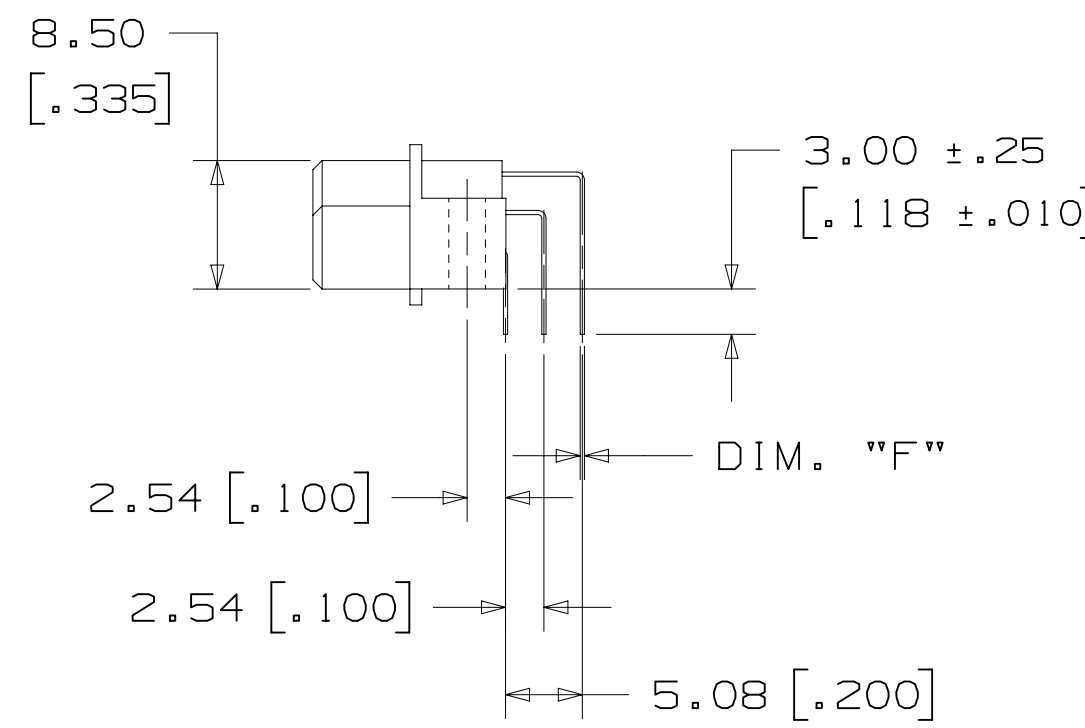
78-5100-2670-7
DRAWING NUMBER
REV. A
DATE FEB 20, 2017
MFG DATE
APPR. W. LEE
DATE FEB 20, 2017
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3M™ DIN C-FORM & R-FORM SOCKET, DIN 41612 SERIES

VERTICAL, RIGHT ANGLE, SOLDER TAIL OR PRESS-FIT TERMINATION



CONTACT QTY.	PART NUMBER	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"	CONTACT QTY.
16	DIN-016RSA-XXX-XXXX	53.40 [2.102]	44.40 [1.748]	48.26 [1.900]	38.10 [1.500]	Ø2.60 [.102]	.25 [.010]	16
32	DIN-032RSB-XXX-XXXX	53.40 [2.102]	44.40 [1.748]	48.26 [1.900]	38.10 [1.500]	Ø2.60 [.102]	.25 [.010]	32
48	DIN-048RSC-XXX-XXXX	53.40 [2.102]	44.40 [1.748]	48.26 [1.900]	38.10 [1.500]	Ø2.60 [.102]	.25 [.010]	48
32	DIN-032RSD-XXX-XXXX	53.40 [2.102]	44.40 [1.748]	48.26 [1.900]	38.10 [1.500]	Ø2.60 [.102]	.25 [.010]	32
16	DIN-016RSE-XXX-XXXX	53.40 [2.102]	44.40 [1.748]	48.26 [1.900]	38.10 [1.500]	Ø2.60 [.102]	.25 [.010]	16
32	DIN-032RSA-XXX-XXXX	94.00 [3.701]	85.00 [3.346]	88.90 [3.500]	78.74 [3.100]	Ø2.60 [.102]	.25 [.010]	32
64	DIN-064RSB-XXX-XXXX	94.00 [3.701]	85.00 [3.346]	88.90 [3.500]	78.74 [3.100]	Ø2.60 [.102]	.25 [.010]	64
96	DIN-096RSC-XXX-XXXX	94.00 [3.701]	85.00 [3.346]	88.90 [3.500]	78.74 [3.100]	Ø2.60 [.102]	.25 [.010]	96
64	DIN-064RSD-XXX-XXXX	94.00 [3.701]	85.00 [3.346]	88.90 [3.500]	78.74 [3.100]	Ø2.60 [.102]	.25 [.010]	64
32	DIN-032RSE-XXX-XXXX	94.00 [3.701]	85.00 [3.346]	88.90 [3.500]	78.74 [3.100]	Ø2.60 [.102]	.25 [.010]	32
40	DIN-040RSA-XXX-XXXX	114.32 [4.501]	105.32 [4.146]	109.22 [4.300]	99.06 [3.900]	Ø2.80 [.110]	.60 [.024]	40
80	DIN-080RSB-XXX-XXXX	114.32 [4.501]	105.32 [4.146]	109.22 [4.300]	99.06 [3.900]	Ø2.80 [.110]	.60 [.024]	80
120	DIN-120RSC-XXX-XXXX	114.32 [4.501]	105.32 [4.146]	109.22 [4.300]	99.06 [3.900]	Ø2.80 [.110]	.60 [.024]	120
80	DIN-080RSD-XXX-XXXX	114.32 [4.501]	105.32 [4.146]	109.22 [4.300]	99.06 [3.900]	Ø2.80 [.110]	.60 [.024]	80
40	DIN-040RSE-XXX-XXXX	114.32 [4.501]	105.32 [4.146]	109.22 [4.300]	99.06 [3.900]	Ø2.80 [.110]	.60 [.024]	40



ORDERING INFORMATION R-FORM VERSION

DIN-XXXRSX-XXX-XX

CONTACT QUANTITY:
(SEE TABLE 1)

A = A ROW ONLY (SEE NOTE)
B = ROWS A & C FILLED
C = ROWS A, B & C FILLED
D = ROWS A & B FILLED
E = B ROW ONLY (SEE NOTE)

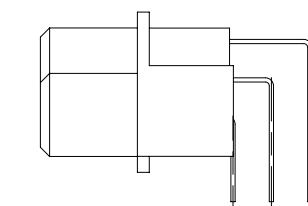
PLATING:

SH = 1-3µ" GOLD ON CONTACT AREA
120-200µ" MATTE TIN ON TERMINAL
FJ = 10-20µ" GOLD ON CONTACT AREA
120-200µ" MATTE TIN ON TERMINAL
KR = 30-40µ" GOLD ON CONTACT AREA
120-200µ" MATTE TIN ON TERMINAL
HM = 3µ" GOLD ON CONTACT AREA, 7µ" MIN. PdNi
120-200µ" MATTE TIN ON TERMINAL

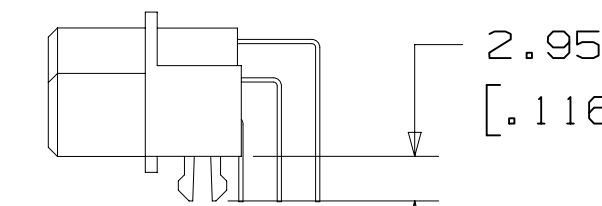
TERMINATION OPTIONS:

SR1 = 3.00 [.118]
RR1L = 3.00 [.118] WITH 'B' RETENTION CLIPS

NOTE:
1) A AND E OPTIONS ARE CURRENTLY NOT COVERED IN UL FILE NO. E68080.
2) MATES WITH C-FORM AND R-FORM PLUGS.



SR1
WITHOUT OPTIONAL
RETENTION CLIPS



RR1L
WITH "B" OPTIONAL RETENTION
CLIPS FOR .062 PCB THICKNESS

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				FEB 20,2017		
DIVISION	DIVISION CODE	DATE		DATE		
	EMSD	FEB 20,2017		FEB 20,2017		
DO NOT SCALE DRAWING	SCALE 2/1	TOLERANCES EXCEPT AS NOTED		INCHES		
THIRD ANGLE PROJECTION		MILLIMETERS		ANGLES		
INTERPRET PER ASME Y14.5 - 2009		MAX SURFACE ROUGHNESS		MARKED ONLY		
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
D78-5100-2670-7			A	SHT 3 OF 4		

3M™ DIN C-FORM & R-FORM SOCKET, DIN 41612 SERIES


VERTICAL, RIGHT ANGLE, SOLDER TAIL OR PRESS-FIT TERMINATION

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						FEB 24, 2017 PRODUCTION RELEASE		JNC	WL
APPROVED		DATE		MFG		DATE			
CASTIGLIONE		FEB 20, 2017				FEB 20, 2017			
CHKD		DATE		APPRV		DATE			
				W. LEE		FEB 20, 2017			
DIVISION		DIVISION CODE		 © 3M COPYRIGHT 2017 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 $\frac{2}{1}$		TOLERANCES EXCEPT AS NOTED INCHES .00 ± .000 ± .0000 ± MILLIMETERS 0 ± .00 ± .000 ± .000 ±					
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2009		CAGE NUMBER D 78-5100-2670-7 MODEL DET. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SHT 4 OF 4					
MAX SURFACE ROUGHNESS		SURFACES							
<input checked="" type="checkbox"/> MARKED ONLY		ANGLES							

78-5100-2670-7
 DRAWING NUMBER
 A REVISION
 A.2 2/24/2017 10:32 AM UTC-06:00