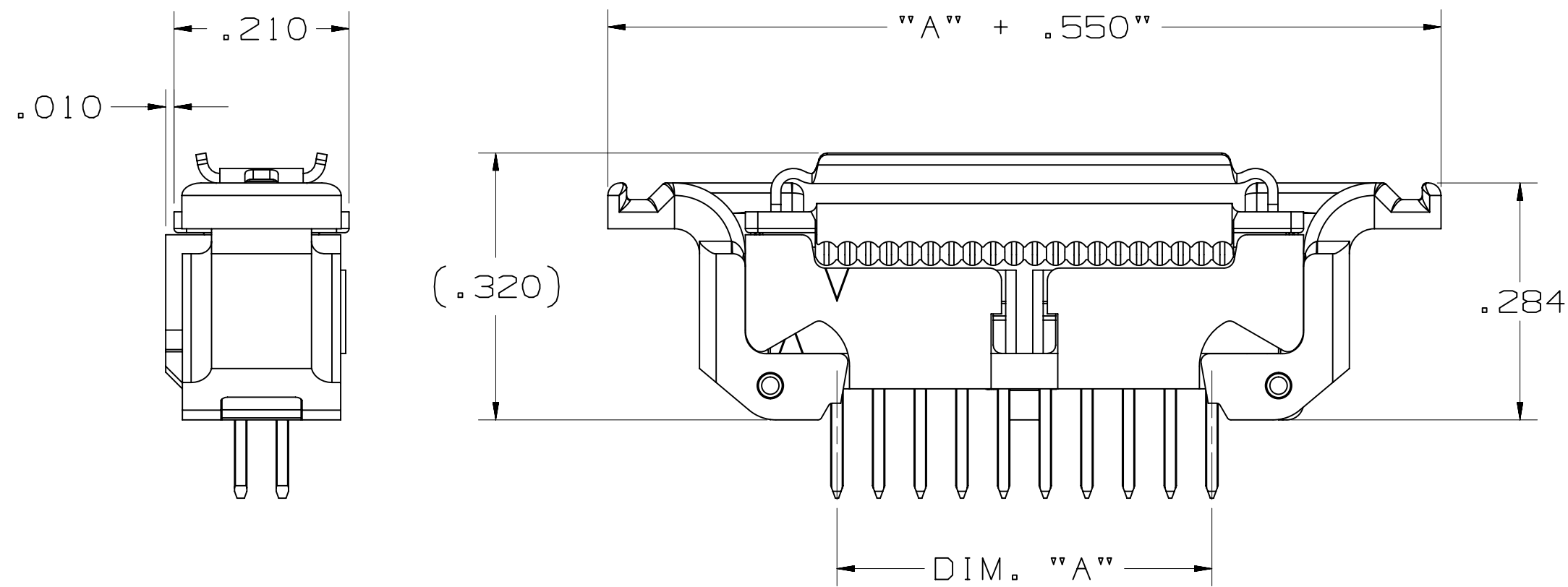
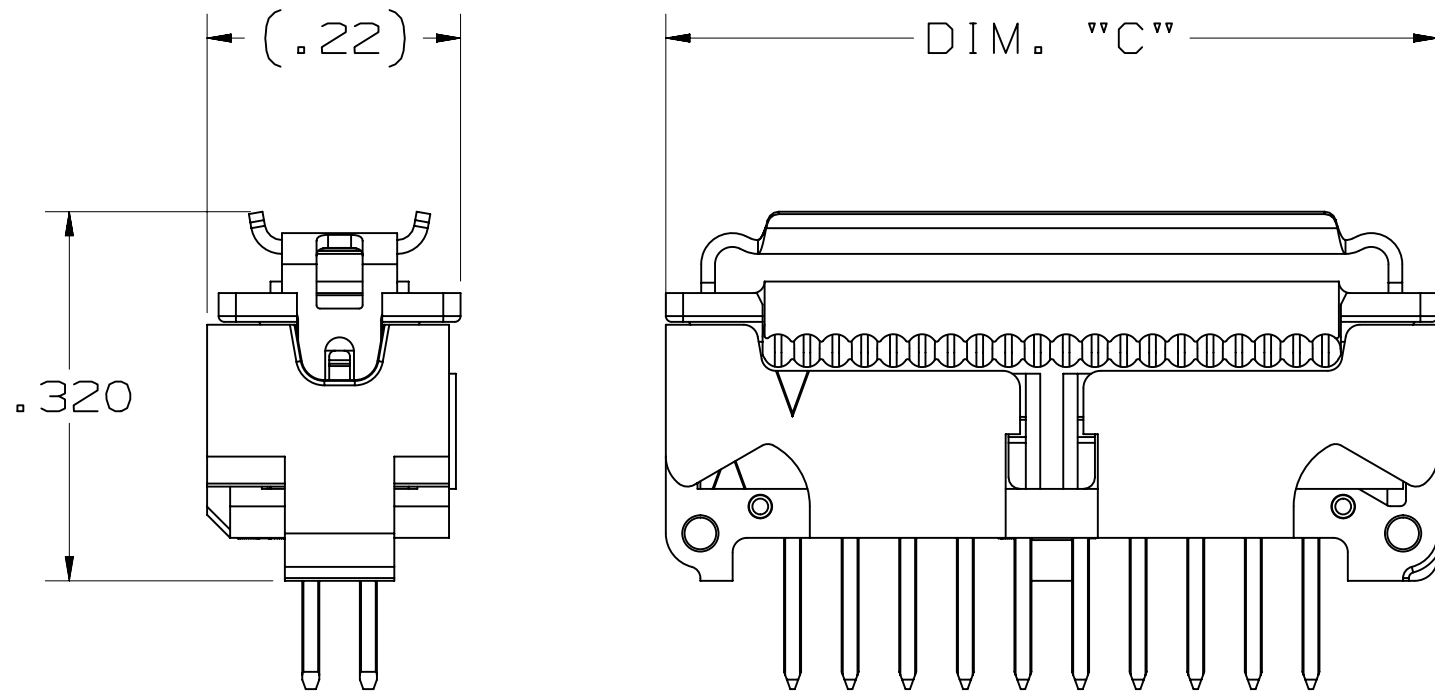


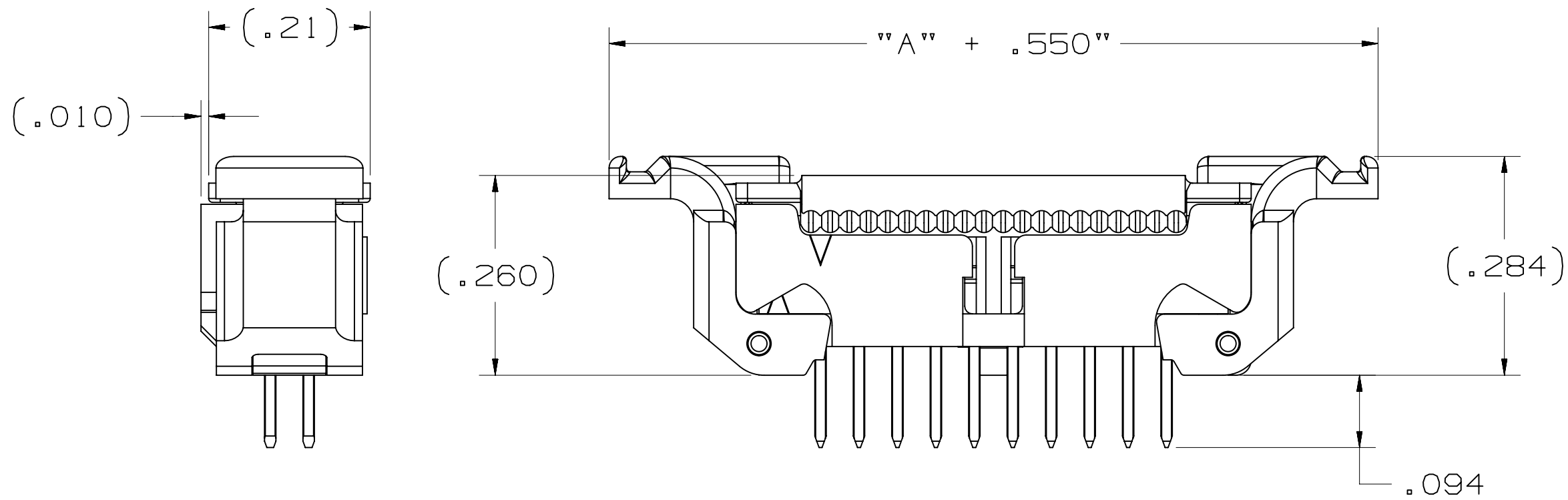
3MTH SHROUDED BOARDMOUNT HEADER, .05" X .05" PITCH, LATCH AND EJECT, 452 SERIES



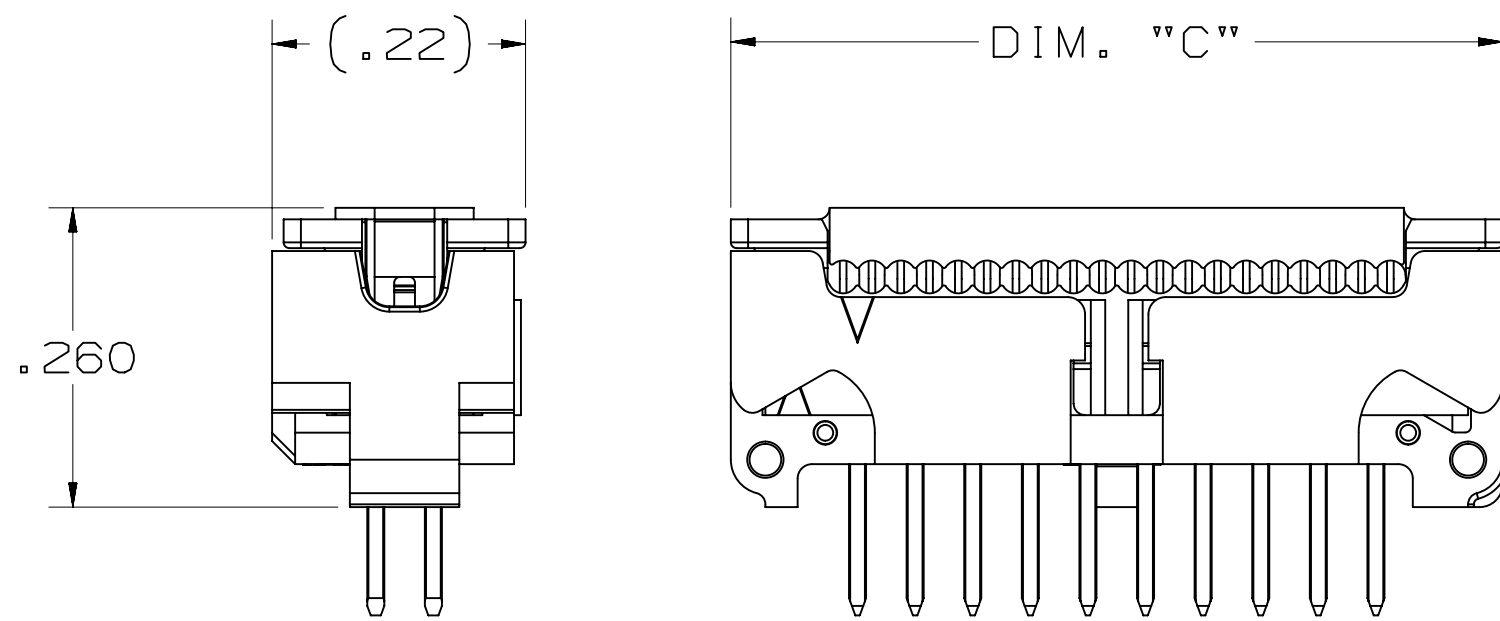
VERTICAL HEADER & SOCKET ASSEMBLY
WITH LOW PROFILE LATCHES & STRAIN RELIEF



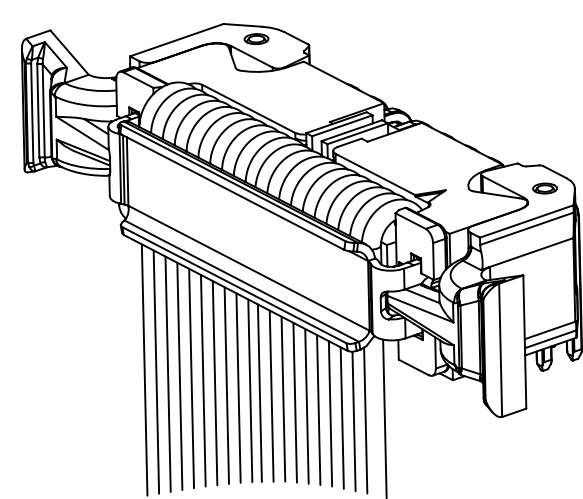
VERTICAL HEADER & SOCKET ASSEMBLY
NO LATCHES WITH STRAIN RELIEF



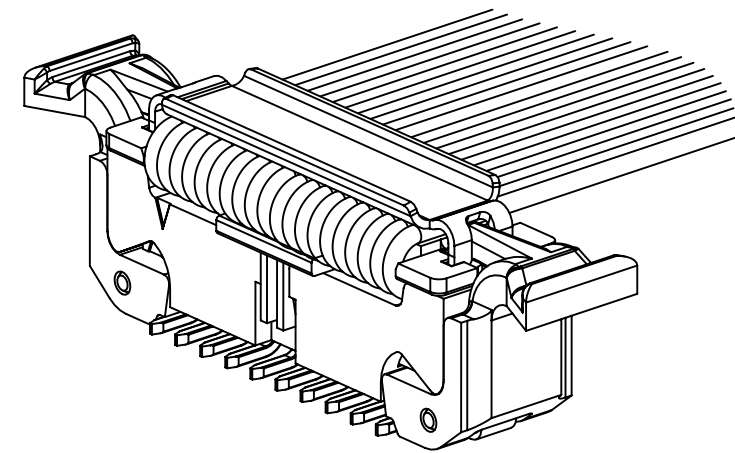
VERTICAL HEADER & SOCKET ASSEMBLY
WITH LATCHES NO STRAIN RELIEF



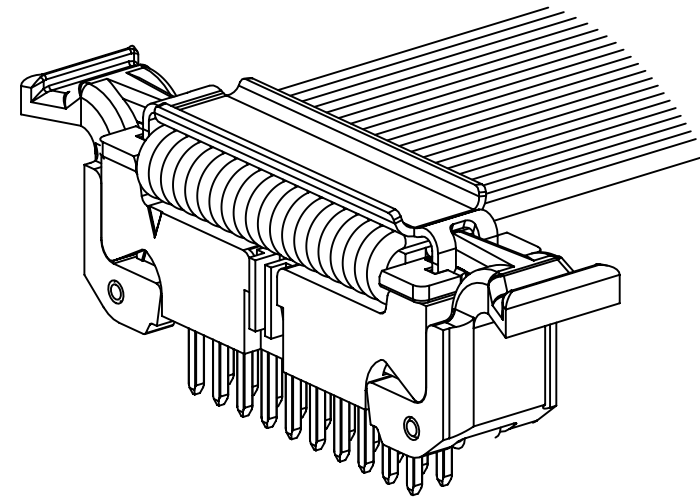
VERTICAL HEADER & SOCKET ASSEMBLY
NO LATCHES NO STRAIN RELIEF



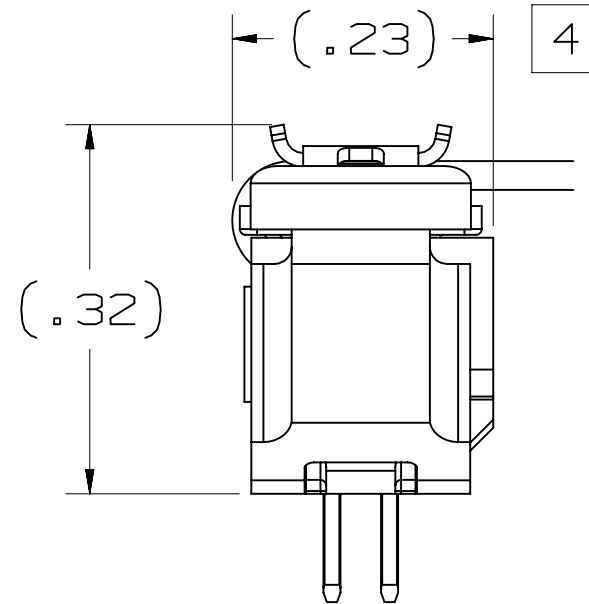
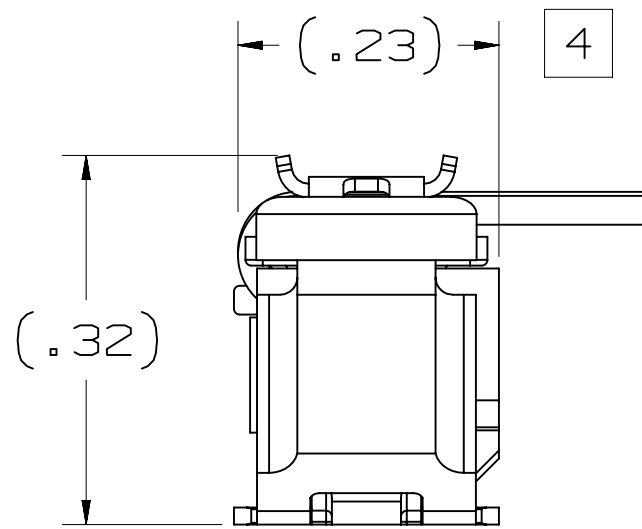
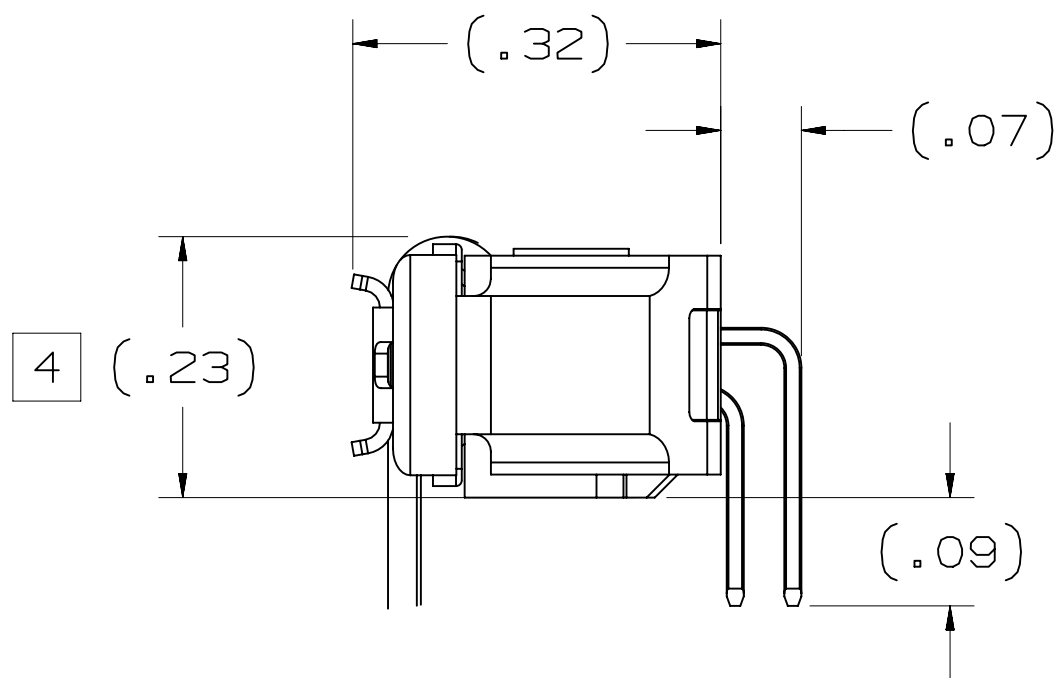
RA ASSEMBLY



SMT ASSEMBLY



VERTICAL ASSEMBLY



No. Positions	Dim "A"	Dim "C"
4	.050	.270
6	.100	.320
8	.150	.370
10	.200	.420
12	.250	.470
14	.300	.520
16	.350	.570
20	.450	.670
30	.700	.920

- NOTES
1. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 2. REGULATORY INFORMATION: ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY)
 3. OTHER PIN COUNTS AVAILABLE UPON REQUEST. CONTACT 3M.
 4. DIMENSIONS IS TAKEN FROM EDGE OF CABLE TO SIDE OF CONNECTOR.

3MTM ELECTRONIC SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ARM	ARM	FEB 11, 2011	MFG	DATE		
CHKD	DATE	APPRV	S. NEU	DATE	FEB 11, 2011	
DIVISION	Interconnect Solutions	DIVISION CODE	ISD	TOLERANCES EXCEPT AS NOTED		
DO NOT SCALE DRAWING	SCALE 6-1					
THIRD ANGLE PROJECTION						
INTERPRET PER ASME Y14.5 - 1994						
MAX SURFACE ROUGHNESS						
MARKED ONLY						
MODEL	452					
CAGE NUMBER	D78-5100-2396-9	SIZE		DRAWING NO.		REV.
LISTS	YES	NO		SHT	1 OF 1	

B	48635	JUL 12, 2013	JNC	SN
A	46797	MAR 25, 2013	JNC	SAN
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ARM	FEB 11, 2011	MFG	DATE	
CHKD	DATE	APPRV	S. NEU	DATE
FEB 11, 2011				

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MN 55144
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TITLE
CONNECTOR SYSTEM,
.05 X .05, MATED
DIMENSIONS