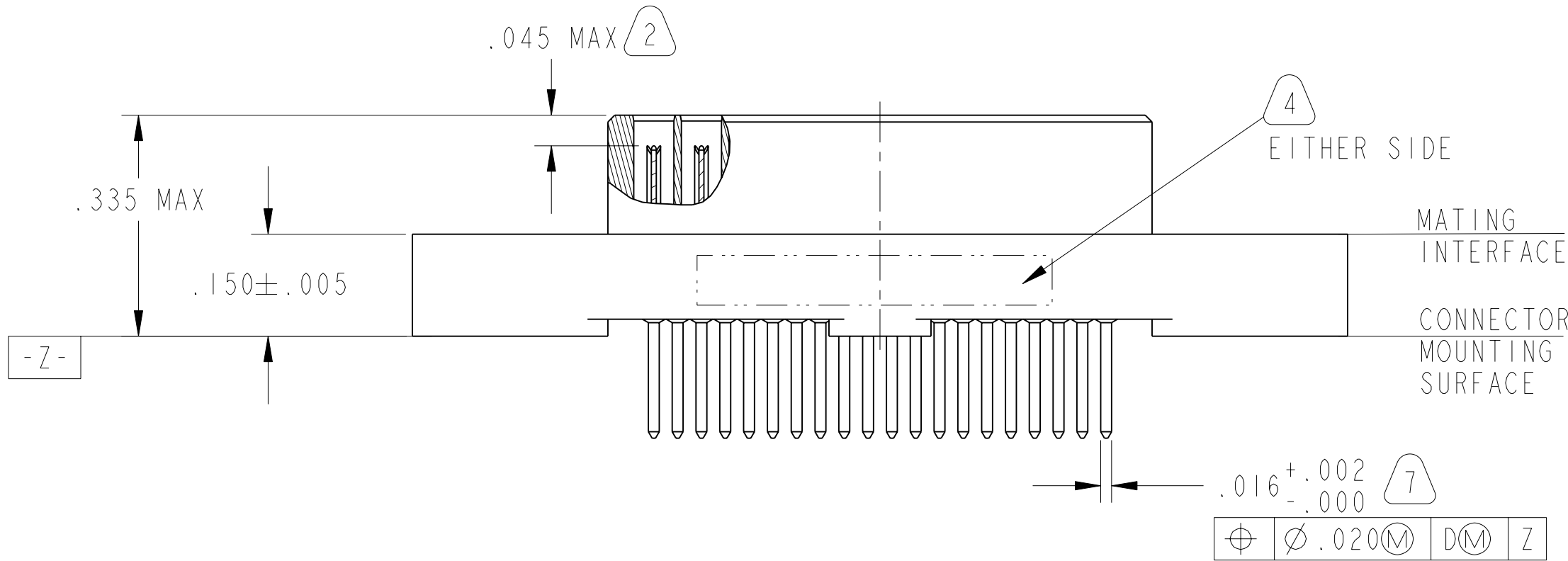
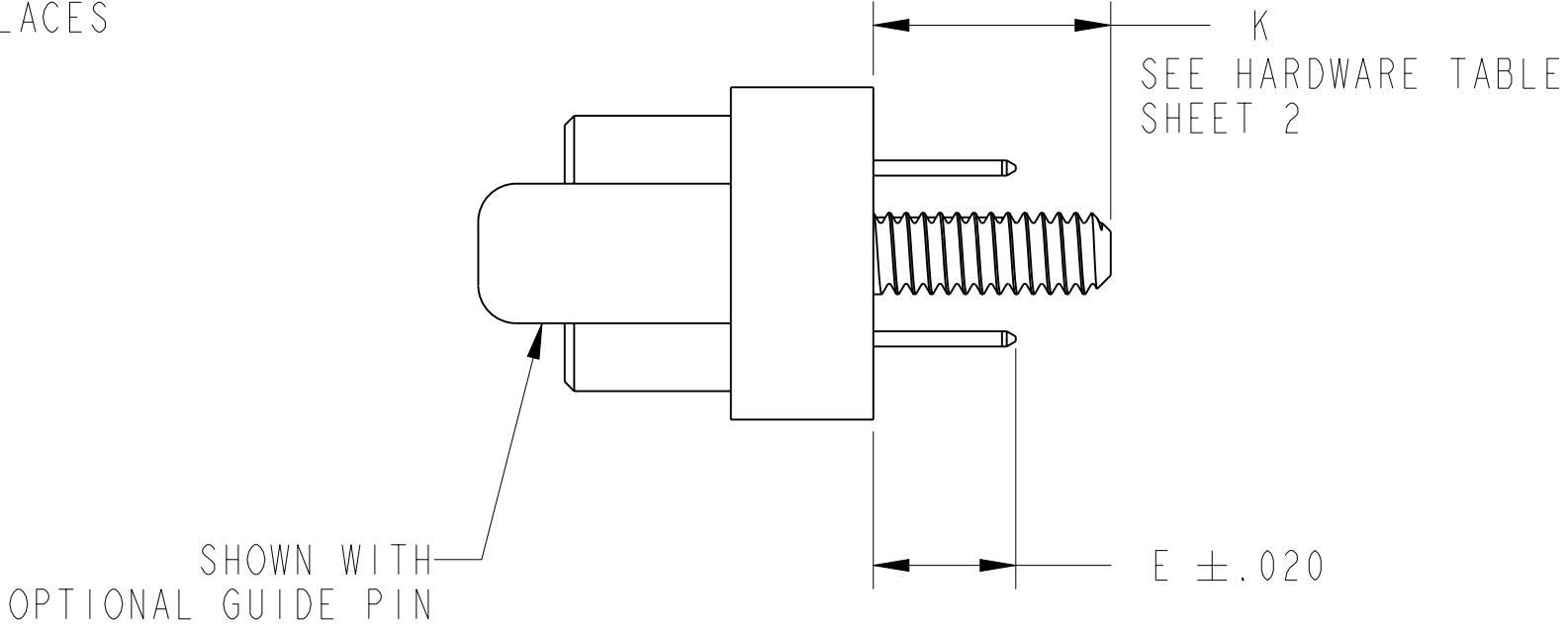
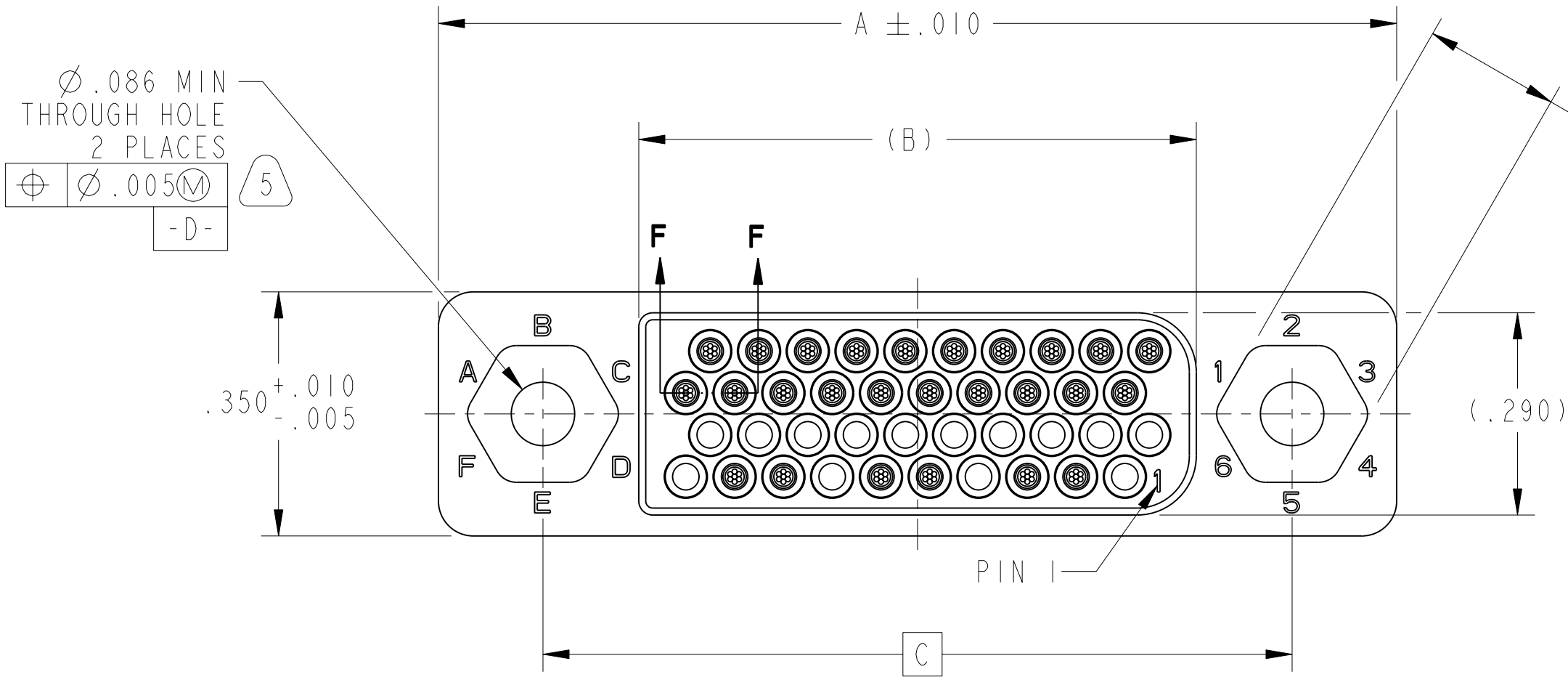


REV. A	DOCUMENT NO. HSB-M4-XXDXXXXX	SHEET 1 OF 5
REVISIONS		
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	11/15/2007



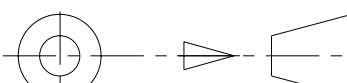
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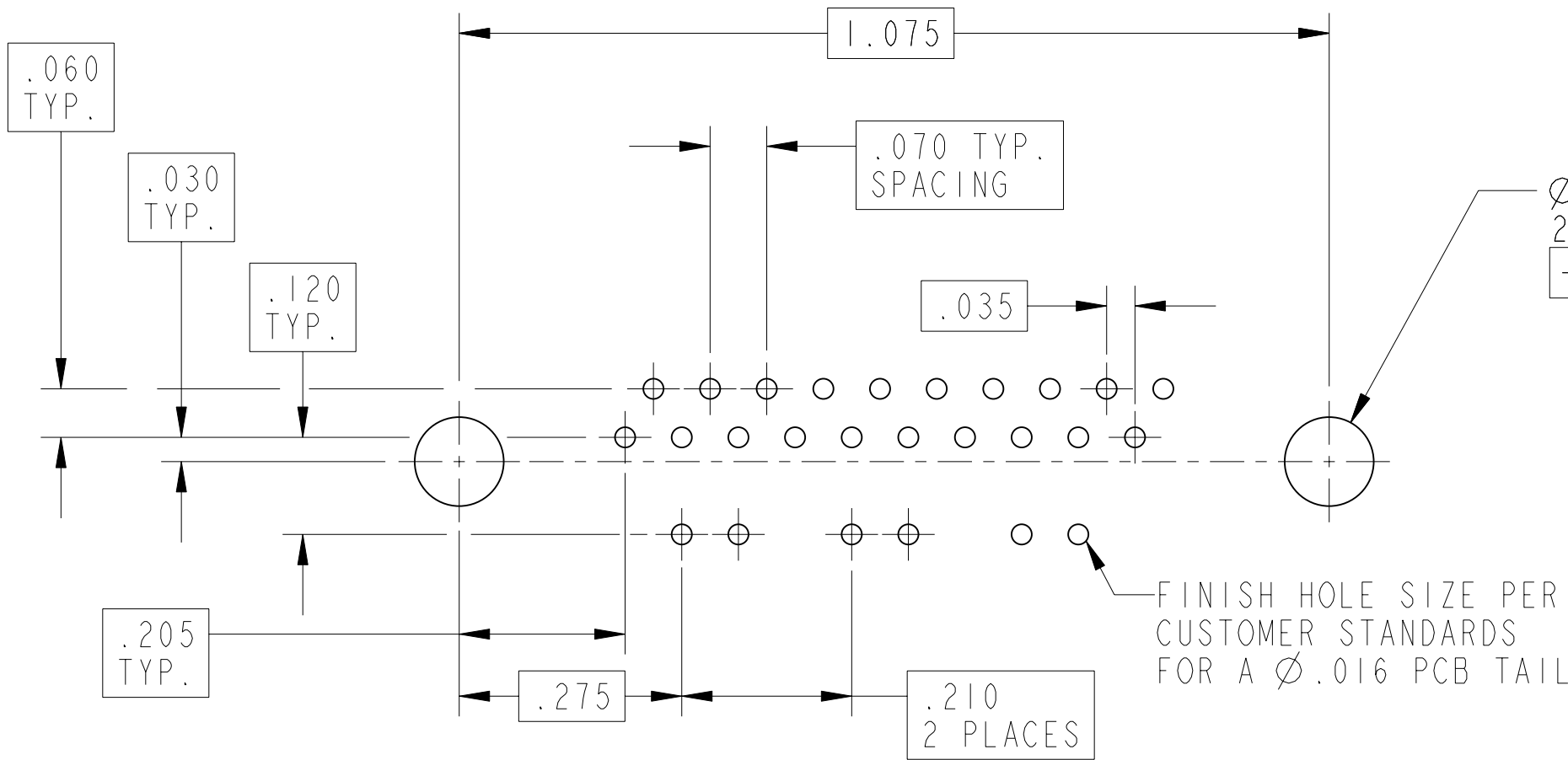
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NEXT ASSEMBLY

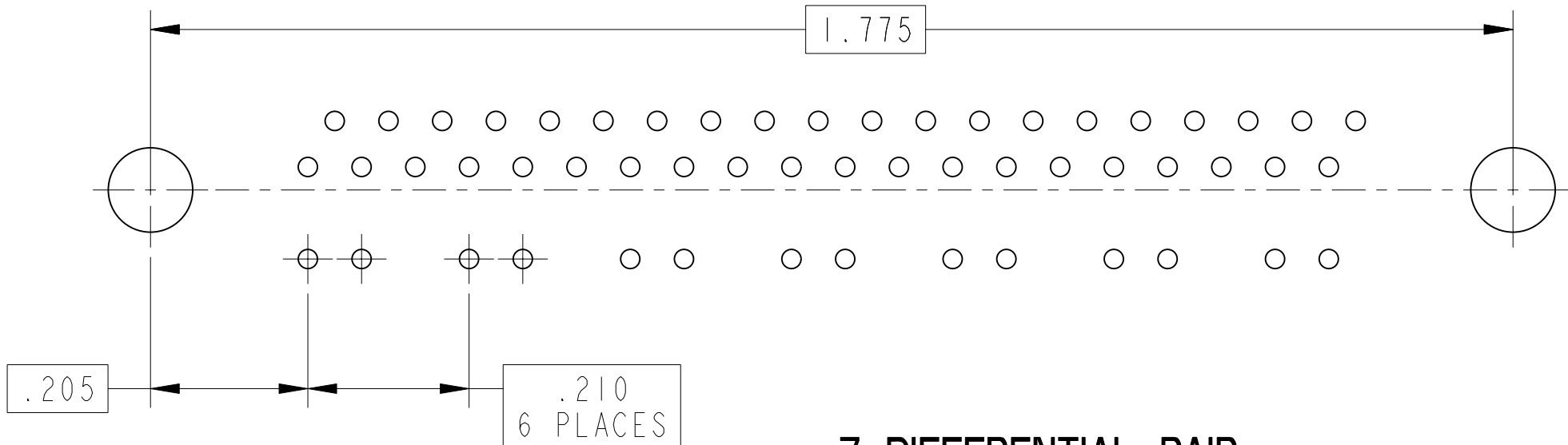
PRO/ENGINEER INFORMATION
Pro/e Model Used:
HSB-M4-XXDXXXXX.ASSEM
Drawing Name:
HSB-M4-XXDXXXXX

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE	
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1 ----- DIM. & TOL. PER ASME Y14.5M; DRM PER MIL-DTL-31000; OTHER Amphenol Sds. PER 9-3800 LEGENDS: -FLAG NOTE CALL OUT REFERENCE ONLY 		MATERIAL SPEC.		APPROVALS		DATE	AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838 3 DIFFERENTIAL PAIR W/ 20 BRUSH MOTHER BOARD CONNECTOR HSB3 SERIES		U
		N/A		PREPARED BY DMORSE		19-SEP-07			
				ENGINEER IN CHARGE BCHUBB					
				DESIGN MANAGER EHCHEY					
				DESIGN ACTIVITY GROUP BLP					
		PROCESS SPEC.		THIRD ANGLE PROJECTION					
		9-3895 9-3856-5				SIZE C CAGE CODE 77820 DOCUMENT NO. HSB-M4-XXDXXXXX		REV. A	
						SCALE: 5.0 HDB-M4-XXXXXXX REF.		SHEET 1 OF 5	

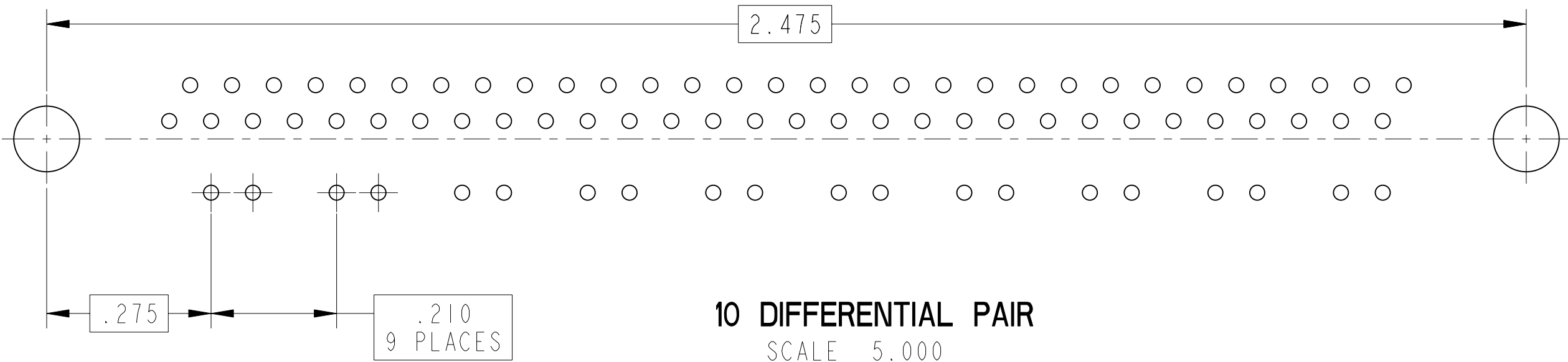
SUGGESTED MOTHER BOARD LAYOUT
FOR 3, 7, 10 AND 13 DIFFERENTIAL PAIR.
COMPONENT SIDE



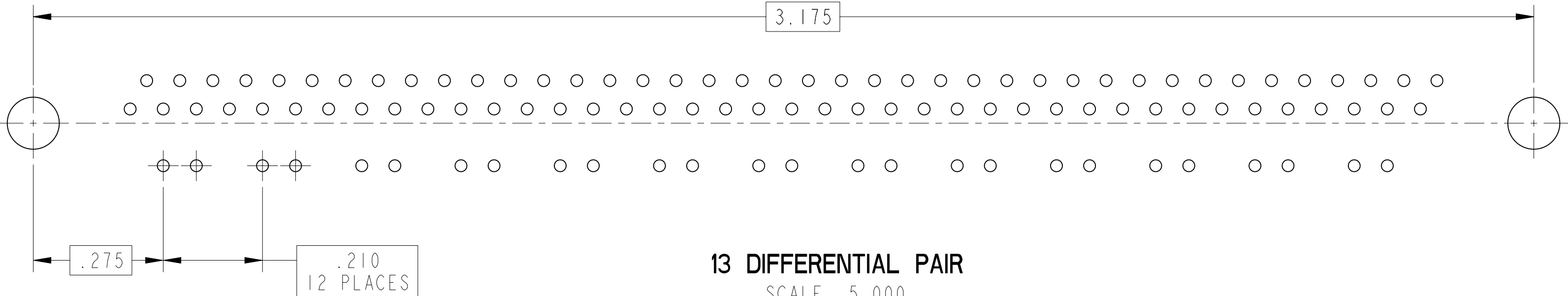
3 DIFFERENTIAL PAIR
SCALE 5.000



7 DIFFERENTIAL PAIR
SCALE 5.000



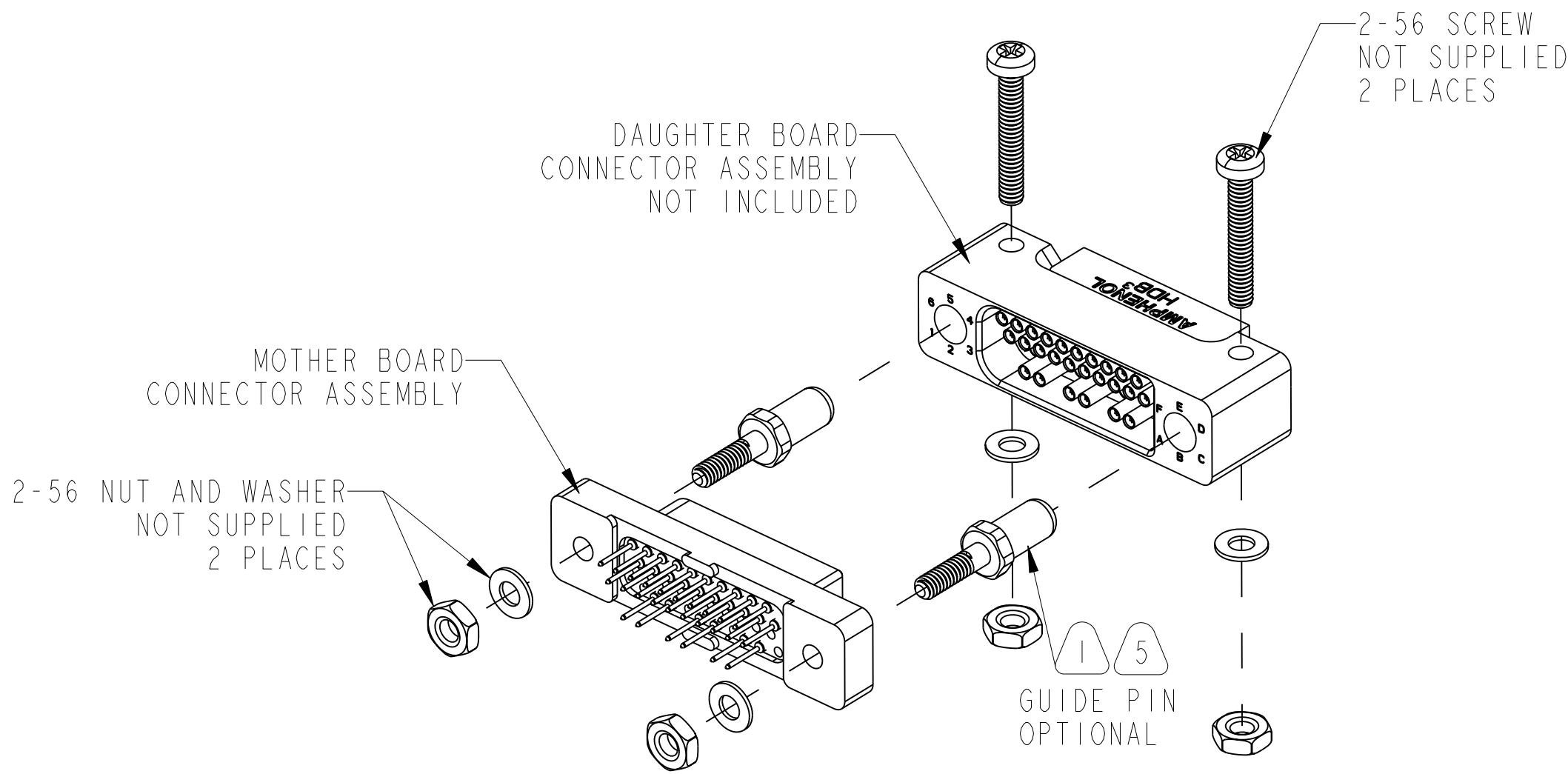
10 DIFFERENTIAL PAIR
SCALE 5.000



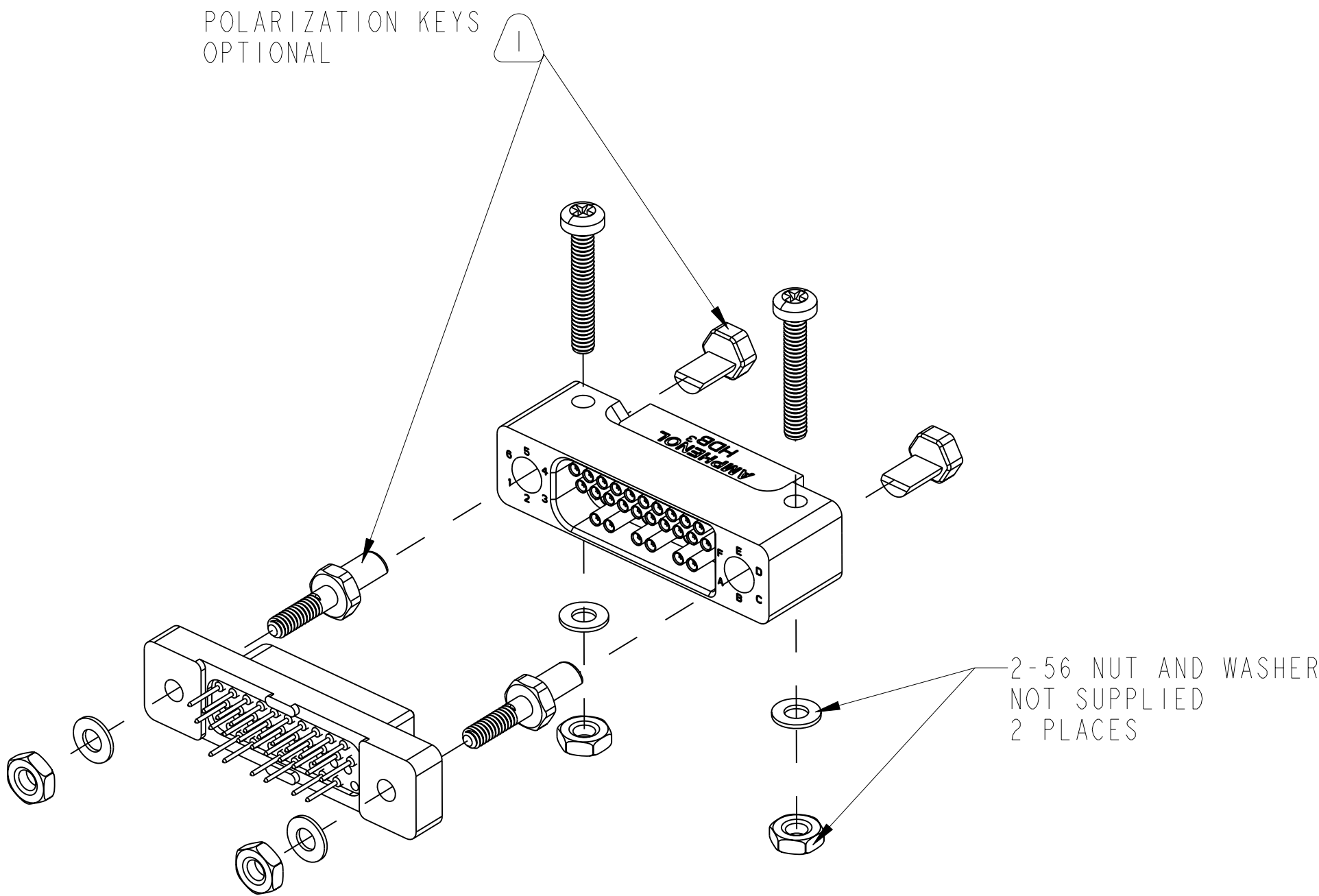
13 DIFFERENTIAL PAIR
SCALE 5.000

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EXPLODED ISOMETRIC VIEW
SHOWN WITH OPTIONAL
GUIDE PIN



EXPLODED ISOMETRIC VIEW
SHOWN WITH OPTIONAL KEYING

7. CONTACT ASSEMBLIES ARE NON-REPLACEABLE.
6. RoHS COMPLIANT FOR TERMINATION FINISH TIN PLATE OVER NICKEL.
5. WHEN NOT USING OPTIONAL GUIDE PIN OR POLARIZATION KEYS USE A 2-56 HEX HEAD SCREW FOR MOUNTING. (NOT SUPPLIED)
4. INK STAMP "AMPHENOL" 77820, PART NUMBER AND DATE CODE ON INDICATED SURFACE PER 9-3856-5. DATE CODE PER 9-3895, CHARACTERS TO BE .062 ±.020 HIGH.
3. FOR MATING DAUGHTER CONNECTOR ASSEMBLY SEE DRAWING HSB-D4-XXDXXXXX.
2. INDICATED DIMENSION IS TO POINT OF MINIMUM ELECTRICAL ENGAGEMENT.
1. POLARIZATION KEYS OR GUIDE PINS ARE OPTIONAL.
WHEN USING, A QUANTITY OF 2 ARE REQUIRED PER CONNECTOR.
(WHEN USING KEYS, MATING CONNECTOR MUST ALSO USE KEYS.)

NOTES:

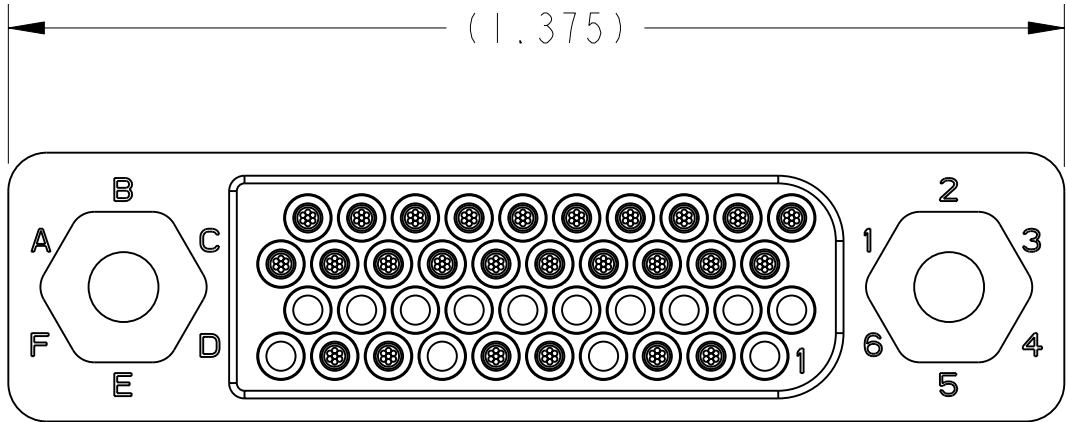
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REPLACEMENT KEYS/GUIDE PINS			
HW ID	TYPE	STICKOUT (DIM K)	PART NUMBER
G	POLARIZATION KEY (QTY 2)	.250	HDB-508803-001
H	POLARIZATION KEY (QTY 2)	.500	HDB-508803-002
J	POLARIZATION KEY (QTY 2)	.750	HDB-508803-003
T	GUIDE PIN (QTY 2)	.250	HDB-508802-001
U	GUIDE PIN (QTY 2)	.500	HDB-508802-002
V	GUIDE PIN (QTY 2)	.750	HDB-508802-003
W	GUIDE PIN (QTY 2)	.200	HDB-508802-004

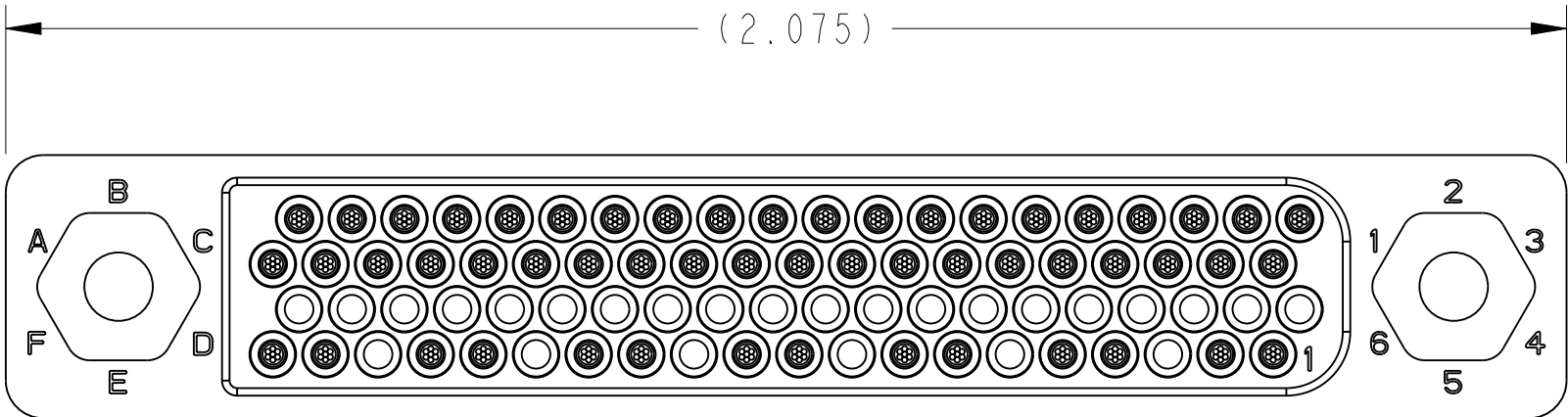
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3

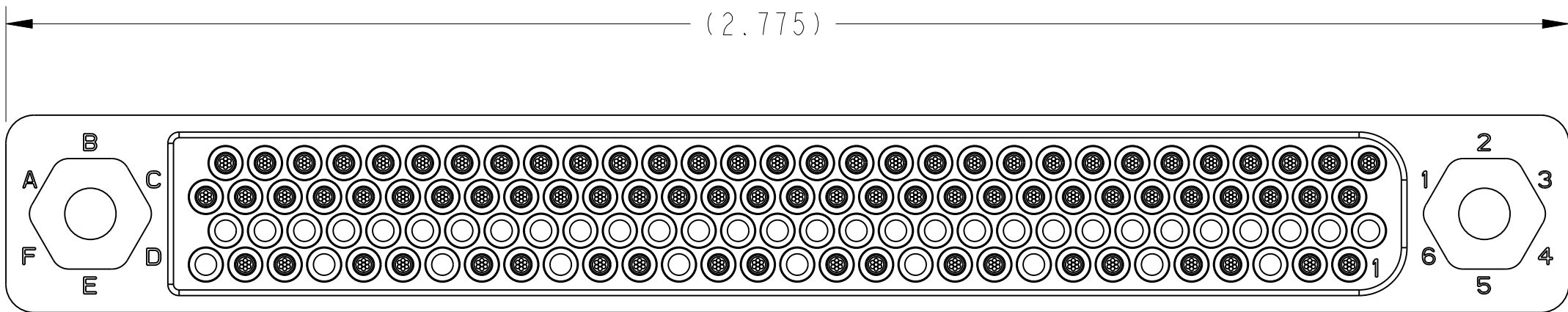
2



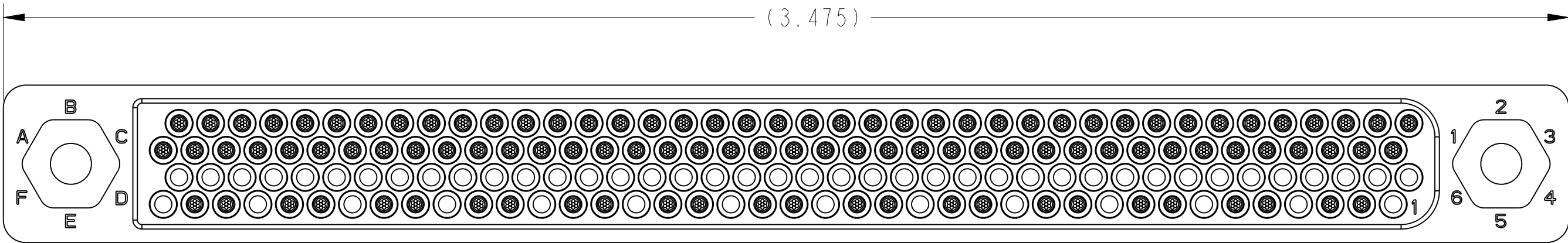
3 DIFFERENTIAL PAIR
SCALE 4.000



7 DIFFERENTIAL PAIR
SCALE 4.000



10 DIFFERENTIAL PAIR
SCALE 4.000



13 DIFFERENTIAL PAIR
SCALE 4.000

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