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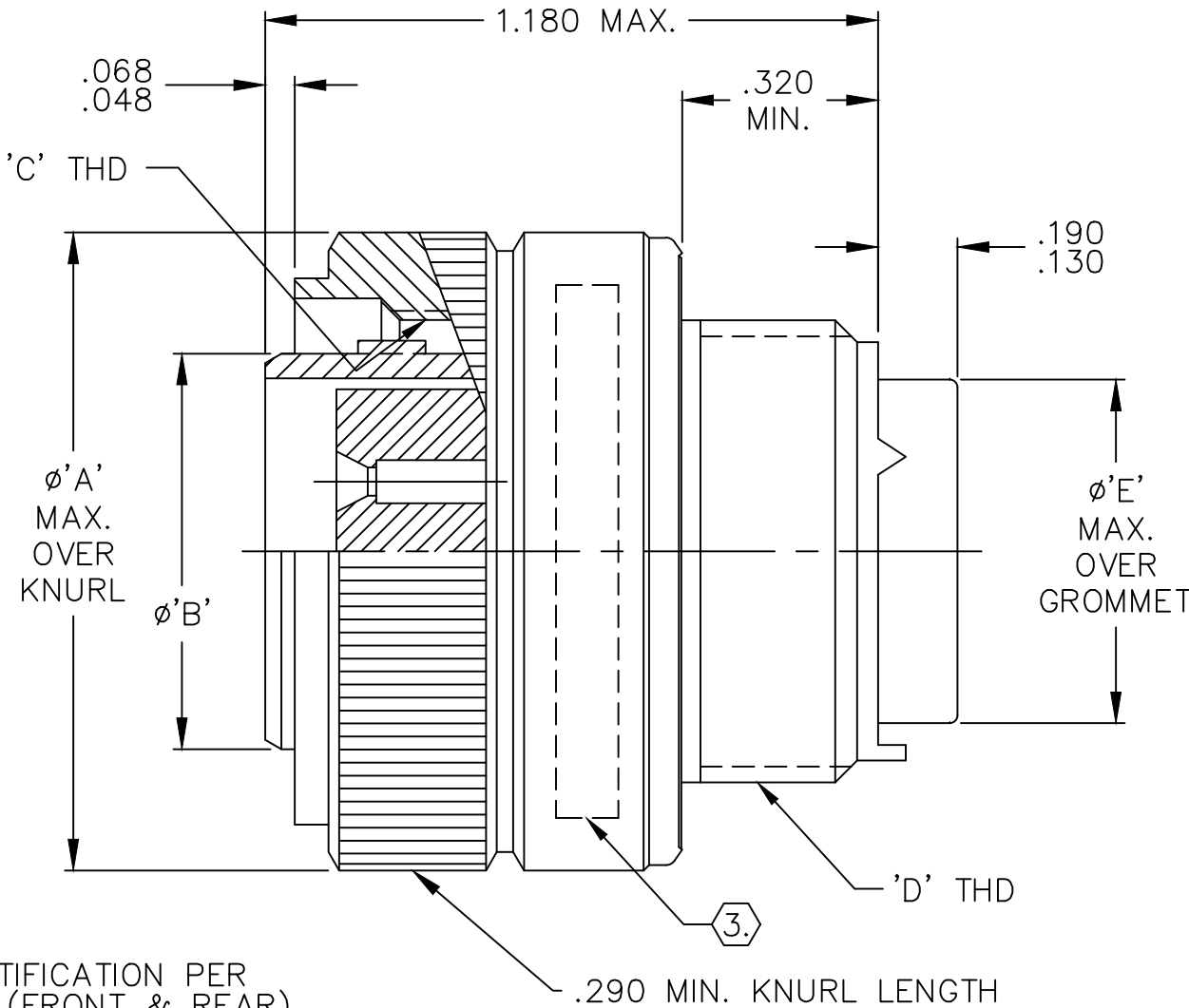
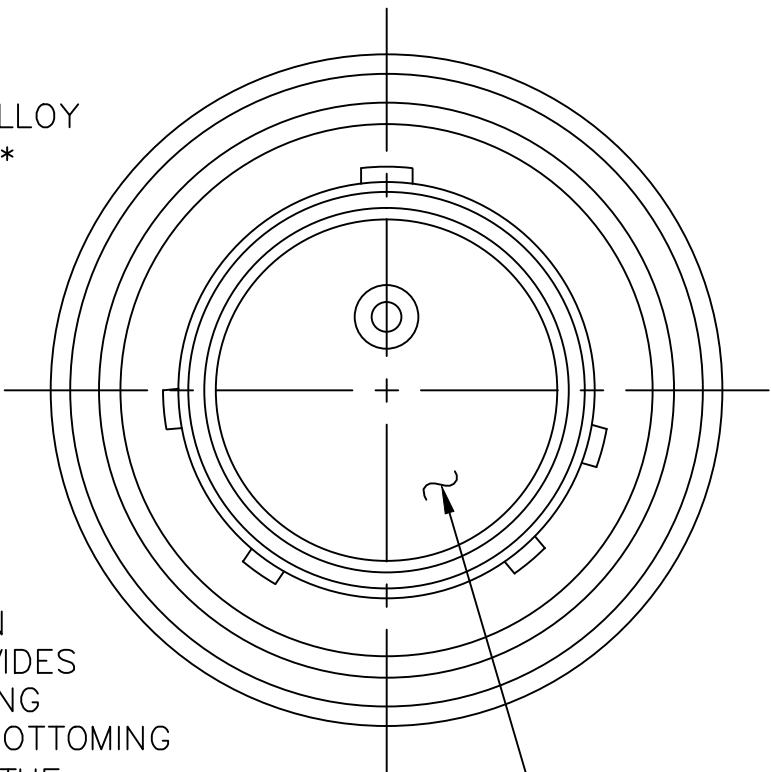
EAR CONTROLLED PRODUCT

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REVISIONS					
ZONE	LTR	DESCRIPTION	DATE	APPROVED	
	NR	INITIAL RELEASE	GCJ	8/27/12	MD

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS AND FINISHES:
SHELL: PER MIL-DTL-83723 SERIES III, SEE TABLE 1
COUPLING NUT: PER MIL-DTL-83723 SERIES III, TABLE 1.
INSULATOR: GLASS REINFORCED EPOXY
WIRE SEALING GROMMET: RESILIENT FLUOROSILICONE/SILICONE BLEND.
CONTACT RETAINING CLIPS: COPPER ALLOY
CONTACT, SOCKET: PER M39029/5-***
2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-DTL-83723 SERIES III, MIL-DTL-83723/95 AND MIL-STD-1554.
3. CONNECTOR SHALL BE MARKED IN THE FOLLOWING LOCATION.
4. THIS CONNECTOR IS EQUIPPED WITH AN ANTI-DECOUPLING DEVICE WHICH PROVIDES FOR AN OVER TRAVEL OF THE COUPLING NUT, BEYOND THE SHELL-TO-SHELL BOTTOMING POINT, OF AT LEAST ONE "CLICK" OF THE ANTI-DECOUPLING DEVICE, AND LESS THAN 5° ANGULAR ROTATION OF THE COUPLING NUT.
5. THIS CONNECTOR INCORPORATES A FULLY SEALED LOCKING MECHANISM BY SPRAY, MIST OR CONDENSATION APPLIED TO THE CONNECTOR FROM ANY ANGLE.
6. THIS CONNECTOR MEETS VIBRATION REQUIREMENTS EXCEEDING THOSE OF MIL-DTL-83723, SERIES III.



ENVELOPE

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± ± .XXX±	APPROVALS		DATE	HiREL CONNECTORS INC. 760 W WHARTON DRIVE CLAREMONT CA 91711			
			DRAWN	G JAWOR	8/27/12	PLUG SELF-LOCKING			
			CHECKED	M.DISHMAN	8/28/12				
		MATERIAL				SIZE CODE IDENT NO. DRAWING NO. B 34222 M83723/95*****			
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING			SCALE	NONE	30930	SHEET 1 OF 2	

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EAR CONTROLLED PRODUCT

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ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE SHEET 1				

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SHELL SIZE	ø'A' MAX.	ø'B' MAX.	'C' CPLG. THD.	'D' THD.	ø'E' MAX.
08	.832	.396/.405	.5625–24UNEF	.5000–20UNF	.305
10	.959	.517/526	.6875–24UNEF	.6250–24UNEF	.405
12	1.097	.687/.696	.8750–20UNEF	.7500–20UNEF	.531
14	1.236	.756/765	.9375–20UNEF	.8750–20UNEF	.665
16	1.360	.883/.892	1.0625–18UNEF	1.0000–18UNEF	.790
18	1.473	.989/.998	1.1875–18UNEF	1.0625–18UNEF	.869
20	1.586	1.114/1.123	1.3215–18UNEF	1.1875–18UNEF	.994
22	1.703	1.239/1.248	1.4375–18UNEF	1.3125–18UNEF	1.119
24	1.846	1.364/1.373	1.5625–18UNEF	1.4375–18UNEF	1.244

TABLE I

CLASS	MATERIAL	FINISH
G	CRES	PASSIVATED
K	CRES	PASSIVATED W/FIREWALL INSERT
R	AL	ELECTROPOLISHED NICKEL
W	AL	O.D. CADMIUM OVER NICKEL

ENVELOPE

SEE SHEET 1 FOR NOTES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE		HiREL CONNECTORS INC	
FRACTIONS	DECIMALS	ANGLES				760 W WHARTON DRIVE CLAREMONT CA 91711	
± ~	.XX ± ~	± ~					
MATERIAL			DRAWN	G JAWOR	8/27/12	PLUG SELF-LOCKING	
			CHECKED	M. DISHMAN	8/28/12		
FINISH						SIZE B CODE IDENT NO. 34222 DRAWING NO. M83723/95*****	
NEXT ASSY		USED ON				SCALE NONE 30931 SHEET 2 OF 2	
APPLICATION		DO NOT SCALE DRAWING					

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