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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
INTERFACIAL SEAL: RESILIENT FLUOROSILICONE/SILICONE BLEND
CONTACT RETAINING CLIPS: COPPER ALLOY
CONTACT, PIN: PER M39029/4-***
WIRE SEALING GROMMET: RESILIENT FLUOROSILICONE/SILICONE BLEND

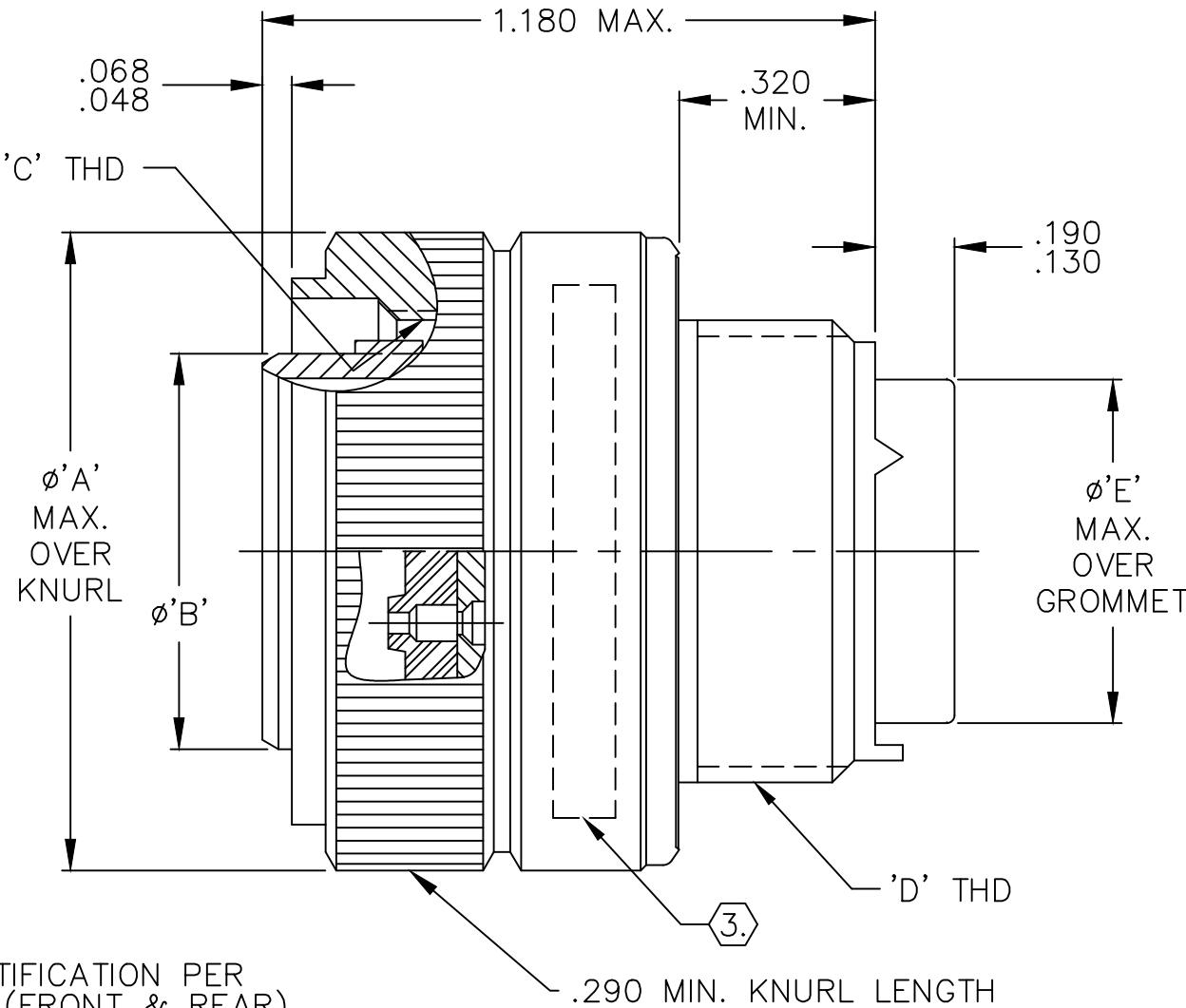
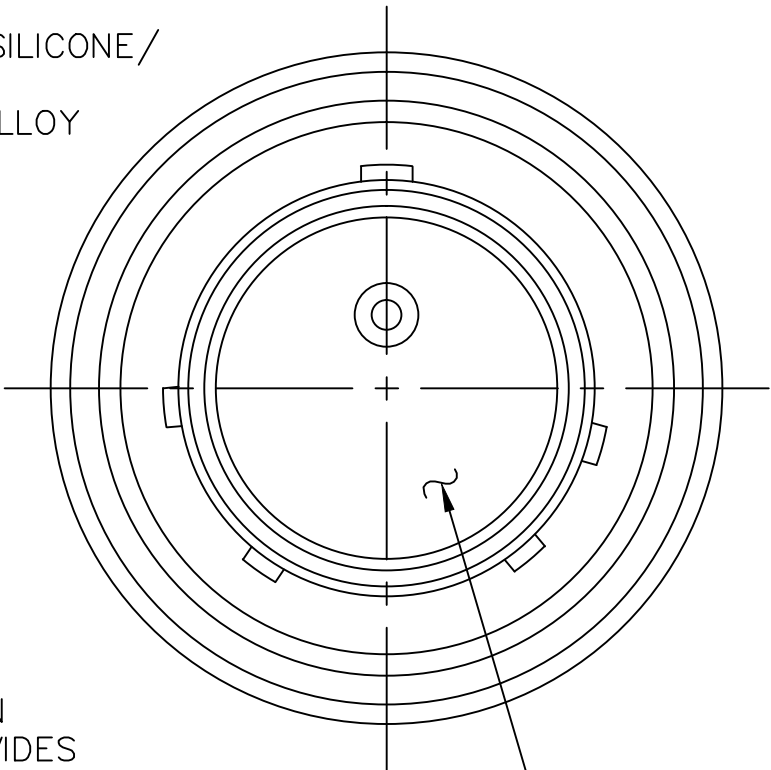
2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-DTL-83723 SERIES III, MIL-DTL-83723/96 AND MIL-STD-1554.

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.



CONTACT IDENTIFICATION PER MIL-STD-1554 (FRONT & REAR)

ENVELOPE

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ~ .XX ± ~ ± ~		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					
				FINISH					
NEXT ASSY		USED ON							
APPLICATION				DO NOT SCALE DRAWING					
						SIZE B		CODE IDENT NO. 34222	
						SCALE NONE		DRAWING NO. M83723/96*****	
								SHEET 1 OF 2	

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8/30/2012 11:29:19 AM, MANUFACTURING RELEASE

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
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SEE SHEET 1

SHELL SIZE	ø'A' MAX.	ø'B' MAX.	'C' CPLG. THD.	'D' THD.	ø'E' MAX.
8	.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	1.0000-20UNEF	.790
18	1.473	.989/.998	1.1875-18UNEF	1.0625-18UNEF	.869
20	1.586	1.114/1.123	1.3125-18UNEF	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	ELECTRODEPOSITED NICKEL
W	AL	O D CADMIUM OVER NICKEL

ENVELOPE

SEE SHEET 1 FOR NOTES

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ~ .XX ± ~ ± ~ .xxx± ~	HiREL CONNECTORS INC 760 W WHARTON DRIVE CLAREMONT CA 91711						
			APPROVALS	DATE		PLUG SELF-LOCKING			
			DRAWN G JAWOR	8/27/12					
			CHECKED M. DISHMAN	8/28/12					
		MATERIAL			SIZE CODE IDENT NO. DRAWING NO. B 34222 M83723/96*****				
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING			SCALE	NONE	30929	SHEET 2	OF 2

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