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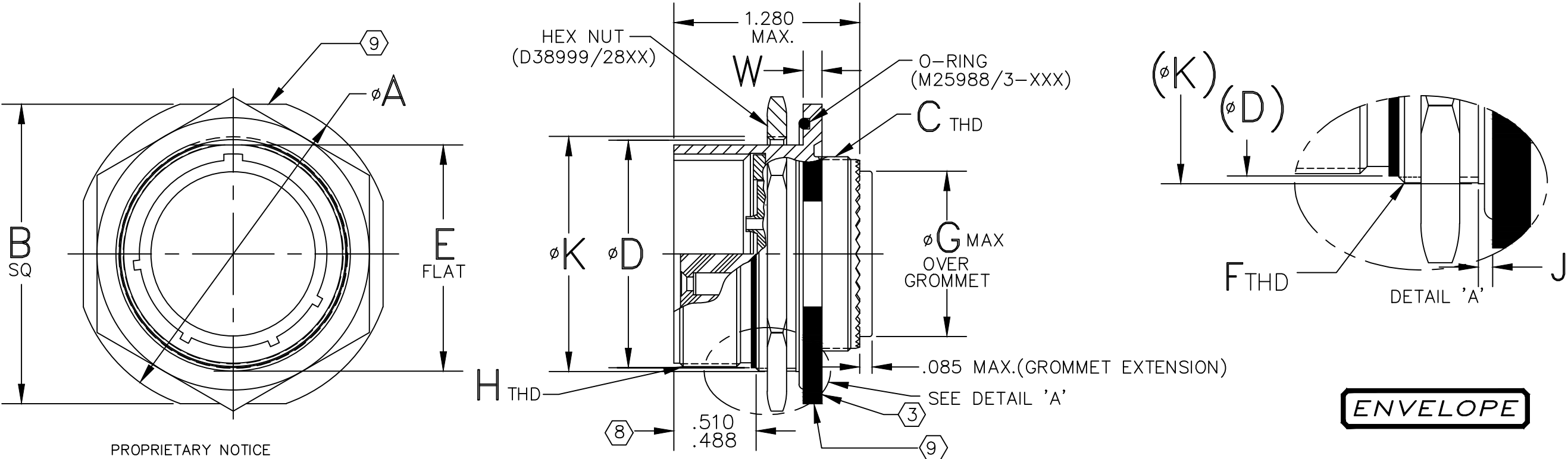
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SEE SHT 2 OF 2 FOR NOTES

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
A		SEE ECO 86000-197	HMM 07/03/08	M HINDELL
A1		INCLUDED UNIVERSAL POLARIZATION NOTES	WER 07/20/11	MD
A2		ADDED DTL 'A' FOR CLARIFICATION	GCJ 6/4/12	MD
A3		ADDED CLASS 'G' AND NOTE 7	GCJ 1/10/13	MD
B		SEE ECO 86000-254	DRR 2/17/14	MD
C		SEE ECO 86000-362	GC 3/2/17	MD
C1		SEE DCO-04314	ES 10/19/22	GTM

SHELL SIZE	SHELL CODE	$\phi A^{\pm.012}$	$B^{\pm.016}$	C THREAD	$\phi D^{\text{MAX. THD. START}}$	$E^{\pm.005 \text{ THD. FLAT}}$	F THREAD	$\phi G^{\text{MAX.}}$	H THD TRIPLE START CLASS 2A	$J^{\pm.010}$	$\phi K^{\pm.006}$	$W^{\pm.016}$	O-RING MS25988/3
9	A	1.189	1.063	M12x1.0-6g 0.100R	.626	.650	M17x1.0-6g 0.100R	.299	.625-.1P-.3L-TS	.049	.683	.098	-019
11	B	1.374	1.252	M15x1.0-6g 0.100R	.740	.750	M20x1.0-6g 0.100R	.427	.750-.1P-.3L-TS		.809		-022
13	C	1.500	1.374	M18x1.0-6g 0.100R	.937	.937	M25x1.0-6g 0.100R	.541	.875-.1P-.3L-TS		.998		-024
15	D	1.626	1.500	M22x1.0-6g 0.100R	1.055	1.061	M28x1.0-6g 0.100R	.666	1.000-.1P-.3L-TS		1.120		-026
17	E	1.752	1.626	M25x1.0-6g 0.100R	1.213	1.186	M32x1.0-6g 0.100R	.791	1.188-.1P-.3L-TS	—	—	.130	-028
19	F	1.937	1.811	M28x1.0-6g 0.100R	1.331	1.311	M35x1.0-6g 0.100R	.897	1.250-.1P-.3L-TS				-128
21	G	2.063	1.937	M31x1.0-6g 0.100R	1.449	1.436	M38x1.0-6g 0.100R	1.022	1.375-.1P-.3L-TS				-130
23	H	2.189	2.063	M34x1.0-6g 0.100R	1.567	1.561	M41x1.0-6g 0.100R	1.147	1.500-.1P-.3L-TS				-132
25	J	2.311	2.189	M37x1.0-6g 0.100R	1.685	1.686	M44x1.0-6g 0.100R	1.272	1.625-.1P-.3L-TS	.049	1.620	.130	-134
											1.746		



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EAR CONTROLLED PRODUCT

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		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE	HiREL CONNECTORS INC 760 W WHARTON DRIVE CLAREMONT CA 91711		
		FRACTIONS	DECIMALS	ANGLES	DRAWN M DISHMAN		4/27/99	CONNECTOR, RECEPTACLE, ENVIRONMENTAL	
		$\pm \sim$	.XX $\pm \sim$	$\pm \sim$	CHECKED K PAYNE		4/30/99		
		MATERIAL						SIZE	CODE IDENT NO.
		1						B	34222
		FINISH						DRAWING NO.	86010*-**-**P/S*
		1						SCALE	~
NEXT ASSY		USED ON		DO NOT SCALE DRAWING			09660	SHEET	1 OF 2
APPLICATION									

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NOTES: UNLESS OTHERWISE SPECIFIED

1

MATERIAL AND FINISH:
SHELL & JAM NUT: PER MIL-DTL-38999 SERIES III, SEE TABLE I
INSULATOR: GLASS REINFORCED EPOXY
WIRE SEALING GROMMET: RESILIENT FLUOROSILICONE/SILICONE BLEND
INTERFACIAL SEAL (PIN INSERT ONLY): RESILIENT FLOUROSILICONE/SILICONE BLEND
CONTACT RETAINING CLIPS: COPPER ALLOY.
O-RING: FLUOROSILICONE 60 SHORE

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS APPLICABLE MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-DTL-38999 SERIES III, MIL-DTL-38999/24 AND MIL-STD-1560.

3

THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR IN ACCORDANCE WITH MIL-STD-130:
A. HIRELCO'S PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION).
B. "HIRELCO" OR "HRC"
B. HIRECO'S CAGE NUMBER "34222"
C. HIRELCO PART NUMBER (OPTIONAL)

4. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR PACKAGING:
A. HIRELCO PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION).
B. HIRELCO
C. HIRELCO'S CAGE NUMBER "34222"

5

FOR POLARIZATION USE "N," "A," "B," "C," "D," OR "E" EXCEPT WHEN DESIRE "UNIVERSAL" POLARIZATION VERSIONS USE "U"

6

FOR VARIOUS "UNIVERSAL" POLARIZATION COMBINATIONS SEE ENVELOPE DRAWING P/N 86010*-**-**P/SU**

7

FOR SPACE GRADE CONNECTORS THE REQUIREMENTS OF HIRELCO DRAWING 0100-144 SHALL APPLY UNLESS OTHERWISE SPECIFIED ON PURCHASE ORDER.

8

LOCATION INDICATES FULLY MATED INDICATOR BAND, COLOR: RED.

9

BLUE PAINT BAND INDICATES REAR RELEASE CRIMP CONTACTS.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE SHT 1 FOR REVISION				

TABLE I

CLASS	MATERIAL	FINISH
F	AL	ELECTROLESS NICKEL
G	AL	ELECTROLESS NICKEL (SPACE GRADE)
K	CRES	PASSIVATED
S	CRES	ELECTRODEPOSITED NICKEL
T	Ti	NATURAL (NON MIL-STD CLASS)
W	AL	O D CADMIUM OVER NICKEL
Z	AL	ZINC NICKEL
NT	AL	NICKEL TEFLON

PART NUMBER EXPLANATION

86010 W-17-EB P N

POLARIZATION: PER MIL-C-38999, SERIES III ("N" REQUIRED FOR NORMAL POLARIZATION)

CONTACT STYLE DESIGNATOR:
A = PIN CONTACT INSERT (NO CONTACTS)
B = SOCKET CONTACT INSERT (NO CONTACTS)
P = PIN, 500 CYCLE
S = SOCKET, 500 CYCLE
H = PIN, 1500 CYCLE
J = SOCKET, 1500 CYCLE

INSERT ARRANGEMENT: PER MIL-STD-1560 OR BHTI DESIGN STANDARD 160-035

SHELL SIZE DESIGNATOR

CONNECTOR CLASS PER MIL-DTL-38999 SERIES III, SEE TABLE I

BASIC PART NUMBER

ENVELOPE

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	
FRACTIONS	DECIMALS ANGLES
± ~ .XX ± ~ ± ~	.XXX± ~ ± ~

APPROVALS	DATE
DRAWN M DISHMAN	4/27/99
CHECKED K PAYNE	4/30/99

MATERIAL	FINISH
1	1

NEXT ASSY	USED ON
APPLICATION	

DO NOT SCALE DRAWING	
SCALE ~	

HiRel CONNECTORS INC

760 W WHARTON DRIVE
CLAREMONT CA 91711

CONNECTOR, RECEPTACLE,
ENVIRONMENTAL

SIZE	CODE IDENT NO.	DRAWING NO.
B	34222	86010*-**-**P/S*

SCALE	09659	SHEET 2 OF 2

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