

4

3

2

1

SHELL SIZE	ØA MAX	ØB MAX	C CPLG THD	D THD
8	.838	.305	.5625-24UNEF	.5000-20UNF
10	.980	.405	.6875-24UNEF	.6250-24UNEF
12	1.165	.531	.8750-20UNEF	.7500-20UNEF
14	1.230	.665	.9375-20UNEF	.8750-20UNEF
16	1.355	.790	1.0625-18UNEF	1.0000-20UNEF
18	1.470	.869	1.1875-18UNEF	1.0625-18UNEF
20	1.650	.994	1.3125-18UNEF	1.1875-18UNEF
22	1.735	1.119	1.4375-18UNEF	1.3125-18UNEF
24	1.860	1.244	1.5625-18UNEF	1.4375-18UNEF
28	2.175	1.492	1.8125-16UNEF	1.7500-18UNS

CONTACT IDENTIFICATION PER
EN2997-002 (FRONT & REAR)

BLUE STRIPE FOR REAR RELEASE CONTACT IDENTIFICATION

SEE SHT 2 OF 2 FOR NOTES.

EAR CONTROLLED PRODUCT
WARNING: INFORMATION SUBJECT TO U.S. EXPORT CONTROL LAWS
This commodity, technology, or data, is subject to the Export Administration
Regulations (EAR). Diversion contrary to US Law is prohibited.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
A		SEE ECO 71550-043	JMS 09/06/11	MD
A1		UPDATED PICTORIAL VIEW TO CURRENT STDS	GCJ 2/18/16	RF
A2		SEE DCO-02939	ES 1/19/21	GTM
A3		SEE DCO-03615	ES 11/9/21	MD

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1.181
MAX

.320
MIN

.130
.190

ØB
MAX.
OVER
GROMMET

ØA
MAX.
OVER
KNURL

D THD

ENVELOPE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE	
FRACTIONS ±	DECIMALS .XX ± .XXX±	ANGLES ±	DRAWN GEORGE MAC		6/2/98
MATERIAL			CHECKED K. PAYNE		6/2/98
SEE SHT 2					
FINISH					
SEE SHT 2					
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

HiREL CONNECTORS INC.
760 W WHARTON DRIVE
CLAREMONT CA 91711

PLUG, SELF-LOCKING

SIZE
B

CODE IDENT NO.
34222

DRAWING NO.
71550*-**T-**P/S*

SCALE
NONE

08504

SHEET
1 OF 2

11/9/2021 12:58:32 PM, MANUFACTURING RELEASE

4

3

2

1

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE SHEET ONE FOR REVISIONS				

NOTES : UNLESS OTHERWISE SPECIFIED

1. MATERIAL AND FINISH:

SHELL: PER EN2997-008, SEE TABLE I

COUPLING NUT: PER EN2997-008, 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.

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF EN2997-001, EN2997-002, EN2997-008 AND APPLICABLE TESTS OF EN2591.

3. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR IN ACCORDANCE WITH MIL-STD-130:

A. HIREL PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION)

B. "HIRELCO" OR "HRC" IF SPACE ALLOWS

C. HIREL'S CAGE NUMBER "34222"

D. DATE CODE

4. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR PACKAGE:

A. HIREL PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATION)

B. "HIRELCO" OR HIREL'S CAGE NUMBER "34222"

5. 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 ANTIDECOUPLING DEVICE, AND LESS THAN 5° ANGULAR ROTATION OF THE COUPLING NUT.

6. THIS CONNECTOR INCORPORATES A FULLY SEALED LOCKING MECHANISM TO RESIST FLUID INTRUSION INTO THE MECHANISM BY SPRAY, MIST, OR CONDENSATION APPLIED TO THE CONNECTOR FROM ANY ANGLE.

7. THIS CONNECTOR MEETS VIBRATION REQUIREMENTS EXCEEDING THOSE OF MIL-DTL-83723, SERIES III.

CLASS	MATERIAL	FINISH
KE	CRES	PASSIVATED W/FIREWALL INSERT (260°C CYCLIC)
R	AL	ELECTRODEPOSITED NICKEL
SE	CRES	PASSIVATED W/RFI & FIREWALL INSERT (260°C CYCLIC)
W	AL	O D CADMIUM OVER NICKEL
B	TI	NICKEL (NON MIL-STD CLASS)

EXPLANATION OF PART NUMBER

71550KE-08T-03PN-***

VARIANT IDENTIFIER

(BLANK=SHIPPED WITHOUT CONTACTS)

(-630=SHIPPED WITH CONTACTS)

POLARIZATION: PER EN2997-001 (MIL-STD-1554)

("N" REQUIRED FOR NORMAL POLARIZATION)

CONTACT STYLE DESIGNATOR:

P = PIN (MALE)

S = SOCKET (FEMALE)

INSERT ARRANGEMENT: PER EN2997-002

COUPLING TYPE (T=THREADED)

SHELL SIZE DESIGNATOR

CONNECTOR CLASS PER EN2997-008, SEE TABLE I

BASIC NUMBER

EAR CONTROLLED PRODUCT

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

MATERIAL	FINISH
1	1

NEXT ASSY	USED ON

APPLICATION	DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN GEORGE MAC 6/2/98

CHECKED K. PAYNE 6/2/98

HiREL CONNECTORS INC

760 W WHARTON DRIVE

CLAREMONT CA 91711

ENVELOPE

PLUG, SELF-LOCKING

SIZE	CODE	IDENT NO.	DRAWING NO.
B	34222	71550*-**T-**P/S*	

SCALE	SHEET	2	OF	2
NONE	08505			

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