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SHELL SIZE	ØA MAX	ØB MAX	C CPLG THD	D THD
8	.832	.305	.5625-24UNEF	.5000-20UNF
10	.959	.405	.6875-24UNEF	.6250-24UNEF
12	1.097	.531	.8750-20UNEF	.7500-20UNEF
14	1.236	.665	.9375-20UNEF	.8750-20UNEF
16	1.360	.790	1.0625-18UNEF	1.0000-20UNEF
18	1.428	.869	1.1875-18UNEF	1.0625-18UNEF
20	1.586	.994	1.3125-18UNEF	1.1875-18UNEF
22	1.703	1.119	1.4375-18UNEF	1.3125-18UNEF
24	1.846	1.244	1.5625-18UNEF	1.4375-18UNEF
28	2.165	1.465	1.8125-16UNEF	1.7500-18UNS

ØA
MAX.
OVER
KNURL

C THD

1.370 MAX.

ØB
MAX.
OVER
GROMMET

D THD

3

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

ENVELOPE

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.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	
FRACTIONS ± ~	DECIMALS .XX ± ~ .XXX ± ~
MATERIAL SEE SHT 2	
FINISH SEE SHT 2	
NEXT ASSY	USED ON
APPLICATION	
DO NOT SCALE DRAWING	

APPROVALS

DATE

DRAWN
GEORGE MAC

CHECKED
K. PAYNE

04/23/97

10/6/97

HiREL CONNECTORS INC

760 W WHARTON DRIVE
CLAREMONT CA 91711

PLUG, SELF-LOCKING

SIZE
B

CODE IDENT NO.
34222

DRAWING NO.
71050*-**-**P/S*

SCALE

NONE

06271

SHEET 1 OF 2

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
A		SEE ECO 71050-004	10/04/97	JS
A1		SEE DCO-02939	1/19/21	GTM

PROPRIETARY NOTICE

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE SHEET 1 FOR REVISIONS				

EAR CONTROLLED PRODUCT

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NOTES : UNLESS OTHERWISE SPECIFIED

1.

MATERIAL AND FINISH:
SHELL: PER MIL-C-83723 SERIES III, SEE TABLE I
COUPLING NUT: PER MIL-C-83723 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.

2.

THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-C-83723 SERIES III, MIL-C-83723/95, MIL-C-83723/96 AND MIL-STD-1554.

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" AND "US. PAT NO.5,199,894"
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"
C. HIREL'S CAGE NUMBER "34222"

5.

THIS CONNECTOR IS EQUIPED 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-C-83723, SERIES III.

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
B	TI	NICKEL (NON MIL-STD CLASS)

EXPLANATION OF PART NUMBER

71050K-8 T -03 P N

POLARIZATION: PER MIL-C-83723, SERIES III
("N" REQUIRED FOR NORMAL POLARIZATION)

CONTACT STYLE DESIGNATOR:
P = PIN
S = SOCKET

INSERT ARRANGEMENT: PER MIL-STD-1554 (EXCEPT SIZE 28)

COUPLING TYPE (T=THREADED)

SHELL SIZE DESIGNATOR

CONNECTOR CLASS PER MIL-C-83723 SERIES III, SEE TABLE I

BASIC NUMBER

ENVELOPE

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		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	
			DRAWN GEORGE MAC	4/23/97	PLUG, SELF-LOCKING
			CHECKED K.PAYNE	10/6/97	
		MATERIAL			SIZE CODE IDENT NO. DRAWING NO. B 34222 71050*-**-**P/S*
		FINISH			
NEXT ASSY	USED ON				SCALE NONE 08968 SHEET 2 OF 2
APPLICATION		DO NOT SCALE DRAWING			

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