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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED	
	C3	SEE DCO-00903	ES	4/5/19	RF
	C4	SEE DCO-02902	ES	12/21/2020	GTM
	C5	SEE DCO-04636	ES	4/21/23	KK
	C6	SEE DCO-05783	ES	12/18/24	MD
	C7	SEE DCO-05828	RG	1/24/25	GTM

TABLE I

CLASS	MATERIAL	FINISH
F	AL	ELECTROLESS NICKEL
G	AL	ELECTROLESS NICKEL (SPACE GRADE)
K	CRES	PASSIVATED
K1	CRES	PASSIVATED (SPACE GRADE)
T	TI	NATURAL (NON MIL-STD CLASS)
S	CRES	ELECTRODEPOSITED NICKEL
W	AL	O D CADMIUM OVER NICKEL
B	TI	NICKEL (NON MIL-STD CLASS)
B1	TI	NICKEL (NON MIL-STD CLASS) (SPACE GRADE)
Z	AL	ZINC-NICKEL
NT	AL	NICKEL-TEFLON

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

APPROVALS		DATE
DRAWN	GBM	8/23/96
CHECKED	G. SPEARS	11/11/96

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SIZE

CODE

IDENT NO.

DRAWING NO.

SCALE

NONE

05401

SHEET 1 OF 2

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EAR CONTROLLED PRODUCT

WARNING: INFORMATION SUBJECT TO U.S. EXPORT CONTROL LAWS

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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL AND FINISH:
SHELL: PER MIL-DTL-38999, SERIES III, SEE TABLE I
COUPLING 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 FLUOROSILICONE/SILICONE BLEND
CONTACT RETAINING CLIPS: COPPER ALLOY.

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-DTL-38999, SERIES III, MIL-DTL-38999/26 AND MIL-STD-1560. OPERATING TEMPERATURES ARE IN ACCORDANCE WITH MIL-DTL-38999.

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" AS SPACE ALLOWS
C. HIREL'S CAGE NUMBER "34222"
D. DATE CODE

4. THIS CONNECTOR PROVIDES 360° SHELL-TO-SHELL BOTTOMING WHEN FULLY MATED. IN ADDITION, 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. FOR POLARIZATION USE 'N', 'A', 'B', 'C', 'D' & 'E' EXCEPT FOR WHEN DESIRE "UNIVERSAL" POLARIZATION VERSION USE 'U'.

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

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

8. THIS CONNECTOR MEETS VIBRATION REQUIREMENTS EXCEEDING THOSE OF MIL-DTL-38999.

9. SEE EACH INDIVIDUAL CONNECTOR PART NUMBER FOR REVISION STATUS.

ENVELOPE

59000K-9-98 P N -LC = P/N SUFFIX FOR LESS CONTACTS (NOT MARKED ON CONNECTOR)
POLARIZATION: PER MIL-DTL-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 NUMBER

HiRel CONNECTORS INC

760 W WHARTON DRIVE
CLAREMONT CA 91711

PLUG, SELF-LOCKING

B

34222

59000*-*-****

1/27/2025 8:18:23 AM, MANUFACTURING RELEASE

