

D

C

B

A

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EAR CONTROLLED PRODUCT

WARNING: Information Subject to US Export Control Laws. This commodity, technology, or data, is subject to the Export Administration Regulations (EAR). Diversion contrary to US Law is prohibited.

TABLE I

CLASS	MATERIAL	FINISH
N	CRES	ELECTRODEPOSITED NICKEL
Y	CRES	ELECTROPOLISHED

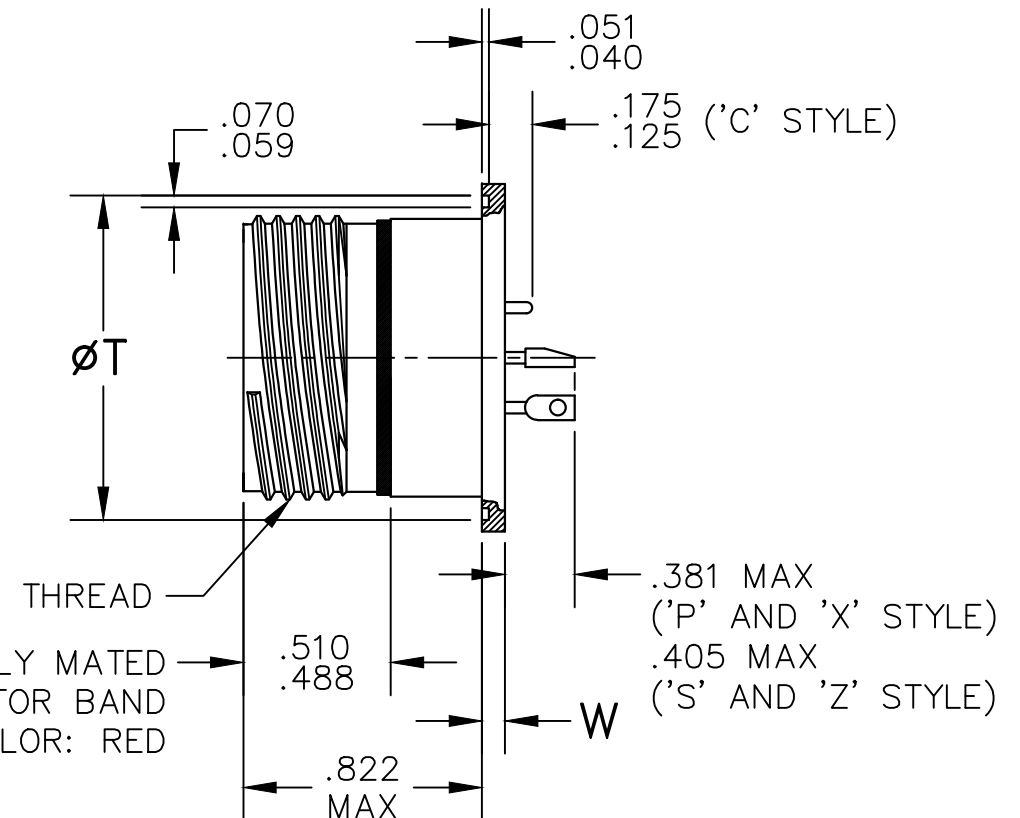
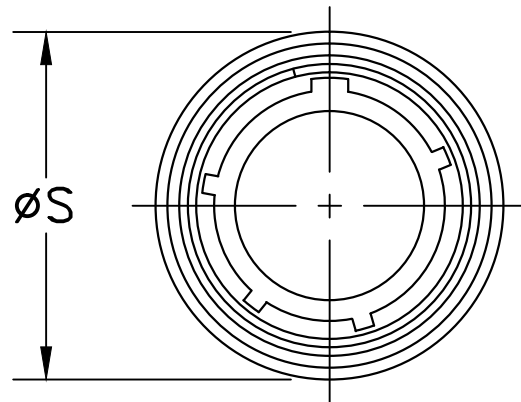
SHELL SIZE	SHELL SIZE CODE	ØS +.011 -.000	ØT +.000 -.011	W ±.007	Z THREAD CLASS 2A TRIPLE START
9	A	.973	.940	.126	.6250-.1P-.3L-TS
11	B	1.095	1.062	.126	.7500-.1P-.3L-TS
13	C	1.221	1.188	.126	.8750-.1P-.3L-TS
15	D	1.347	1.314	.126	1.000-.1P-.3L-TS
17	E	1.433	1.401	.126	1.1875-.1P-.3L-TS
19	F	1.579	1.547	.126	1.2500-.1P-.3L-TS
21	G	1.721	1.688	.126	1.3750-.1P-.3L-TS
23	H	1.886	1.854	.157	1.5000-.1P-.3L-TS
25	J	1.973	1.940	.157	1.6250-.1P-.3L-TS

NOTES : UNLESS OTHERWISE SPECIFIED

- MATERIAL AND FINISH:
SHELL: PER MIL-C-38999 SERIES III, SEE TABLE I
INSERT: FUSED VITREOUS
INTERFACIAL SEAL: SILICONE OR FLUROSILICONE ELASTOMER
PIN CONTACTS: NICKEL-IRON ALLOY, GOLD PLATED PER ASTM B488 OVER A SUITABLE UNDERPLATE.
INSULATOR: GLASS REINFORCED EPOXY (SOCKET ONLY).
SOCKET CONTACTS: COPPER ALLOY GENERALLY IN ACCORDANCE WITH MIL-DTL-39029.
- THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS MECHANICAL AND ELECTRICAL CHARACTERISTICS OF MIL-C-38999 SERIES III, MIL-C-38999/27 AND MIL-STD-1560.
- CONNECTOR MATES WITH D38999/26; HIRELCO 59000 SERIES PLUG CONNECTOR.

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EXPLANATION OF PART NUMBER

87000Y-9-98 P N

- POLARIZATION: PER MIL-C-38999, SERIES III ("N" REQUIRED FOR NORMAL POLARIZATION)
- CONTACT STYLE DESIGNATOR:
 - C = FEED THROUGH CONTACT
 - P = PIN CONTACT WITH SOLDER CUP
 - S = SOCKET CONTACT WITH SOLDER CUP
 - X = PIN CONTACT WITH EYELET
 - Z = SOCKET CONTACT WITH EYELET
- INSERT ARRANGEMENT: PER MIL-STD-1560
- SHELL SIZE DESIGNATOR
- CONNECTOR CLASS PER MIL-C-38999 SERIES III, SEE TABLE I
- BASIC NUMBER (D38999/27)

ENVELOPE

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ~ .XX ± ~ ± ~ .XXX± ~		APPROVALS DRAWN H.MORRIS CHECKED		DATE 10/25/10		HiRel CONNECTORS INC. 760 W WHARTON DRIVE CLAREMONT CA 91711	
		MATERIAL ①						CONNECTOR, RECEPTACLE HERMETIC, THREADED COUPLING, WELD MOUNT	
		FINISH ①						SIZE B	
NEXT ASSY		USED ON						CODE IDENT NO. 34222	
APPLICATION		DO NOT SCALE DRAWING						DRAWING NO. 87000*-**-**P/S*	
								SCALE NONE	
								28645 SHEET 1 OF 1	

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