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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	NR	INITIAL RELEASE	GCJ 2/22/12	MD

EXPLANATION OF PART NUMBER

D38999/27YB35PN

POLARIZATION: PER MIL-DTL-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-DTL-38999, SERIES III,
SEE TABLE I

BASIC NUMBER

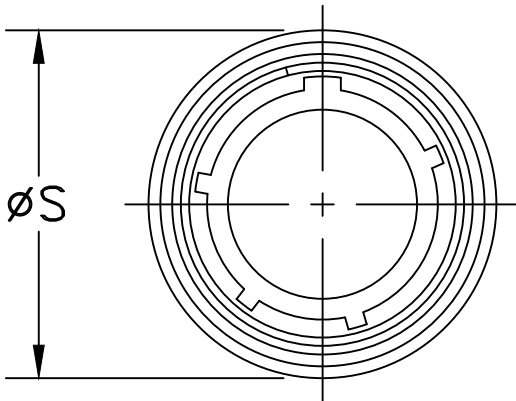
SHELL SIZE	SHELL SIZE CODE	øS +.011 -.000	øT +.000 -.011	W ±.007	Z THREAD CLASS 2A TRIPLE START
9	A	.973	.940	.126	.6250-.1P-.3L-TS
11	B	1.095	1.062	.126	.7500-.1P-.3L-TS
13	C	1.221	1.188	.126	.8750-.1P-.3L-TS
15	D	1.347	1.314	.126	1.000-.1P-.3L-TS
17	E	1.433	1.401	.126	1.1875-.1P-.3L-TS
19	F	1.579	1.547	.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

TABLE I

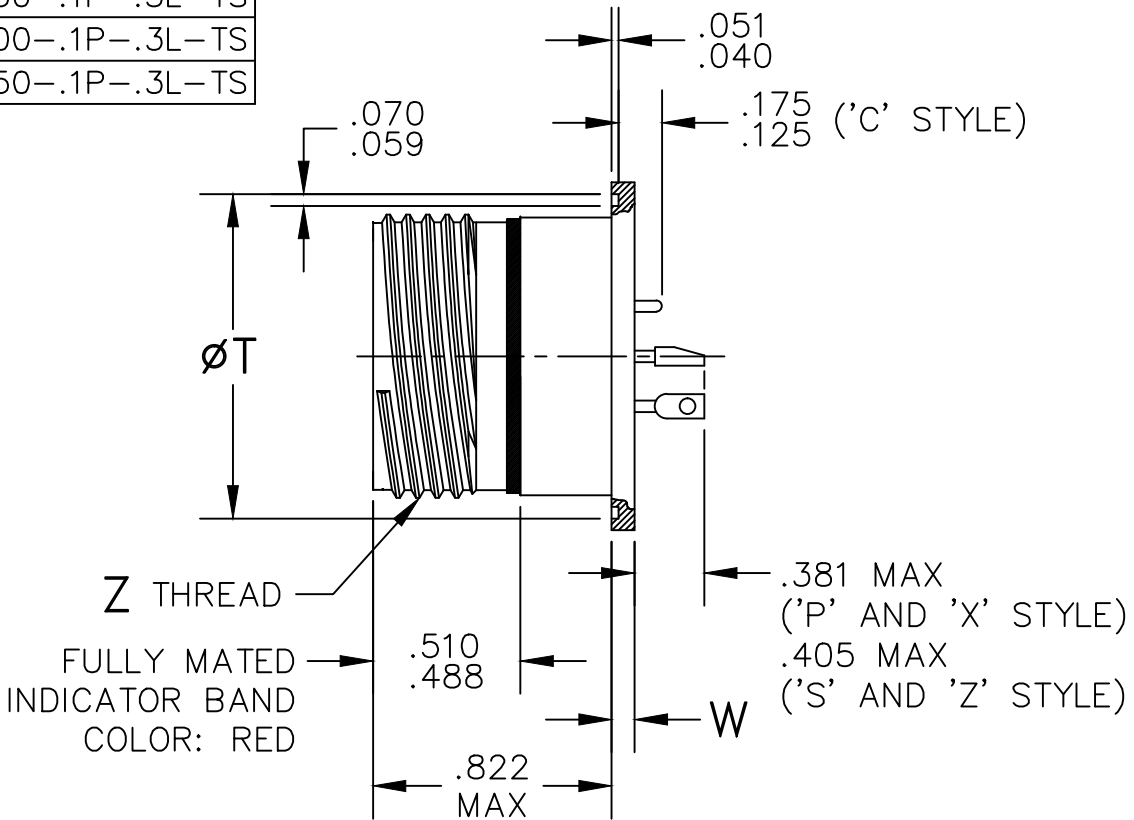
CLASS	MATERIAL	FINISH
N	CRES	ELECTRODEPOSITED NICKEL
Y	CRES	ELECTROPOLISHED

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL AND FINISH:
SHELL-PER MIL-DTL-38999, SERIES III, SEE TABLE 1.
INSERT-FUSED VITREOUS
INTERFACIAL SEAL-SILICONE OR FLUOROSILICONE 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-DTL-38999, SERIES III, MIL-DTL-38999/27 AND MIL-STD-1560.
- CONNECTOR MATES WITH D38999/26; HIRELCO 59000 SERIES PLUG CONNECTOR.



ENVELOPE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE		HiRel CONNECTORS INC. 760 W WHARTON DRIVE CLAREMONT CA 91711		
FRACTIONS	DECIMALS	ANGLES				CONNECTOR, RECEPTACLE HERMETIC, THREADED COUPLING WELD MOUNT		
± ~	.XX ± ~	± ~						
	.XXX ± ~					SIZE CODE IDENT NO. DRAWING NO. B 34222 D38999/27*****P/S*		
MATERIAL								
						SCALE NONE 30291 SHEET 1 OF 1		
FINISH								
						DO NOT SCALE DRAWING		
NEXT ASSY	USED ON							
APPLICATION								

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