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REVISIONS						
ZONE	LTR	DESCRIPTION		DATE	APPROVED	
	NR	INITIAL RELEASE		GCJ	1/27/12	MD
	A	SEE ECO D38999/21-019		GCJ	3/26/14	MD

D

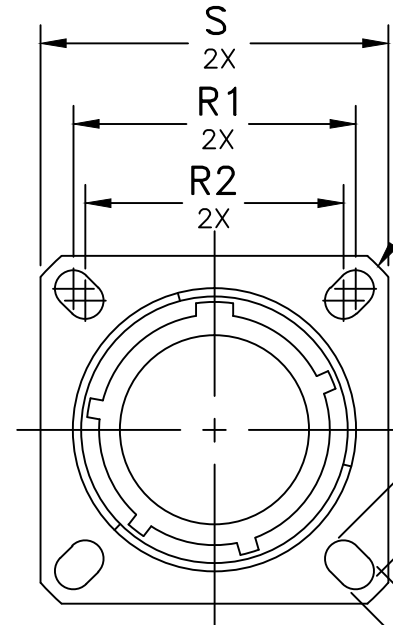
EXPLANATION OF PART NUMBER

D38999/21Y-9-98 P N

- 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, TABLE I
- BASIC NUMBER

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL AND FINISH:
 - SHELL—PER MIL-DTL-38999, SERIES III, TABLE 1
 - INSERT—FUSED VITREOUS
 - INTERFACIAL SEAL—SILICONE OR FLUORO-SILICONE 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-38999/21 AND MIL-STD-1560.
- CONNECTOR MATES WITH D38999/26; HIRELCO 59000 SERIES PLUG CONNECTOR.
- FRONT OR REAR PANEL MOUNTING.
- FRONT PANEL MOUNTING ONLY.
- DIMENSIONS ARE IN MILLIMETERS [INCHES].
- PIN STYLE 'C' REQUIRES A REDUCED PIN DIAMETER TERMINATION FOR SIZE 22 AND 20 CONTACTS. ALL OTHER SIZES WILL REMAIN CONSISTENT WITH (ØM) THROUGHOUT THE FULL OAL OF THE PIN.



12.95 MAX. [.510 MAX.]
FULLY MATED INDICATOR
BAND - RED

TABLE I

CLASS	MATERIAL	FINISH
N	CRES	ELECTRODEPOSITED NICKEL
Y	CRES	ELECTROPOLISHED

(SEE SHEET 2 FOR DIMENSION TABLES)

		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	DATE	CONNECTOR, RECEPTACLE HERMETIC, SQ. FLANGE THREADED COUPLING			
			DRAWN G JAWOR	1/27/12				
			CHECKED M. DISHMAN	1/27/12				
		MATERIAL 1			SIZE CODE IDENT NO. DRAWING NO. B 34222 D38999/21****P/S*			
		FINISH 1						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING			SCALE	NONE	30205	SHEET 1 OF 2

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
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SEE SHEET 2

MILLIMETERS

Shell Size	Shell Size Code	øP ±0.20	PP ±0.20	R1 (SEE NOTE 4)	R2 (SEE NOTE 5)	S ±0.3	V MAX.	BB THREAD CLASS 2A .1P-.3L-TS
9	A	3.25	5.49	18.26	15.09	23.8	21.4	.6250
11	B	3.25	4.93	20.62	18.26	26.2	21.4	.7500
13	C	3.25	4.93	23.01	20.62	28.6	21.4	.8750
15	D	3.25	4.39	24.61	23.01	31.0	21.4	1.0000
17	E	3.25	4.93	26.97	24.61	33.3	21.4	1.1875
19	F	3.25	4.93	29.36	26.97	36.5	21.4	1.2500
21	G	3.25	4.93	31.75	29.36	39.7	21.4	1.3750
23	H	3.91	6.15	34.93	31.75	42.9	21.4	1.5000
25	J	3.91	6.15	38.10	34.93	46.0	21.4	1.6250

INCHES

Shell Size	Shell Size Code	øP ±.007	PP ±.007	R1 (SEE NOTE 4)	R2 (SEE NOTE 5)	S ±.011	V MAX.	BB THREAD CLASS 2A .1P-.3L-TS
9	A	.128	.216	.719	.594	.937	.842	.6250
11	B	.128	.194	.812	.719	1.031	.842	.7500
13	C	.128	.194	.906	.812	1.126	.842	.8750
15	D	.128	.173	.969	.906	1.220	.842	1.0000
17	E	.128	.194	1.062	.969	1.311	.842	1.1875
19	F	.128	.194	1.156	1.062	1.437	.842	1.2500
21	G	.128	.194	1.250	1.156	1.563	.842	1.3750
23	H	.154	.242	1.375	1.250	1.689	.842	1.5000
25	J	.154	.242	1.500	1.375	1.811	.842	1.6250

MILLIMETERS

CONTACT SIZE	øM 7	øN 7
12	2.362/2.413	—
16	1.562/1.612	—
20	.991/1.041	.610/.711
22	.749/.775	.279/.381

INCHES

CONTACT SIZE	øM 7	øN 7
12	.093/.095	—
16	.0615/.0635	—
20	.039/.041	.024/.028
22	.0295/.0305	.011/.015

ENVELOPE

		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		DATE		CONNECTOR, RECEPTACLE HERMETIC, SQ. FLANGE THREADED COUPLING	
		DRAWN G JAWOR		1/27/12			
		CHECKED M. DISHMAN		1/27/12			
		MATERIAL				SIZE CODE IDENT NO. DRAWING NO. B 34222 D38999/21****P/S*	
		FINISH					
NEXT ASSY		USED ON				SCALE NONE 30206 SHEET 2 OF 2	
APPLICATION		DO NOT SCALE DRAWING					

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