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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
N/R		INITIAL RELEASE	07/08/11	RJ
N/R1		ADDED INFO TO NOTE 5 & 6	11/30/11	CJP
N/R2		ADDED ADDITIONAL FINISHES	9/7/12	MD
A		SEE ECO H2D-028	11/8/17	GTM
A1		SEE DCO-01149	6/11/19	GTM

TABLE 1		
CLASS	MAT'L	FINISH
C	AL	ANODIZE BLACK
F	AL	LOW STRESS NICKEL
F1	AL	NICKEL (SPACE GRADE)
W	AL	OD CADMIUM OVER NICKEL
Z	AL	ZINC NICKEL
K	CRES	PASSIVATED
K1	CRES	PASSIVATED (SPACE GRADE)
T	AL	NICKEL TEFLON
B	Ti	NICKEL
B1	Ti	NICKEL (SPACE GRADE)

TABLE 3		
MINOR KEY ANGLES		
POSITION	E°	F°
A (NORMAL)	150°	210°
B (ALTERNATE)	75°	210°
C (ALTERNATE)	95°	230°
D (ALTERNATE)	140°	275°
E (ALTERNATE)	75°	275°
F (ALTERNATE)	95°	210°

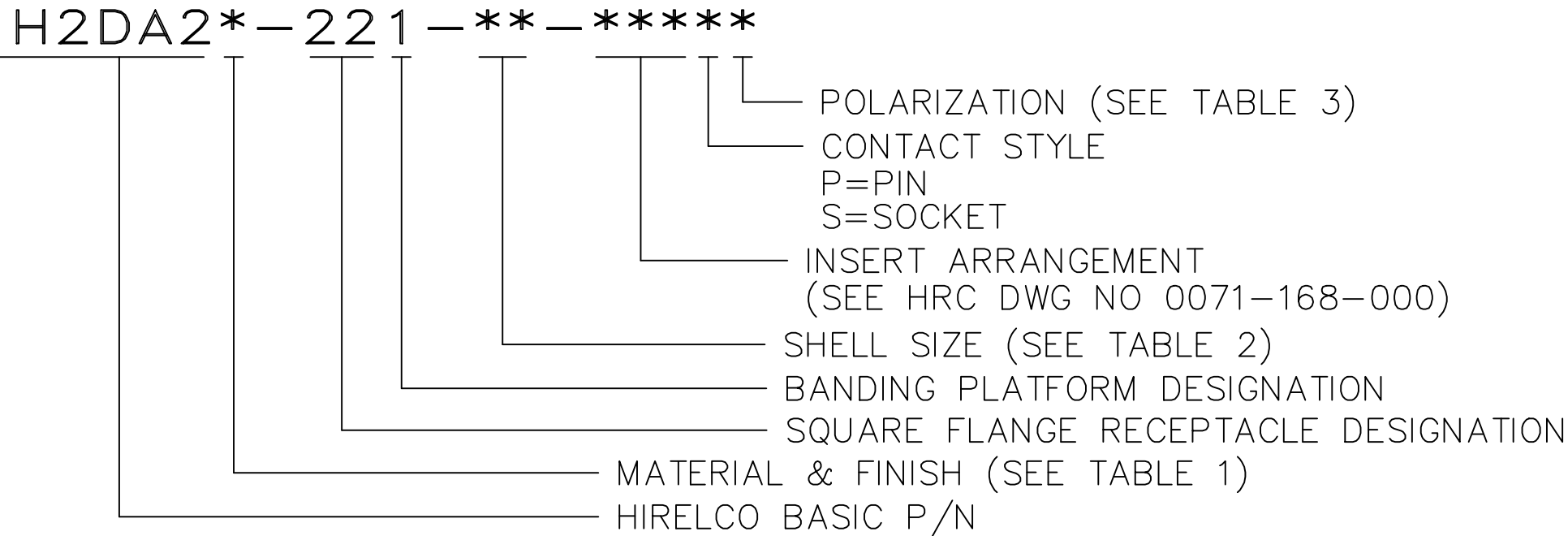
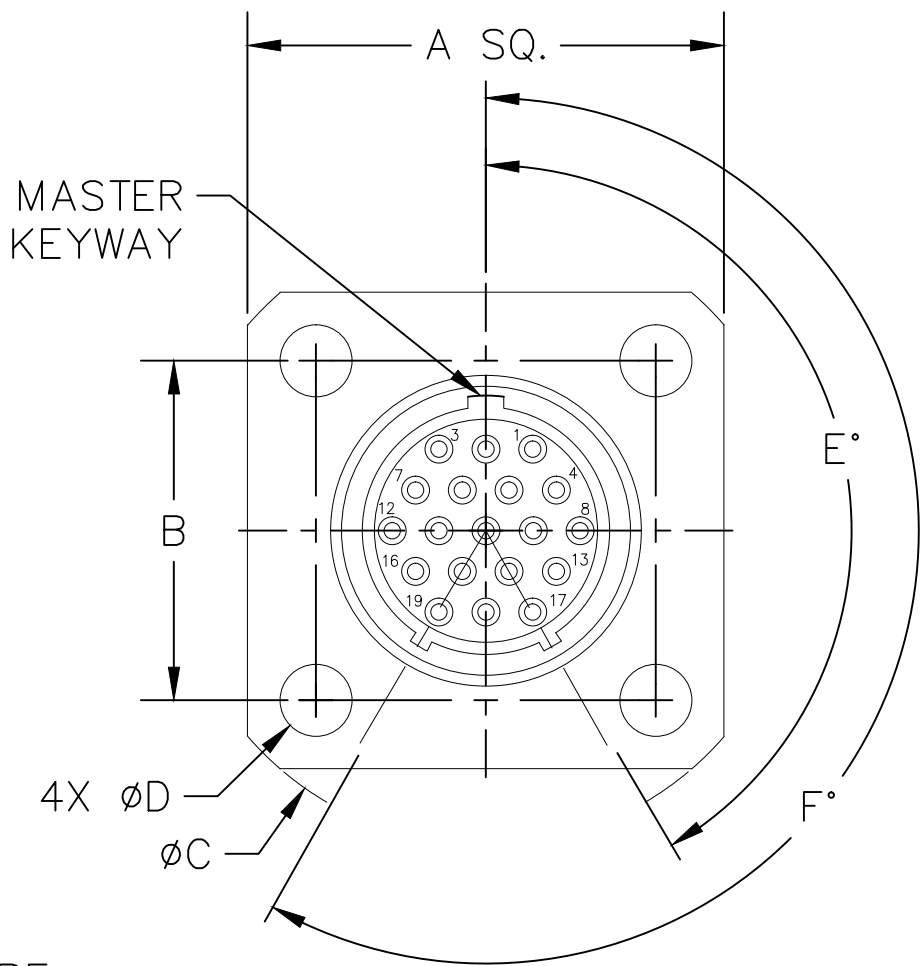
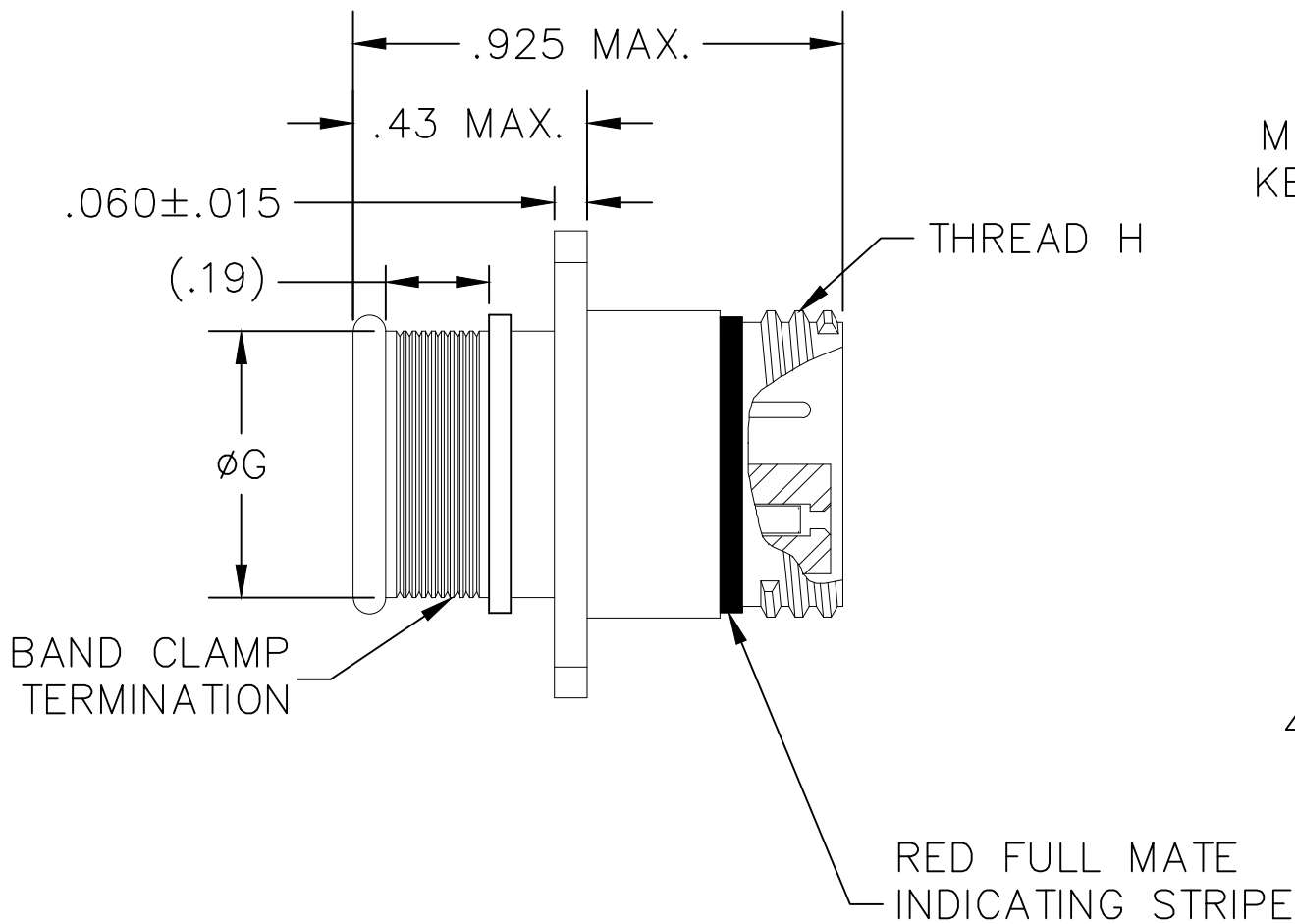


TABLE 2						
SHELL SIZE	A ±.015	B ±.015	øC ±.015	øD ±.006	øG ±.015	THREAD H
05	.530	.363	.680	.093	.257	.3125-.05P-.1L-2A
06	.590	.423	.750		.309	.3750-.05P-.1L-2A
07	.650	.483	.850		.394	.4375-.05P-.1L-2A
08	.712	.545	.938		.429	.5000-.05P-.1L-2A
09	.850	.607	1.125	.128	.491	.5625-.05P-.1L-2A
10	.890	.670	1.188		.564	.6250-.05P-.1L-2A
13	1.030	.812	1.375		.651	.8125-.1P-.2L-2A
16	1.219	.981	1.625		.814	1.000-.1P-.2L-2A
17	1.280	1.060	1.700		.868	1.062-.1P-.2L-2A
21	1.430	1.205	1.938		1.116	1.3125-.1P-.2L-2A

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIALS & FINISHES—
SHELL: SEE TABLE 1.
INSULATOR: REINFORCED EPOXY RESIN
CONTACTS: COPPER ALLOY, GOLD
PLATED OVER A NICKEL UNDER PLATE
INTERFACIAL SEAL: FLUOROSILICONE
- CONTACTS ARE SIZE 23 CRIMP REAR REMOVABLE.
PIN P/N: 0009-047-000
SOCKET P/N: 0012-049-001
- CRIMP BARREL ACCOMMODATES 22, 24, 26 & 28 AWG WIRE.
- CONTACT CRIMP TOOL:
RECOMMENDED CONTACT CRIMP TOOL DANIELS
P/N AFM-8 (M22520/2-01) WITH POSITIONER
P/N K-710A OR AN APPROVED EQUIVALENT.
- INSERTION TOOL: P/N 08AT024-23
- EXTRACTION TOOL: P/N 08AT024-23
- MATES WITH HIRELCO H2D SERIES. CONSULT FACTORY
FOR SPECIALS AND ADDITIONAL MATES.
- FOR INFORMATION REGARDING SPACE GRADE
CONNECTORS SEE HRC DRAWING 0100-144-J78.



ENVELOPE

NEXT ASSY	USED ON
APPLICATION	

QTY REQ'D		CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION					
PARTS LIST									
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
							DRAWN C. PHILLIPS		07/08/11
							CHECKED R. FIGUEROA		8/30/11
							DESIGN C. PHILLIPS		06/16/11
MATERIAL					CONNECTOR, RECEPTACLE, MINIATURE DOUBLE-START COUPLING WITH CLAMP BAND				
1									
FINISH					SIZE	CODE IDENT NO.	DRAWING NO.		
1					C	34222	H2DA2*-221-**-*****		
DO NOT SCALE DRAWING					SCALE	~	29289	SHEET 1 OF 1	

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