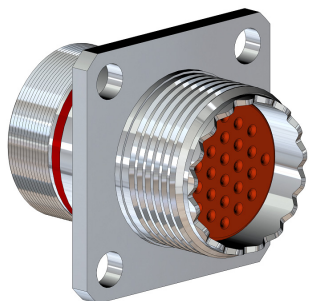
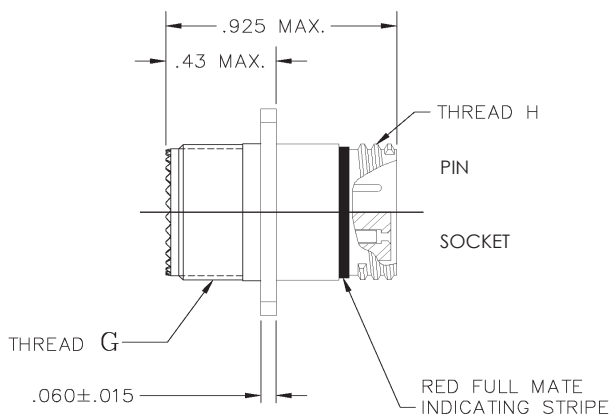


H2DA2* - 222



The HiRel H2DA2*-222 High Density Square Flange Receptacle is designed with a double start ACME thread and a threaded rear accessory. It has four holes that can be mounted and bolted to a panel and is able to accommodate a rear backshell. This H2D receptacle is available in shell sizes 5-21 with any of our standard insert arrangements as well as custom configurations.

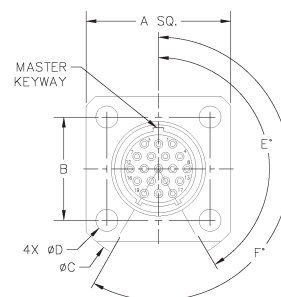
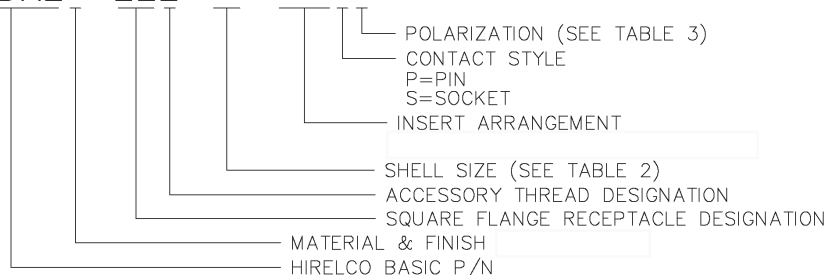


Testing	
Operating Temperature	-65°C to +175°C*
Random Vibration	37g
Shock	300G, half-sine, 3ms, 3 axes
Gunfire Vibration	37g

SHELL SIZE	A ±.015	B ±.015	ØC ±.015	ØD ±.003	THREAD G	THREAD H
05	.530	.363	.680	.093	.2840-32UNS-2A	.3125-.05P-.1L-2A
06	.590	.423	.750		.3370-32UNS-2A	.3750-.05P-.1L-2A
07	.650	.483	.850		.4375-28UNEF-2A	.4375-.05P-.1L-2A
08	.712	.545	.938		.4740-28UNS-2A	.5000-.05P-.1L-2A
09	.850	.607	1.125		.5370-24UNS-2A	.5625-.05P-.1L-2A
10	.890	.670	1.188	.128	.6090-24UNS-2A	.6250-.05P-.1L-2A
13	1.030	.812	1.375		.6875-24UNEF-2A	.8125-.1P-.2L-2A
16	1.219	.981	1.625		.9375-20UNEF-2A	1.000-.1P-.2L-2A
17	1.280	1.060	1.700		.9375-20UNEF-2A	1.062-.1P-.2L-2A
21	1.430	1.205	1.938		1.1875-18UNEF-2A	1.3125-.1P-.2L-2A

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°

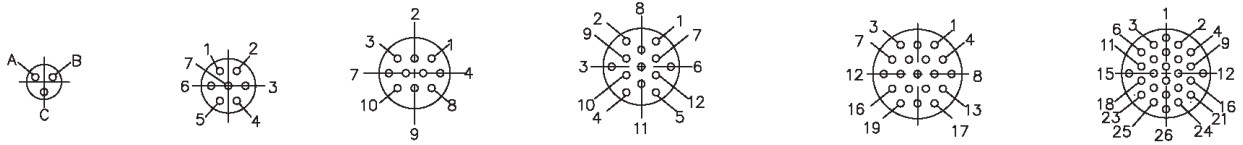
H2DA2*-222-**-*****



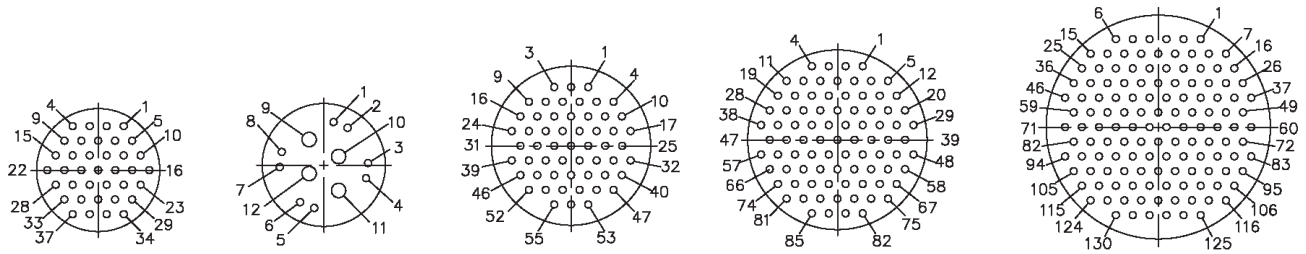
* See "Classes/Finishes" table for exceptions

INSERT ARRANGEMENTS

Front face of pin insert engagement side shown. Socket insert is mirror image of pictured.



Insert Arrangement	05-003	06-007	07-010	08-013	09-019	10-026
No. of Contacts	3	7	10	13	19	26
Contact Size	#23	#23	#23	#23	#23	#23
DWV Voltage (VAC)	500	500	500	500	500	500
Current Rating (Amps)	5	5	5	5	5	5



Insert Arrangement	13-037	13-048	16-055	17-085	21-130
No. of Contacts	37	4	8	55	130
Contact Size	#23	#16	#23	#23	#23
DWV Voltage (VAC)	500	1800	500	500	500
Current Rating (Amps)	5	13	5	5	5

CONTACTS



Contact Pin:

Contact Socket:

Size 23

Size 23

0009-047-000 (22-24 AWG Wire)	0012-049-000 (22-24 AWG Wire)
0009-114-000 (26-28 AWG Wire)	0012-287-000 (26-28 AWG Wire)

CLASSES/FINISHES

Class	Material	Finish
C	Al	Anodize Black**
F	Al	Low Stress Nickel**
W	Al	Olive Drab Cadmium over Nickel
T	Al	Nickel Teflon
Z	Al	Zinc Nickel
B	Ti	Nickel**
K	Cres	Passivated**

For Space Grade Applications, add a "1" after the Class.
Ex: Space Grade Titanium with Nickel plating = B1

** Operating Temperature -65°C to +200°C

TOOLS



Crimp Tool:

Daniels P/N AFM-8
(M22520/2-01)



Positioner:

Daniels P/N K-710A (Socket)
Daniels P/N K-709A (Pin)



Insertion / Extraction Tool:

P/N 08AT024-23 (Size 23)

For hermetic connectors, alternate insert arrangements or connectors with size #16 contacts, please consult factory for more information.