

4

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2

1

PROPRIETARY NOTICE

EAR CONTROLLED PRODUCT

WARNING: INFORMATION SUBJECT TO U.S. EXPORT CONTROL LAWS

REVISIONS

| ZONE | LTR             | DESCRIPTION | DATE    | APPROVED |
|------|-----------------|-------------|---------|----------|
| NR   | INITIAL RELEASE | GCJ         | 9/11/14 | CP       |
| NR1  | SEE DCO-04724   | ES          | 6/12/23 | GTM      |

8

10

12

14

16

18

20

22

24

| SHELL SIZE | A ±.005 | B ±.005 | ØC ±.003 | D THREAD         |
|------------|---------|---------|----------|------------------|
| 8          | .812    | .594    | .497     | .562-24 UNEF-2A  |
| 10         | .937    | .719    | .559     | .688-24 UNEF-2A  |
| 12         | 1.031   | .812    | .747     | .875-20 UNEF-2A  |
| 14         | 1.125   | .906    | .809     | .938-20 UNEF-2A  |
| 16         | 1.250   | .969    | .934     | 1.062-18 UNEF-2A |
| 18         | 1.343   | 1.062   | 1.059    | 1.188-18 UNEF-2A |
| 20         | 1.437   | 1.156   | 1.184    | 1.312-18 UNEF-2A |
| 22         | 1.562   | 1.250   | 1.309    | 1.438-18 UNEF-2A |
| 24         | 1.703   | 1.375   | 1.434    | 1.562-18 UNEF-2A |

2X A

2X B

Ø.116/.123 4X

D THD

3

.728  
.708

.104  
.084

.072  
.052

.194  
.134 FOR #20 CONTACTS

.224  
.164 FOR #12-#16 CONTACTS

ENVELOPE

HiRel CONNECTORS INC

760 W WHARTON DRIVE  
CLAREMONT CA 91711

CONNECTOR, RECEPTACLE, HERMETIC,  
SQ. FLANGE MT., THREADED COUPLING  
HIRELCO SERIES 70000Y

SIZE B

CODE IDENT NO. 34222

DRAWING NO. 70000Y-\*\*-\*\*P\*

SCALE NONE

33848

SHEET 1 OF 1

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL AND FINISHES:  
SHELL-300 SERIES SST, ELECTROPOLISHED  
INSERT-FUSED VITREOUS  
INTERFACIAL SEAL-SILICONE OR FLUOROSILICONE ELASTOMER  
STATIC SEAL-SILICONE OR FLUOROSILICONE ELASTOMER  
CONTACTS (SOLDER CUPS)-IRON ALLOY, GOLD  
PLATED OVER SUITABLE UNDER PLATE.

2. THE CONNECTOR DESCRIBED MEETS  
MECHANICAL AND ELECTRICAL PROPERTIES  
OF MIL-DTL-83723/88N AND MIL-STD-1554.

3. CONNECTOR SHALL BE MARKED IN LOCATION  
SHOWN.

4. SEE INDIVIDUAL PART NUMBER BOM FOR  
DESIGN REVISION STATUS.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:

| FRACTIONS | DECIMALS | ANGLES |
|-----------|----------|--------|
| ± ~       | .XX ± ~  | ± ~    |
|           | .XXX ± ~ |        |

MATERIAL

1

FINISH

1

NEXT ASSY

USED ON

APPLICATION

DO NOT SCALE DRAWING

APPROVALS

DATE

DRAWN G JAWOR

9/11/14

CHECKED C. PHILLIPS

9/11/14

6/15/2023 1:03:43 PM, MANUFACTURING RELEASE