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EAR CONTROLLED PRODUCT

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EXPLANATION OF PART NUMBER

M83723 K 18 31 P N

POLARIZATION: PER MIL-DTL-83723, SERIES III  
("N" REQUIRED FOR NORMAL POLARIZATION)

CONTACT STYLE DESIGNATOR:  
P=PIN  
(FOR SKT SEE M83723/82\*\*\*\*\*)

INSERT ARRANGEMENT: PER MIL-STD-1554 (EXCEPT SIZE 28)

SHELL SIZE DESIGNATOR

CONNECTOR CLASS PER MIL-DTL-83723 SERIES III, SEE TABLE 1

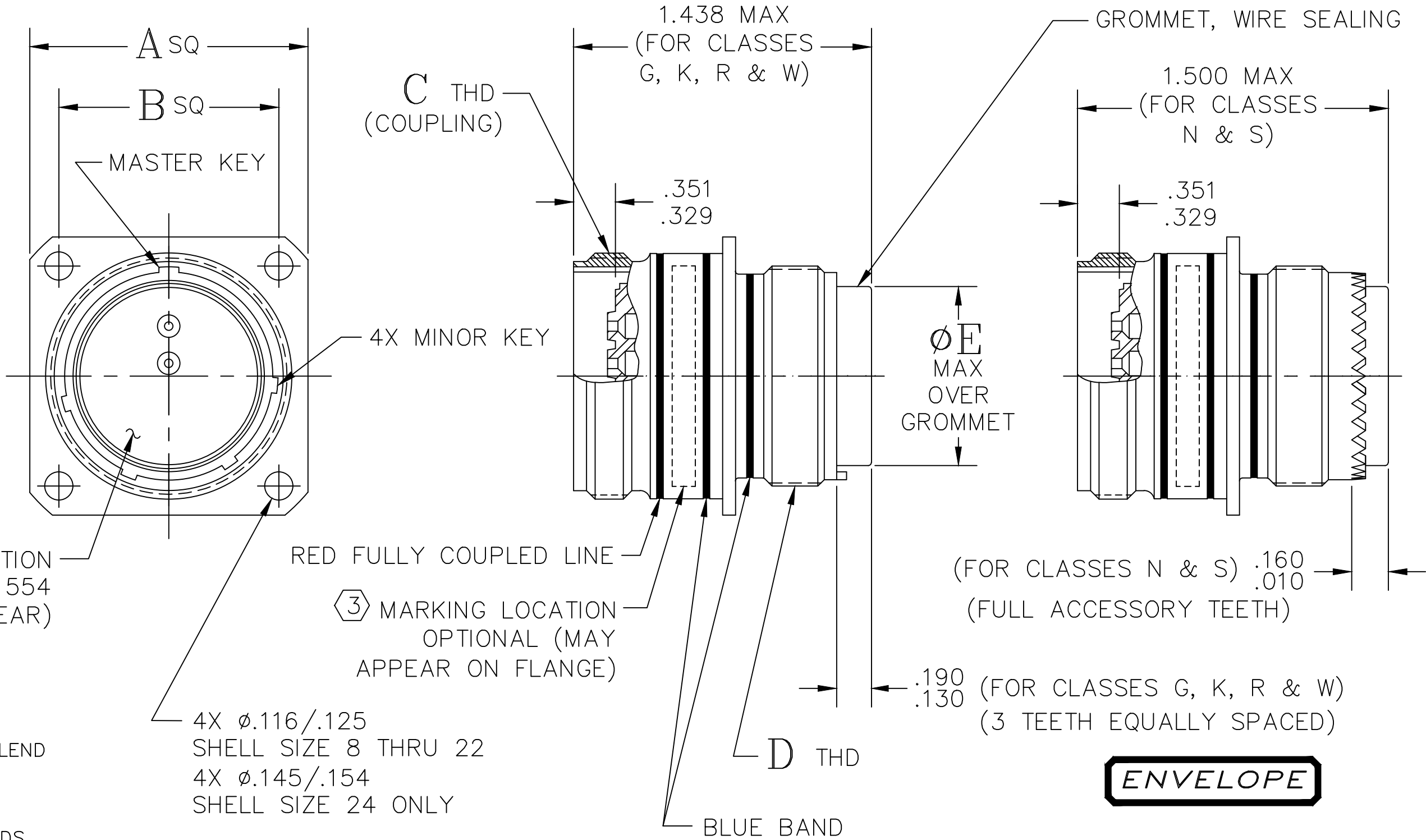
BASIC NUMBER

| REVISIONS |     |                 |             |          |
|-----------|-----|-----------------|-------------|----------|
| ZONE      | LTR | DESCRIPTION     | DATE        | APPROVED |
| NR        |     | INITIAL RELEASE | GCU 9/19/13 | MD       |

| SHELL SIZE | A ±.005 SQ. | B ±.005 SQ. | C CPLG THD    | D THD         | MAX. ØE |
|------------|-------------|-------------|---------------|---------------|---------|
| 8          | .812        | .594        | .5625-24UNEF  | .5000-20UNF   | .305    |
| 10         | .937        | .719        | .6875-24UNEF  | .6250-24UNEF  | .405    |
| 12         | 1.031       | .812        | .8750-20UNEF  | .7500-20UNEF  | .531    |
| 14         | 1.125       | .906        | .9375-20UNEF  | .8750-20UNEF  | .665    |
| 16         | 1.250       | .969        | 1.0625-18UNEF | 1.0000-20UNEF | .790    |
| 18         | 1.343       | 1.062       | 1.1875-18UNEF | 1.0625-18UNEF | .869    |
| 20         | 1.437       | 1.156       | 1.3125-18UNEF | 1.1875-18UNEF | .994    |
| 22         | 1.562       | 1.250       | 1.4375-18UNEF | 1.3125-18UNEF | 1.119   |
| 24         | 1.703       | 1.375       | 1.5625-18UNEF | 1.4375-18UNEF | 1.244   |

TABLE I

| CLASS | MATERIAL | FINISH                                    |
|-------|----------|-------------------------------------------|
| G     | CRES     | PASSIVATED                                |
| K     | CRES     | PASSIVATED W/FIREWALL INSERT              |
| N     | CRES     | ELECTRODEPOSITED NICKEL W/FIREWALL INSERT |
| R     | AL       | ELECTRODEPOSITED NICKEL                   |
| S     | CRES     | PASSIVATED W/FIREWALL INSERT              |
| W     | AL       | O D CADMIUM OVER NICKEL                   |



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL AND FINISH:  
SHELL: PER MIL-DTL-83723 SERIES III, SEE TABLE I  
COUPLING NUT: PER MIL-DTL-83723 SERIES III, SEE TABLE I  
INSULATOR: GLASS REINFORCED EPOXY  
WIRE SEALING GROMMET: RESILIENT FLUOROSILICONE/SILICONE BLEND  
INTERFACIAL SEAL: RESILIENT FLUOROSILICONE/SILICONE BLEND  
CONTACT RETAINING CLIPS: COPPER ALLOY

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF MIL-DTL-83723 SERIES III, MIL-C-83723/83 AND MIL-STD-1554.

3. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR IN ACCORDANCE WITH MIL-STD-130:  
A. MILITARY PART NUMBER  
B. "HIRELCO" OR "HRC" IF SPACE ALLOWS  
C. HIREL'S CAGE NUMBER "34222"  
D. DATE CODE

4. THE FOLLOWING INFORMATION SHALL BE MARKED ON THE CONNECTOR PACKAGE:  
A. HIREL PART NUMBER OR CUSTOMER PART NUMBER (AS REQUIRED BY P.O. OR CUSTOMER SPECIFICATIONS)  
B. "HIRELCO"  
C. HIREL'S CAGE NUMBER "34222"

| QTY<br>REQ'D                                                                                                                                            | CODE<br>IDENT | PART OR<br>IDENTIFYING NO.                                                             | NOMENCLATURE<br>OR DESCRIPTION |            |                                                                 |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------|--------------------------------|------------|-----------------------------------------------------------------|----------------|
| PARTS LIST                                                                                                                                              |               |                                                                                        |                                |            |                                                                 |                |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>FRACTIONS    DECIMALS    ANGLES<br>± ~        .XX ± .01 ± ~<br>.XXX ± .005 |               | <div>HiREL CONNECTORS INC.</div> <div>760 W WHARTON DRIVE<br/>CLAREMONT CA 91711</div> |                                |            |                                                                 |                |
|                                                                                                                                                         |               |                                                                                        |                                |            |                                                                 | APPROVALS      |
| MATERIAL<br><div>1</div>                                                                                                                                |               | DRAWN                                                                                  | G JAWOR                        | 9/19/13    | CONNECTOR, RECEPTACLE<br>THREADED COUPLING<br>FLANGE MOUNT, PIN |                |
|                                                                                                                                                         |               | CHECKED                                                                                | M. DISHMAN                     | 9/19/13    |                                                                 |                |
|                                                                                                                                                         |               |                                                                                        |                                |            |                                                                 |                |
|                                                                                                                                                         |               |                                                                                        |                                |            |                                                                 |                |
| FINISH<br><div>1</div>                                                                                                                                  |               |                                                                                        |                                | SIZE       | CODE IDENT NO.                                                  | DRAWING NO.    |
|                                                                                                                                                         |               |                                                                                        |                                | C          | 34222                                                           | M83723/83***** |
| DO NOT SCALE DRAWING                                                                                                                                    |               |                                                                                        |                                | SCALE NONE | 32299                                                           | SHEET 1 OF 1   |

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