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|-----------|----------------------|--------------|--|---------------|--|
| C         |                      | SHEET 1 OF 1 |  | 21-033384-211 |  |
| REVISIONS |                      |              |  |               |  |
| LTR       | DESCRIPTION          | DATE         |  |               |  |
| A         | INITIAL RELEASE      | 1/21/2009    |  |               |  |
| B         | (CL 1) SEE ECN A8108 | 10/14/2009   |  |               |  |
| C         | (CL 1) SEE ECN B1336 | -----        |  |               |  |

21-033384-211

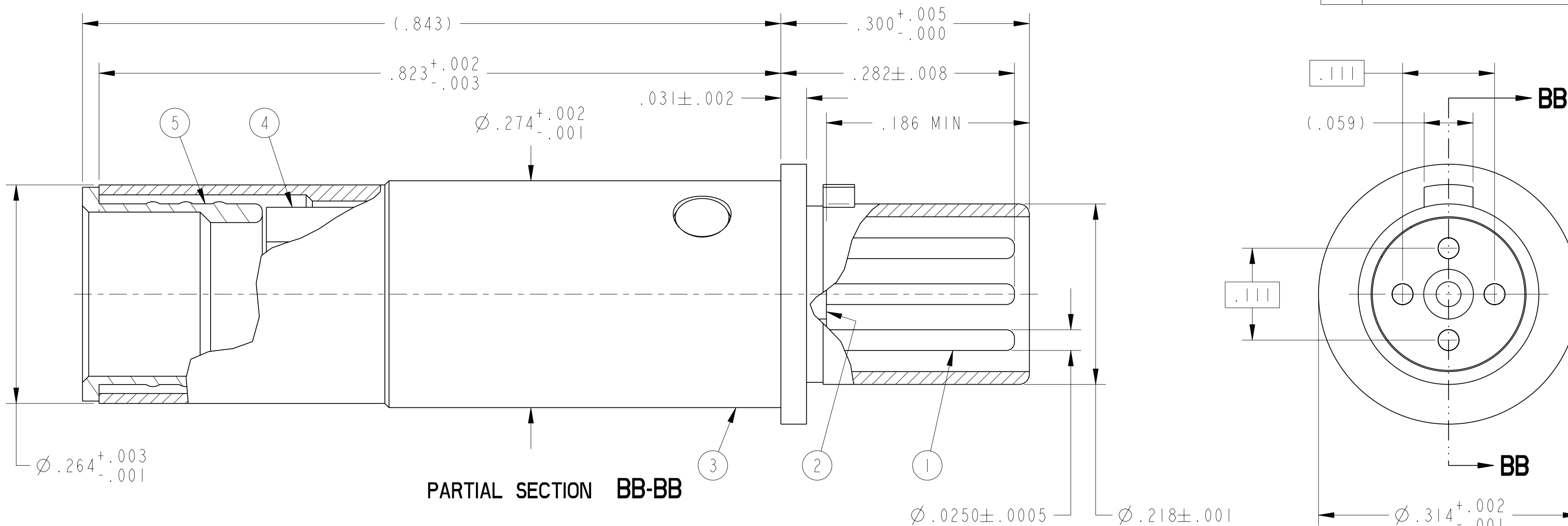
SHEET 1 OF 1

C

C

B

A



PARTIAL SECTION BB-BB

7. MATES WITH M38999 QUADRAX SOCKETS 21-033385-( ).
6. CRIMPING TOOLS:  
 OUTER CONTACT- M22520/5-01 TOOL, M22520/5-45 DIE SET (HEX CLOSURE A)  
 INNER CONTACTS- M22520/2-01 TOOL, DANIELS K709 (M22520/2-37) POSITIONER
5. TERMINATES QUADRAX CABLE TENSOLITE 24450/03089X-4(LD) (110 OHM) OR EQUIVALENT.
4. DRAWING ILLUSTRATES FINAL ASSEMBLY. CONTACT COMPONENTS ARE SHIPPED UNASSEMBLED. INSTALLATION INSTRUCTIONS & PIGGYBACK GROMMET SEAL (NOT ILLUSTRATED) ARE PACKAGED WITH EACH ASSEMBLY. PACKAGE PER PRODUCTION PROCESS SHEET.
3. MATERIALS:  
 OUTER & INNER CONTACTS- BERYLLIUM COPPER PER ASTM-B-196  
 SHIELD FERRULE- BRASS PER ASTM B453 OR QQ-B-626  
 FRONT INSULATOR & SPACER INSULATOR- TFE RESIN PER ASTM 3651
2. FINISH:  
 GOLD PLATED PER MIL-G-45204 TYPE II, GRADE C, CLASS I (.000050 MIN)  
 OVER NICKEL PLATE PER QQ-N-290 (.000050 MIN).
1. CONTACTS MEET THE ENVELOPE DIMENSIONAL REQUIREMENTS OF M39029/90.

NOTES:

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N/A  
NEXT ASSEMBLY

PRO/ENGINEER INFORMATION  
Pro/e Model Used:  
21-033384-211.ASSEM  
Drawing Name:  
21-033384-211

UNLESS OTHERWISE SPECIFIED

SPECIFICATIONS

LINER DIMENSIONS ARE IN INCHES  
TOLERANCES:  
 .XXXX = ±.0005 ANGLES= ±2°  
 .XXX = ±.010  
 .XX = ±.03  
 .X = ±.1

DIM. & TOL. PER ASME Y14.5M;  
 DRM PER MIL-DTL-31000;  
 OTHER Amphenol Stds. PER 9-3800

LEGENDS:  
 =FLAG NOTE CALL OUT REFERENCE ONLY

MATERIAL SPEC.  
N/A

PROCESS SPEC.  
N/A

| POS | QTY | PART NUMBER                          | DESCRIPTION               | NOTE |
|-----|-----|--------------------------------------|---------------------------|------|
| 7   | 1   | L-2119-CD                            | INSTALLATION INSTRUCTIONS | 4    |
| 6   | 1   | 21-033321-030                        | PIGGYBACK GROMMET SEAL    | 4    |
| 5   | 1   | 21-033384-036                        | SHIELD FERRULE            |      |
| 4   | 1   | 21-033382-005<br>OR<br>21-033382-025 | SPACER INSULATOR          |      |
| 3   | 1   | 21-033384-044                        | OUTER CONTACT             |      |
| 2   | 1   | 21-033384-053                        | FRONT INSULATOR           |      |
| 1   | 4   | 21-033384-032                        | INNER CONTACT             |      |

| APPROVALS                                 | DATE      |
|---|-----------|
| PREPARED BY<br>D. PHILLIPS                |           |
| ENGINEER IN CHARGE<br>L. RATCHFORD        | 14-Jan-09 |
| DESIGN MANAGER<br>H. JOHNSON              |           |
| DESIGN ACTIVITY GROUP<br>MIL-AERO DEVELOP |           |

PARTS LIST

**AMPHENOL CORPORATION**  
 40-60 DELAWARE AVENUE  
 SIDNEY, NY 13858

**CONTACT, PIN, QUADRAX,  
 ELECTRICAL CONNECTOR,  
 TYPE M38999 I & III, IEEE 1394B**

|                  |                           |                                      |                  |
|------------------|---------------------------|--------------------------------------|------------------|
| SIZE<br><b>C</b> | CAGE CODE<br><b>77820</b> | DOCUMENT NO.<br><b>21-033384-211</b> | REV.<br><b>C</b> |
| SCALE: 10:0      |                           | REF.<br>21-33384-61                  | SHEET 1 OF 1     |

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