

CONTACTS
REFERENCE ONLY
SEE NOTE 4

| CONTACT SIZE | PIN PART NO. | SOCKET PART NO. |
|--------------|---------------|-----------------|
| 12 | 10-597502-105 | 10-597503-75 |
| 16 | 10-497630-55 | 10-497649-75 |
| 20 | 10-497640-25 | 10-497643-25 |
| 22D | 10-407552-55 | 10-497623-335 |

FOR ILLUSTRATION AND DIMENSIONAL DATA
SEE 10-536197-DS TYPE I

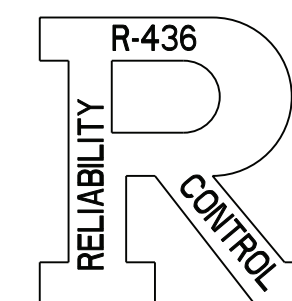
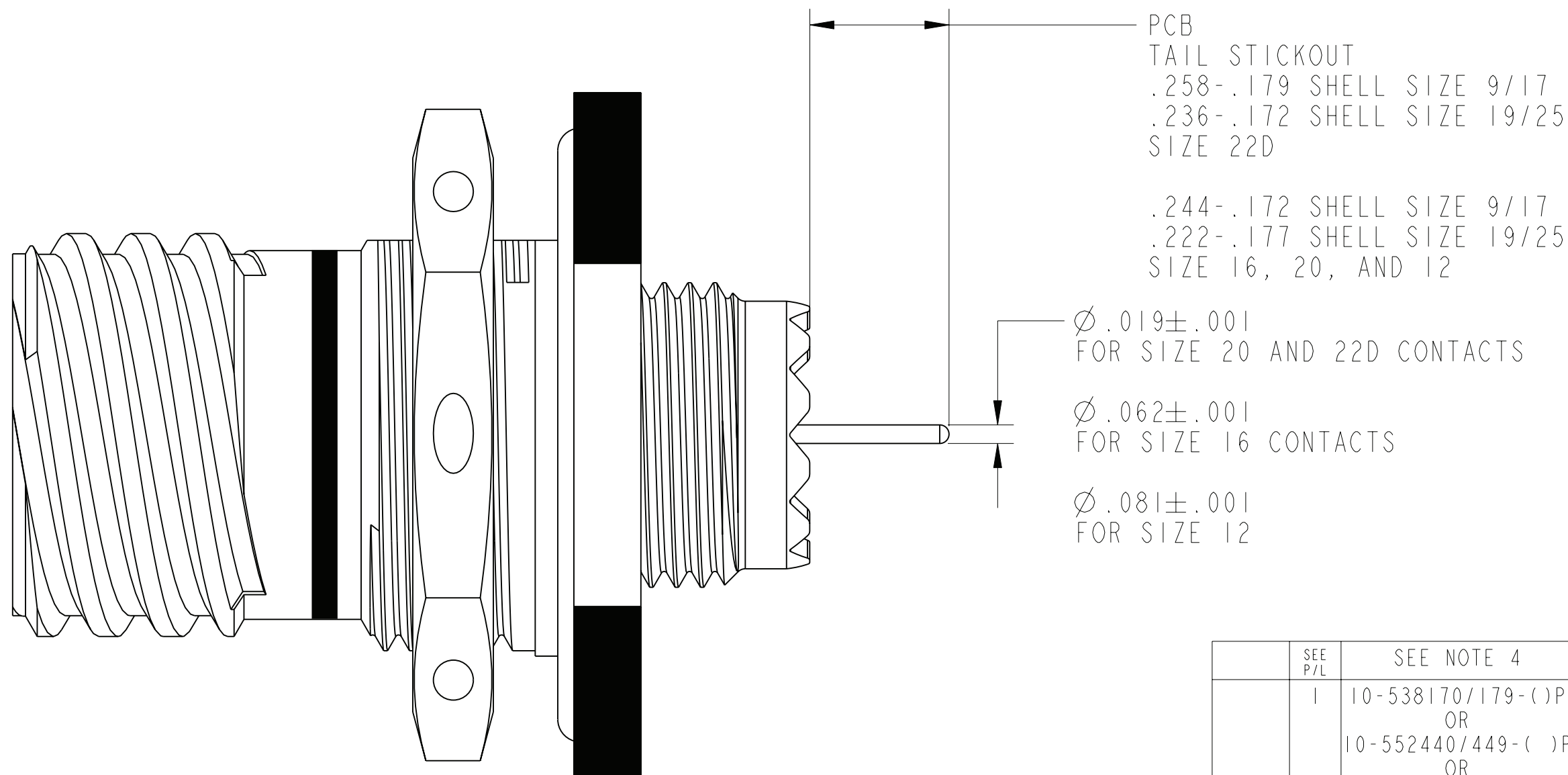
91-569780/789 IS THE SAME AS 91-552650/659
EXCEPT: WITH PCB CONTACTS (SEE NOTE 5)

IDENTIFICATION STAMPING 9-5788
SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL
OR ALTERNATE STAMPING
STAMP "AMPHENOL", PART NO., AND DATE CODE (PER
9-3895) PER 9-5788

EXAMPLE:
AMPHENOL 91-569788-35S 0109

FOR ROTATED MASTER KEYWAYS
EXAMPLE:
AMPHENOL 91-569788-35H 0109

| REVISIONS | | |
|-----------|--|------------------|
| LTR | DESCRIPTION | DATE |
| A | INITIAL RELEASE | |
| B | (CL 11) SEE CHANGE NOTICE ECN: A6943 | 3-2-09 JONES |
| C | (CL 11) LOCATION C2 CHG'D DIMENSION; CORRECTED DESC BLOCK ECN: A8363 | 6-30-10 JONES |



| SEE P/L | SEE NOTE 4 | CONTACT | QTY |
|---------|---|----------------|--------|
| I | 10-538170/179-()P OR 10-552440/449-()P OR 10-417307/50-()S OR 10-555407/429-()S | INSERT, PIN | 5 |
| | | INSERT, SOCKET | 2 4 |
| I | SEE COLUMN | PACKING | |
| I | SEE COLUMN | HEX NUT | |
| I | 10-427499-XXI | GASKET | |
| I | SEE COLUMN | SHELL | |

NOTES: SEE SHEET 2

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

| PRO/ENGINEER INFORMATION | |
|--------------------------|-------------------|
| N/A | Pro/e Model Used: |
| N/A | MODEL NAME, DRAFT |
| | Drawing Name: |
| | 71-94-569780-789 |

| UNLESS OTHERWISE SPECIFIED | SPECIFICATIONS | POS | QTY | PART NUMBER | DESCRIPTION | NOTE |
|---|--|----------------------------------|-----|---------------|---|-----------|
| LINEAR 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 Sds. PER 9-3800 LEGENDS: =FLAG NOTE CALL OUT REFERENCE ONLY | MATERIAL SPEC. N/A PROCESS SPEC. SEE NOTE 6 | | | | | |
| | | APPROVALS | | DATE | PARTS LIST | |
| | | PREPARED BY D. ALGER | | | AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13858 | |
| | | ENGINEER IN CHARGE D. FREAR | | 02-Mar-09 | CONNECTOR, ELECTRICAL RECEPTACLE, TYPE TV07-R | |
| | | DESIGN MANAGER E. SHEPLER | | | | |
| | | DESIGN ACTIVITY GROUP MILAERO | | | | |
| | | THIRD ANGLE PROJECTION | | | | |
| | | SCALE: DRAWING SCALE | | 91-552650/659 | DOCUMENT NO. 71/94-569780/789 | REV. C |
| | | | | | SHEET 1 OF 2 | |

| ASSEMBLY NUMBER | TV REF NUMBER | SHELL | HEX NUT | PACKING |
|-----------------|---------------|---------------------|-----------------|---------------|
| ()-569780-() | 07R- 7() | | | |
| 1-() | - 9() | 10-538515/520- 9() | 10-538980- 9() | 10-247918- 19 |
| 2-() | -11() | 10-538515/520-11() | 10-538980-11() | 10-247918- 22 |
| 3-() | -13() | 10-538515/520-13() | 10-538980-13() | 10-247918- 24 |
| 4-() | -15() | 10-538515/520-15() | 10-538980-15() | 10-247918- 26 |
| 5-() | -17() | 10-538515/520-17() | 10-538980-17() | 10-247918- 28 |
| 6-() | -19() | 10-538515/520-19() | 10-538980-19() | 10-247918-128 |
| 7-() | -21() | 10-538515/520-21() | 10-538980-21() | 10-247918-130 |
| 8-() | -23() | 10-538515/520-23() | 10-538980-23() | 10-247918-132 |
| ()-569789-() | -25() | 10-538515/520-25() | 10-538980-25() | 10-247918-134 |

TO COMPLETE, ADD INSERT ARRANGEMENT SUFFIX PER 9-2437-25

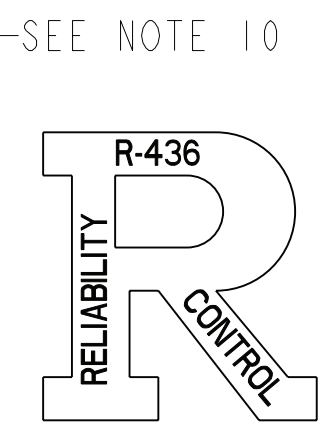
SEE FINISH DATA TABLE COMPONENT SUFFIX COLUMN SEE NOTE 10

SEE FINISH DATA TABLE ASSY. NO. PREFIX

- 10. FOR HEX NUT FINISH COMPONENT SUFFIX TO BE -XXG.
- 9. DIMENSION IS FROM THE FRONT OF FLANGE TO THE FURTHEST PROTRUDING POINT OF GROMMET OR SHELL.
- 8. PACKAGE PER PRODUCTION PROCESS SHEET.
- 7. UNITS MEET THE APPLICABLE REQUIREMENTS OF MIL-DTL-38999.
- 6. PROCESS SPEC;
 TEST 9-5726;
 ASSY 9-4407-3, 9-5047-4
 SPECIAL CONTROL 9-6000-5
 PROCESS CONTROL 9-4796
 9-2437-25, 9-5788, 9-3895
- 5. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. CONTACTS ARE SHIPPED ASSEMBLED.
- 4. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.
- 3. FOR MATING CONNECTOR, SEE 91-538240/249 AND OTHERS.
- 2. INSERT ASSEMBLY IS NOT REMOVABLE.
- 1. FOR CONTACT ARRANGEMENTS DATA, SEE DRAWING L-15206-() THRU L-15250-(). ALTERNATE POSITIONS THEREON DO NOT APPLY.

NOTES:
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| FINISH DATA | | | |
|------------------|-------------------|------------------------------|------------------|
| ASSY. NO. PREFIX | TVP NO. VARIATION | FINISH | COMPONENT SUFFIX |
| 71- | (003) | OLIVE DRAB | -XX3 |
| 72- | (005) | ANODIC COATED | -XX5 |
| 73- | (004) | GREY ANODIZED | -XX4 |
| 74- | | NOT AVAILABLE | |
| 75- | | | |
| 76- | (001) | BRIGHT CADMIUM | -XX1 |
| 77- | | NOT AVAILABLE | |
| 78- | | | |
| 79- | (009) | BRIGHT NICKEL | -XX8 |
| 80- | | NOT AVAILABLE | |
| 81- | | | |
| 82- | | NOT AVAILABLE | |
| 83- | | | |
| 84- | | | |
| 85- | | | |
| 86- | (011) | CHROMATE TREATED | -XX0 |
| 87- | — | CADMIUM PLATED NICKEL BASE | -XX7 |
| 88- | (014) | OLIVE DRAB NICKEL BASE | -XX9 |
| 91- | (023) | NICKEL PLATED | -XXH |
| 93- | (025) | BLACK ZINC ALLOY PLATE | -XXY |
| 94- | (024) | OLIVE GREEN ZINC ALLOY PLATE | -XXU |



SEE NOTE 10

71/94-569780/789 SHEET 2 OF 2 REV. C

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