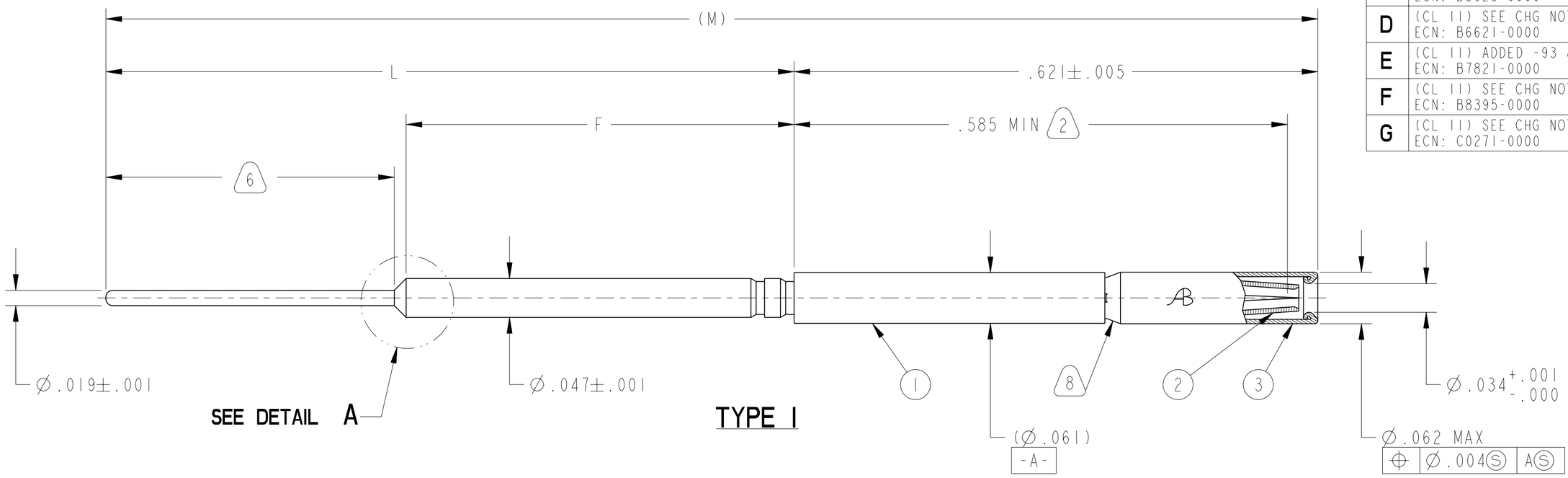
| REVISIONS | | |
|---|---|---|
| LTR | DESCRIPTION | DATE |
| A | INITIAL RELEASE | 1/25/10 |
| B | (CL 11) SEE CHG NOTICE ECN: B1963-0000 | 12/12/11 |
| C | (CL 11) SEE CHG NOTICE ECN: B5923-0000 | 6/14/13 |
| D | (CL 11) SEE CHG NOTICE ECN: B6621-0000 | 1/22/14 |
| E | (CL 11) ADDED -93 & -094 ECN: B7821-0000 | 2/26/14 |
| F | (CL 11) SEE CHG NOTICE ECN: B8395-0000 | 4/30/14 |
| G | (CL 11) SEE CHG NOTICE ECN: C0271-0000 | 4/18/16 |






TYPE I

8 CRIMP SLEEVE AND SPRING TIGHTLY TO BODY PER 9-9383. A 15 POUND AXIAL LOAD SHALL NOT DISLODGE SPRING. SLEEVE SHALL WITHSTAND A .4 IN-OZ TORQUE WITHOUT SPINNING.

7. SPECIFIED GENERAL TOLERANCES:
⌖ Ø.005Ⓢ

6 INDICATED AREA MEETS THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.

5. MEETS THE APPLICABLE REQUIREMENTS OF M39029/56.

4. ALL DIMENSIONS ARE AFTER PLATING.

3. PROCESS SPEC:
ASSY 9-9383
TEST 9-5272-16

2 INDICATED DIMENSION TO BE FROM SHOULDER TO POINT OF ENGAGEMENT OF SPRING AND A.0300±.0002 DIAMETER SQUARE ENDED PIN.

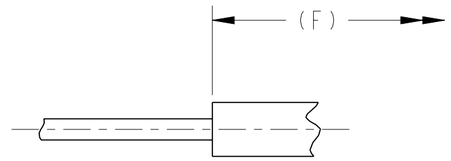
1. A.0305+.0002-.0000 DIA HARDENED STEEL PIN SHALL ENGAGE SOCKET WITH A FORCE NOT GREATER THAN 9.5 OZ. A .0295+.0000-.0002 DIAMETER HARDENED STEEL PIN SHALL DISENGAGE SOCKET WITH A FORCE NOT LESS THAN 1.25 OZ. DEPTH OF ENGAGEMENT OF PINS SHALL BE .116 MIN. FROM FRONT OF CONTACT. PINS SHALL HAVE A SPHERICAL TIP AND A 3/ FINISH.

NOTES:

10. SOCKET SPRING TINES (ITEM 2) ARE GOLD PLATED PER AS39029 REQUIREMENTS.

9 TO COMPLETE PART NUMBER, ADD APPLICABLE SUFFIX DIGIT FOR CONTACT BODY FINISH

| SUFFIX DIGIT | FINISH |
|---|---|
| 1 | GOLD 20-30 MICROINCHES |
| 5 | GOLD 9-7362-5 |
| D | GOLD 9-7362-D |




DETAIL A
TYPE II
SCALE 10

| POS | QTY | PART NUMBER | DESCRIPTION | NOTE |
|---|---|---|---|---|
| 3 | 1 | 10-407914-22B | SLEEVE | 8 |
| 2 | 1 | 10-597871-725 | SPRING | 8 |
| 1 | 1 | 10-597879-( ) | CONTACT BODY | |

PARTS LIST

| UNLESS OTHERWISE SPECIFIED | SPECIFICATIONS |
|---|---|
| LINEAR DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>.XXXX = ±.0005 ANGLES= ±2°<br>.XXX = ±.010<br>.XX = ±.03<br>.X = ±.1<br>---<br>DIM.& TOL. PER ASME Y14.5M;<br>DRM PER MIL-DTL-31000;<br>OTHER Amphenol Stds. PER 9-3800<br>LEGENDS:<br>=FLAG NOTE CALL OUT<br>REFERENCE ONLY | MATERIAL SPEC.<br>N/A<br>PROCESS SPEC.<br>SEE NOTE 3 |

| APPROVALS | DATE |
|---|---|
| PREPARED BY HTANG | 20-Feb-09 |
| ENGINEER IN CHARGE LRATCHFORD | |
| DESIGN MANAGER HJOHNSON | |
| DESIGN ACTIVITY GROUP MIL-AER DEVELOP | |

THIRD ANGLE PROJECTION

AMPHENOL CORPORATION
40-60 DELAWARE AVENUE
SIDNEY, N.Y. 13838

CONTACT, SOCKET,
ELECTRICAL CONNECTOR
SIZE 22D, TYPE LJT-R, HYBRID, PCB

| SIZE | CAGE CODE | DOCUMENT NO. | REV. |
|---|---|---|---|
| C | 77820 | 10-597878-( ) | G |

SCALE: 10.0 | REF. 10-597872-451 | SHEET 1 OF 4

10-497623

PRO/ENGINEER INFORMATION
Pro/e Model Used:
10-597878.ASSEM
Drawing Name:
10-597878

N/A
NEXT ASSEMBLY

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| ASSEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-01( ) | 10-597879-01( ) | $.460^{+.000}_{-.015}$ | .816±.005 | 1.439 | |
| 10-597878-02( ) | 10-597879-02( ) | $1.123^{+.000}_{-.015}$ | 1.393±.005 | 2.016 | |
| 10-597878-03( ) | 10-597879-03( ) | $.460^{+.000}_{-.015}$ | .873±.005 | 1.496 | |
| 10-597878-04( ) | 10-597879-04( ) | $.460^{+.000}_{-.015}$ | .733±.005 | 1.356 | |
| 10-597878-05( ) | 10-597879-05( ) | $.460^{+.000}_{-.015}$ | 1.031±.005 | 1.654 | |
| 10-597878-06( ) | 10-597879-06( ) | $1.000^{+.000}_{-.015}$ | 1.393±.005 | 2.016 | |
| 10-597878-07( ) | 10-597879-07( ) | $.460^{+.000}_{-.015}$ | .671±.005 | 1.294 | |
| 10-597878-08( ) | 10-597879-08( ) | $.460^{+.000}_{-.015}$ | .768±.005 | 1.391 | I |
| 10-597878-09( ) | 10-597879-09( ) | $.525^{+.000}_{-.015}$ | .700±.005 | 1.323 | |
| 10-597878-10( ) | 10-597879-10( ) | $.460^{+.000}_{-.015}$ | .553±.005 | 1.176 | |
| 10-597878-11( ) | 10-597879-11( ) | $.460^{+.000}_{-.015}$ | 1.091±.005 | 1.714 | |
| 10-597878-12( ) | 10-597879-12( ) | $.525^{+.000}_{-.015}$ | .665±.005 | 1.288 | |
| 10-597878-13( ) | 10-597879-13( ) | .840±.005 | 1.090±.005 | 1.713 | |
| 10-597878-14( ) | 10-597879-14( ) | $.900^{+.000}_{-.015}$ | $1.139^{+.000}_{-.015}$ | 1.762 | |
| 10-597878-15( ) | 10-597879-15( ) | .460±.005 | .948±.005 | 1.571 | |

| ASSEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-16( ) | 10-597879-16( ) | .340±.005 | .453±.005 | 1.076 | |
| 10-597878-17( ) | 10-597879-17( ) | $1.200^{+.000}_{-.015}$ | 2.392±.005 | 3.015 | |
| 10-597878-18( ) | 10-597879-18( ) | $.280^{+.000}_{-.015}$ | .585±.005 | 1.208 | |
| 10-597878-19( ) | 10-597879-19( ) | .303±.005 | .454±.003 | 1.077 | |
| 10-597878-20( ) | 10-597879-20( ) | $1.123^{+.000}_{-.015}$ | 1.427±.005 | 2.050 | I |
| 10-597878-21( ) | 10-597879-21( ) | .275±.003 | .477±.005 | 1.100 | |
| 10-597878-22( ) | 10-597879-22( ) | .439±.010 | .590±.005 | 1.213 | |
| 10-597878-23( ) | 10-597879-23( ) | .485±.005 | .739±.003 | 1.362 | |
| 10-597878-24( ) | 10-597879-24( ) | .415±.007 | .790±.003 | 1.413 | |
| 10-597878-25( ) | 10-597879-25( ) | .729±.003 | .953±.005 | 1.576 | II |
| 10-597878-26( ) | 10-597879-26( ) | $.486^{+.000}_{-.015}$ | 1.048±.010 | 1.671 | |
| 10-597878-27( ) | 10-597879-27( ) | $.525^{+.000}_{-.015}$ | 1.102±.003 | 1.725 | I |
| 10-597878-28( ) | 10-597879-28( ) | .621±.005 | .801±.005 | 1.424 | |
| 10-597878-29( ) | 10-597879-29( ) | .876±.005 | 1.073±.005 | 1.696 | II |
| 10-597878-30( ) | 10-597879-30( ) | .590±.003 | .690±.002 | 1.313 | |

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| ASSEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-31( ) | 10-597879-31( ) | .460 +.000 -.015 | .783±.005 | 1.406 | |
| 10-597878-32( ) | 10-597879-32( ) | .804±.005 | 1.129±.003 | 1.752 | I |
| 10-597878-33( ) | 10-597879-33( ) | .479±.005 | .754±.003 | 1.377 | |
| 10-597878-34( ) | 10-597879-34( ) | .460±.005 | 1.203±.003 | 1.826 | |
| 10-597878-35( ) | 10-597879-35( ) | .450±.005 | .880±.005 | 1.503 | |
| 10-597878-36( ) | 10-597879-36( ) | .520±.003 | .747±.005 | 1.370 | II |
| 10-597878-37( ) | 10-597879-37( ) | .730±.003 | .830±.002 | 1.453 | |
| 10-597878-38( ) | 10-597879-38( ) | .460 +.000 -.015 | 1.017±.003 | 1.640 | |
| 10-597878-39( ) | 10-597879-39( ) | 1.577±.005 | 1.687±.005 | 2.310 | I |
| 10-597878-40( ) | 10-597879-40( ) | .280 +.000 -.015 | .782±.005 | 1.405 | |
| 10-597878-41( ) | 10-597879-41( ) | .588 +.003 -.000 | .730±.003 | 1.353 | II |
| 10-597878-42( ) | 10-597879-42( ) | .623±.005 | .748±.005 | 1.371 | |
| 10-597878-43( ) | 10-597879-43( ) | .340±.005 | .460±.005 | 1.083 | |
| 10-597878-44( ) | 10-597879-44( ) | .280 +.000 -.015 | .782±.005 | 1.405 | I |
| 10-597878-45( ) | 10-597879-45( ) | 1.450 +.000 -.015 | 2.167±.003 | 2.790 | |
| 10-597878-46( ) | 10-597879-46( ) | .520±.005 | .833±.002 | 1.456 | |
| 10-597878-47( ) | 10-597879-47( ) | .600±.003 | .700±.003 | 1.323 | II |
| 10-597878-48( ) | 10-597879-48( ) | .280 +.000 -.015 | .550±.005 | 1.173 | |
| 10-597878-49( ) | 10-597879-49( ) | .280±.005 | .805±.005 | 1.428 | I |
| 10-597878-50( ) | 10-597879-50( ) | .257±.005 | .503±.005 | 1.126 | |

| ASEEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-51( ) | 10-597879-51( ) | .280 +.000 -.015 | .715±.005 | 1.338 | |
| 10-597878-52( ) | 10-597879-52( ) | .580±.003 | .830±.005 | 1.453 | I |
| 10-597878-53( ) | 10-597879-53( ) | .460 +.000 -.015 | .965±.003 | 1.588 | |
| 10-597878-54( ) | 10-597879-54( ) | .479±.005 | 1.054±.005 | 1.677 | |
| 10-597878-55( ) | 10-597879-55( ) | .750±.005 | 1.060±.005 | 1.683 | II |
| 10-597878-56( ) | 10-597879-56( ) | .800±.005 | .986±.005 | 1.609 | |
| 10-597878-57( ) | 10-597879-57( ) | .280 +.000 -.015 | .420±.003 | 1.043 | I |
| 10-597878-58( ) | 10-597879-58( ) | .637±.003 | 1.075±.004 | 1.698 | II |
| 10-597878-59( ) | 10-597879-59( ) | .460 +.000 -.015 | .850±.005 | 1.473 | |
| 10-597878-60( ) | 10-597879-60( ) | .600±.005 | .938±.005 | 1.561 | I |
| 10-597878-61( ) | 10-597879-61( ) | .410±.003 | .690±.003 | 1.313 | |
| 10-597878-62( ) | 10-597879-62( ) | .438±.005 | .754±.003 | 1.377 | II |
| 10-597878-63( ) | 10-597879-63( ) | .280 +.000 -.015 | .825±.005 | 1.448 | |
| 10-597878-64( ) | 10-597879-64( ) | .590±.005 | .901±.005 | 1.524 | |
| 10-597878-65( ) | 10-597879-65( ) | .460±.005 | .915±.005 | 1.538 | |
| 10-597878-66( ) | 10-597879-66( ) | .460±.005 | .645±.003 | 1.268 | I |
| 10-597878-67( ) | 10-597879-67( ) | .280±.005 | 1.015±.005 | 1.638 | |
| 10-597878-68( ) | 10-597879-68( ) | .735±.005 | 1.169±.005 | 1.792 | |
| 10-597878-69( ) | 10-597879-69( ) | .376±.005 | .995±.005 | 1.618 | |

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| ASSEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-70( ) | 10-597879-70( ) | .665±.002 | .921±.002 | 1.544 | II |
| 10-597878-71( ) | 10-597879-71( ) | .460±.005 | .655±.003 | 1.278 | I |
| 10-597878-72( ) | 10-597879-72( ) | .515±.003 | .830±.005 | 1.453 | II |
| 10-597878-73( ) | 10-597879-73( ) | .455±.005 | .603±.003 | 1.226 | |
| 10-597878-74( ) | 10-597879-74( ) | .984±.005 | 1.215±.005 | 1.838 | |
| 10-597878-75( ) | 10-597879-75( ) | .279±.005 | .754±.003 | 1.377 | I |
| 10-597878-76( ) | 10-597879-76( ) | .381±.005 | .645±.003 | 1.268 | |
| 10-597878-77( ) | 10-597879-77( ) | .555±.005 | .840±.005 | 1.463 | II |
| 10-597878-78( ) | 10-597879-78( ) | .690±.005 | 1.260±.005 | 1.883 | I |
| 10-597878-79( ) | 10-597879-79( ) | .607±.005 | .895±.005 | 1.518 | |
| 10-597878-80( ) | 10-597879-80( ) | $.685^{+.000}_{-.015}$ | .915±.003 | 1.538 | II |
| 10-597878-81( ) | 10-597879-81( ) | .270±.005 | .645±.005 | 1.268 | I |
| 10-597878-82( ) | 10-597879-82( ) | .722±.005 | .952±.003 | 1.575 | II |
| 10-597878-83( ) | 10-597879-83( ) | .900±.005 | 1.365±.005 | 1.988 | II |
| 10-597878-84( ) | 10-597879-84( ) | .447±.003 | .868±.003 | 1.491 | II |
| 10-597878-85( ) | 10-597879-85( ) | $.325^{+.000}_{-.015}$ | .692±.005 | 1.315 | I |
| 10-597878-86( ) | 10-597879-86( ) | $.280^{+.000}_{-.015}$ | .675±.005 | 1.298 | I |
| 10-597878-87( ) | 10-597879-87( ) | .710±.003 | .910±.005 | 1.533 | II |
| 10-597878-88( ) | 10-597879-88( ) | $.280^{+.000}_{-.015}$ | .465±.003 | 1.088 | I |
| 10-597878-89( ) | 10-597879-89( ) | .732±.005 | .950±.005 | 1.573 | I |

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| ASSEMBLY NUMBER | BODY | F | L | (M) | TYPE |
|---|---|---|---|---|---|
| 10-597878-90( ) | 10-597879-90( ) | $.280^{+.000}_{-.015}$ | .530±.003 | 1.153 | I |
| 10-597878-91( ) | 10-597879-91( ) | .608±.005 | .978±.005 | 1.601 | I |
| 10-597878-92( ) | 10-597879-92( ) | $.280^{+.000}_{-.015}$ | .612±.003 | 1.235 | I |
| 10-597878-93( ) | 10-597879-93( ) | $.460^{+.000}_{-.015}$ | .845±.005 | 1.468 | I |
| 10-597878-94( ) | 10-597879-94( ) | .280±.005 | .627±.003 | 1.250 | I |
| 10-597878-95( ) | 10-597879-95( ) | $.460^{+.000}_{-.015}$ | .895±.005 | 1.518 | I |
| 10-597878-96( ) | 10-597879-96( ) | .410±.003 | .698±.003 | 1.319 | I |
| 10-597878-97( ) | 10-597879-97( ) | .415±.007 | .795±.003 | 1.416 | I |
| 10-597878-98( ) | 10-597879-98( ) | .275±.003 | .568±.005 | 1.189 | I |
| 10-597878-99( ) | 10-597879-99( ) | .735±.005 | 1.067±.005 | 1.688 | I |
| 10-597878-100( ) | 10-597879-100( ) | .415±.007 | .900±.003 | 1.521 | I |
| 10-597878-101( ) | 10-597879-101( ) | $.486^{+.000}_{-.015}$ | 1.142±.005 | 1.763 | I |
| 10-597878-102( ) | 10-597879-102( ) | $.280^{+.000}_{-.015}$ | .660±.002 | 1.281 | I |
| 10-597878-103( ) | 10-597879-103( ) | $.460^{+.000}_{-.015}$ | 1.000±.005 | 1.621 | I |

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