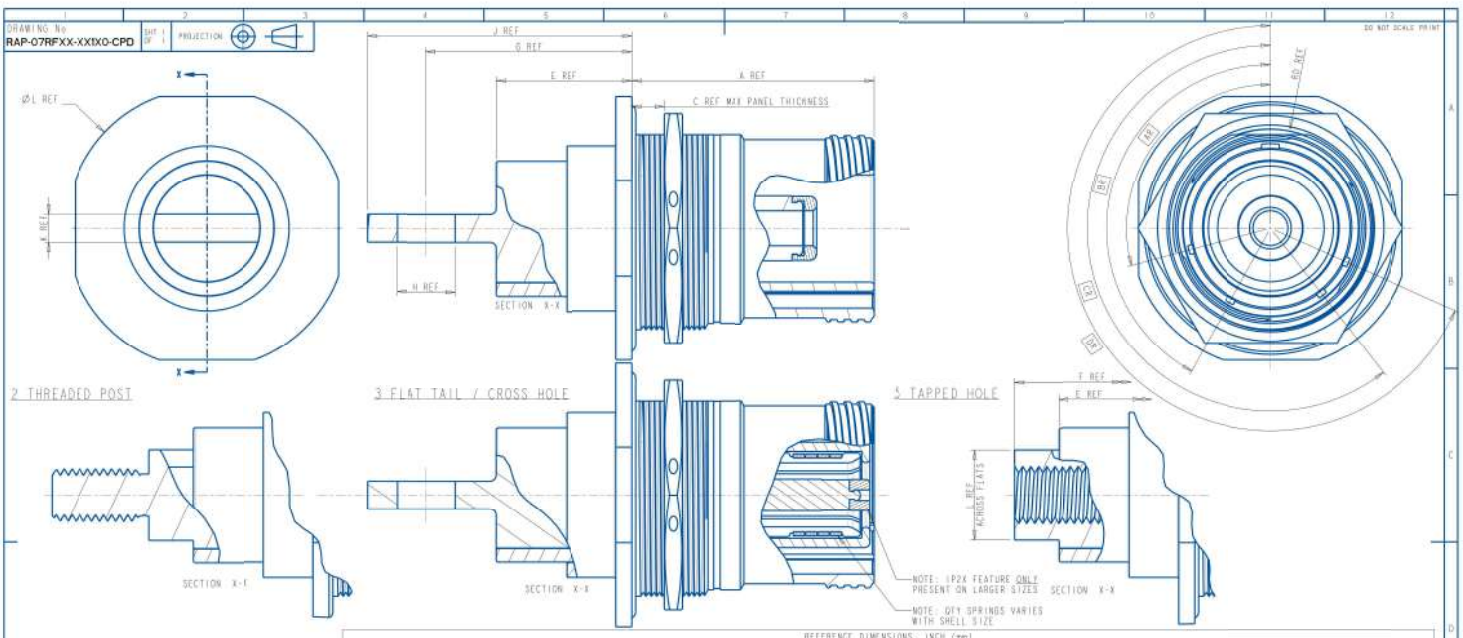
Printed July 05, 202212:10PM by Chris Morgan

DRAWING No: RAP-07RFXX-XX1X0-CPD | SHT 1 OF 1 | PROJECTION

DO NOT SCALE PRINT




REFERENCE DIMENSIONS, INCH (mm)
ALL DIMENSIONS COMMON FOR PIN AND SOCKET VERSIONS

| SIZE | A | C | ØD | E | F | G | ØH | J | K | L | ØM | THREAD | THD LGTH/DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1.287 (32.69) | .237 (6.00) | .995 (25.27) | .883 (22.43) | 1.083 (27.51) | 1.398 (35.51) | .216 (5.49) | 1.831 (46.51) | .145 (3.68) | .274 (6.96) | 1.489 (38.07) | 10-24 UNC | .478 (12.14) |
| 15 | 1.393 (35.38) | .237 (6.00) | 1.121 (28.47) | .883 (22.43) | 1.083 (27.51) | 1.398 (35.51) | .285 (7.24) | 1.831 (46.51) | .145 (3.68) | .391 (9.93) | 1.625 (41.28) | 1/4-20 UNC | .478 (12.14) |
| 17 | 1.528 (38.81) | .237 (6.00) | 1.253 (31.83) | .883 (22.43) | 1.146 (29.11) | 1.398 (35.51) | .358 (9.09) | 1.831 (46.51) | .205 (5.21) | .510 (12.95) | 1.750 (44.45) | 5/16-18 UNC | .597 (15.16) |
| 19 | 1.668 (42.37) | .237 (6.00) | 1.374 (34.90) | .883 (22.43) | 1.209 (30.71) | 1.398 (35.51) | .358 (9.09) | 1.831 (46.51) | .205 (5.21) | .587 (14.91) | 1.939 (49.25) | 5/16-18 UNC | .715 (18.16) |
| 21 | 1.700 (45.21) | .237 (6.00) | 1.490 (37.85) | 1.000 (25.40) | 1.326 (33.68) | 1.515 (38.48) | .429 (10.90) | 1.948 (49.48) | .205 (5.21) | .667 (16.94) | 2.062 (52.37) | 3/8-16 UNC | .715 (18.16) |
| 23 | 1.890 (48.01) | .237 (6.00) | 1.620 (41.15) | 1.000 (25.40) | 1.420 (36.07) | 1.630 (41.40) | .522 (13.26) | 2.103 (53.42) | .255 (6.48) | .746 (18.95) | 2.188 (55.58) | 1/2-13 UNC | .793 (20.14) |
| 25 | 1.971 (50.06) | .237 (6.00) | 1.746 (44.35) | 1.000 (25.40) | 1.420 (36.07) | 1.630 (41.40) | .522 (13.26) | 2.103 (53.42) | .255 (6.48) | .746 (18.95) | 2.311 (58.70) | 1/2-13 UNC | .793 (20.14) |

PART NUMBER BREAKDOWN

RAP - 07 RF XX - X X X X 0

- SERIES
- SHELL STYLE
- FINISH (SEE TABLE 1)
- SHELL SIZE (SEE TABLE 2)
- ACCESSORY (0 = UNIT MOUNT RECEPTACLE, NO BACKSHELL)
- KEYWAY (N, A, B, C, D, E) (SEE TABLE 4)
- CONTACT MATERIAL (1 = COPPER, 2 = ALUMINIUM
- CONTACT (P OR S)
- CONTACT TERMINATION (2 = THREADED POST, 3 = FLAT TAIL, 5 = TAPPED HOLE

NOTES:

1. THIS IS A CUSTOMER PROPOSAL DRAWING, THE ISSUE STATUS OF THIS DRAWING WILL NOT NECESSARILY MATCH THE ISSUE STATUS OF THE PRODUCTION DRAWING FOR THIS PART.
2. ALL DIMENSIONS ARE NOMINAL AND FOR REFERENCE ONLY.
3. DIMENSIONS SHOWN ARE COMMON FOR PIN AND SOCKET VERSIONS, UOS.
4. TO ORDER THIS PART REMOVE '-CPD' FROM PART NUMBER, SEE PART NUMBER BREAKDOWN FOR REFERENCE.
5. FOR PANEL CUT OUT DIMENSIONS REFER TO AMPHENOL SPECIFICATION 123GB-0826

| TABLE 1 | FINISH |
|---|---|
| SS | STAINLESS STEEL |
| RF | ELECTROLESS NICKEL |
| RN | OLIVE DRAB CADMIUM OVER NICKEL |
| RB | NICKEL ALUMINIUM BRONZE |
| ZN | BLACK ZINC NICKEL |

| TABLE 3 | | |
|---|---|---|
| SHELL SIZE | TERMINATION | CONTACT TERMINATION |
| 13 - 25 | 2 | THREADED POST |
| | 3 | FLAT TAIL / CROSS HOLE |
| | 5 | TAPPED HOLE WITH FLATS |

| TABLE 2, VOLTAGE @ SEA LEVEL (AC = R.M.S.) | | |
|---|---|---|
| | VOLTAGE | |
| SHELL SIZE - CURRENT RATING (A) | AC | DC |
| 13-150 (TBC) | TBC | TBC |
| 15-200 (TBC) | TBC | TBC |
| 17-300 (TBC) | TBC | TBC |
| 19-400 (TBC) | TBC | TBC |
| 21-475 (TBC) | TBC | TBC |
| 23-550 (TBC) | TBC | TBC |
| 25-625 (TBC) | TBC | TBC |

| TABLE 4 | MINOR KEYWAY POSITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| KEY POSITION | SIZE 13-15 | | | | SIZE 17-25 | | | |
| | AR | BR | CR | DR | AR | BR | CR | DR |
| N | 105 | 151 | 218 | 246 | 90 | 152 | 206 | 303 |
| A | 123 | 186 | 192 | 302 | 145 | 180 | 210 | 320 |
| B | 100 | 155 | 205 | 262 | 59 | 119 | 210 | 254 |
| C | 63 | 166 | 230 | 265 | 76 | 150 | 210 | 267 |
| D | 129 | 156 | 186 | 308 | 72 | 155 | 190 | 290 |
| E | 61 | 151 | 194 | 252 | 88 | 163 | 207 | 282 |

| ECN | PART No | TECHNICAL DESCRIPTION | No OF |
|---|---|---|---|

USED ON: RAPTOR

CUSTOMER REF

DRAWING TYPE: PROV/ENGINEER DRAWING

Amphenol Limited
Thanet Way, Whitstable, Kent, CT5 3JF

LIMITS UNLESS OTHERWISE STATED
XX ± .4 | X ± .2 | .X ± .1
ANGLES ± 1°

FOR EXPLANATION OF DIMENSIONS TOLERANCES NOTES ETC REFER TO BS. 8888

TECHNICAL DESCRIPTION: RAPTOR UNIT MOUNT RECEPTACLE

DIMENSIONS ARE IN INCHES AND APPLY BEFORE PLATING

| DRAWN | CHECKED | SCALE |
|---|---|---|
| JT | | 2.000 |

MATERIAL: SEE PARTS LIST

FINISH: CLEAN

SURFACE AREA: - INCHES²

DRAWING No: RAP-07RFXX-XX1X0-CPD | SHT 1 OF 1 | A2

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AMPHENOL STANDARD A2 DRAWING BLANK ISSUE 2

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