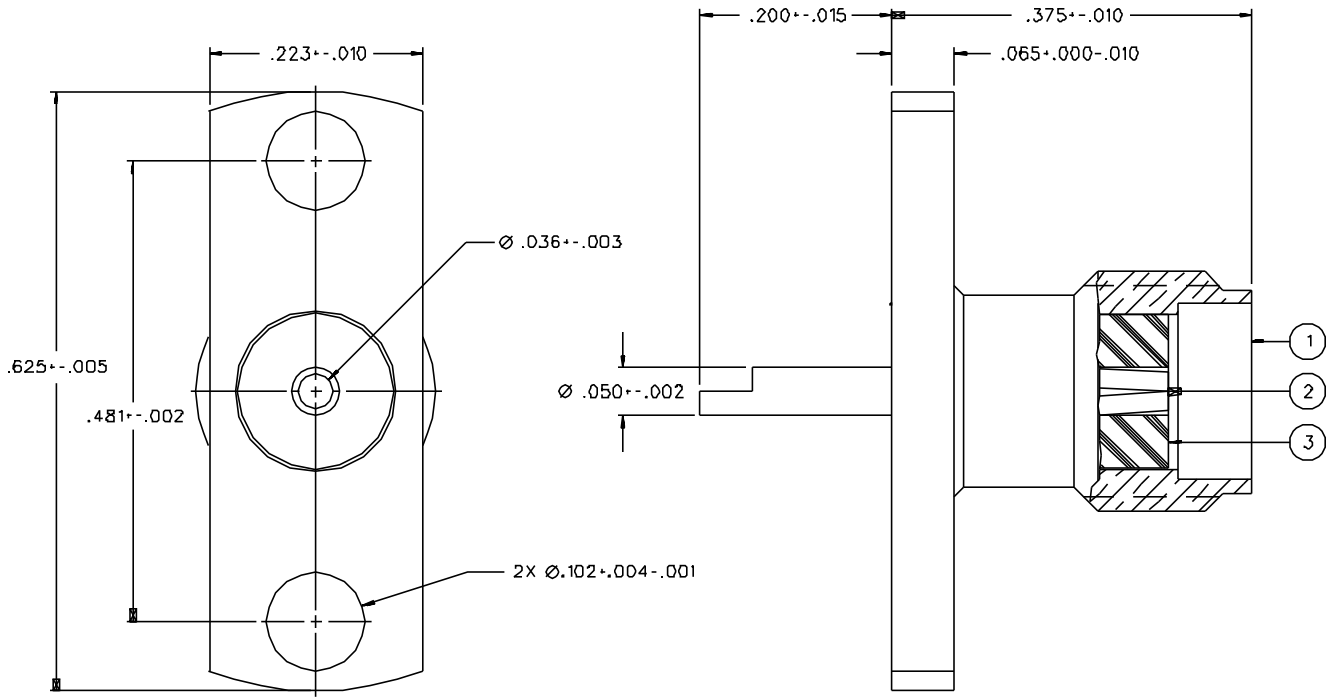
| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INSULATOR |
|---|---|---|---|
| 142-0701-621 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0XXX5 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON |
| 142-0701-626 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON |




NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHZ
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: NOT APPLICABLE
RF LEAKAGE: NOT APPLICABLE
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
EXCEPT 200 DEG C HIGH TEMP
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE MIL-STD-202, METHOD 106

DRAWING NO. C - 142-0701-621/630

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| ENGINEERING RELEASE | | | | | |
| 01 | 06-27-88 | EJ | RRF | RJB | 6-30-88 ECO 23458 |

ADDED: MOISTURE RESISTANCE SPEC, HIGH TEMP SPEC TO THERMAL SHOCK
CHANGED: .625+-.005 WAS +-.010, .481+-.010 WAS .480+-.010. DIA .036 +-.003 WAS .025+-.003. DIA .102+.004-.001 WAS +-.003. .065+.000-.010 WAS +-.010.

| 2 | 7-16-90 | | | | |
|---|---|---|---|---|---|

VERSION UPDATE

| 3 | 12-4-90 | RH | MJ | GAD | 12-21-90 ECO 40044 |
|---|---|---|---|---|---|

CHANGED: DIA .050+-.002 WAS .050 +-.001, RF HIGH POT 4 AND 7 MHZ WAS 5

| 4 | 3-9-92 | RH | | | 3-11-92 ECO 40875 |
|---|---|---|---|---|---|

CHANGED: .481+-.002 WAS .481+-.010, UPDATED GRAPHICS

* REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *

| 4a | 8-21-96 | RH | JJ | MJ | ECN 44136 |
|---|---|---|---|---|---|

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE |
|---|---|---|---|
| DECIMALS | mm | EJ | 8-5-87 |
| .XX | | CHECKED BY | DATE |
| .XXX | | | |
| MATL | | APPROVED BY RRF | DATE 6-27-88 |
| FINISH | | APPROVED BY RJB | DATE 6-27-88 |
| | | RELEASE DATE | 6-30-88 |

JOHNSON (A Cinch connectivity solutions brand)
Cinch Connectivity Solutions
299 Johnson Ave, Ste. 100
Waseca, MN 56093
1-800-247-8256

TITLE: JACK ASSEMBLY FLANGE MOUNT SMA

CODE NO.

DRAWING NO. C - 142-0701-621/630

SCALE 10:1 | U/M INCH | SHEET 2 OF 2

Please read our datasheet & drawing disclaimer here.