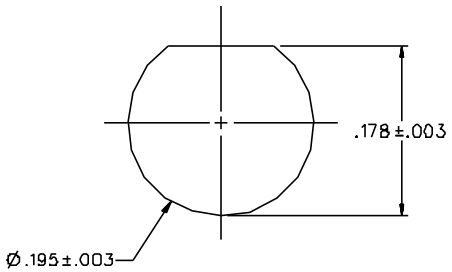
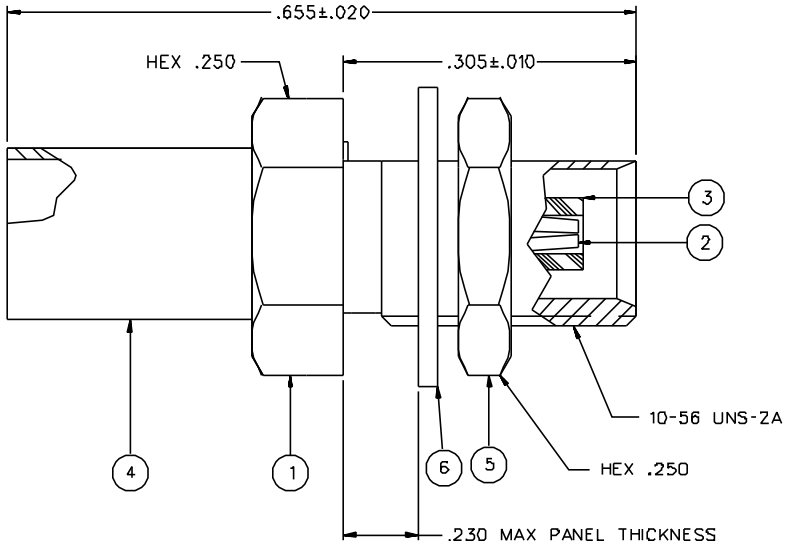
| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INSULATOR | ITEM ④ CRIMP SLEEVE | ITEM ⑤ NUT | ITEM ⑥ WASHER |
|---|---|---|---|---|---|---|
| 133-3304-401 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | COPPER<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | PHOSPHOR BRONZE<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN |
| 131-3304-406 | 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 | COPPER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | PHOSPHOR BRONZE<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN |




MOUNTING HOLE LAYOUT




NOTES:

1. SPECIFICATIONS:

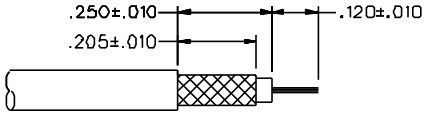
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: 1.13+.04F MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 10000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX
BODY TO CABLE - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
NICKEL PLATED INITIAL 2.5 MILLIOHMS MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
INSERTION LOSS: .1 DB MAX AT 1 GHz
RF LEAKAGE: -55 DB AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT
1.0 LB MIN DISENGAGEMENT
8.0 LBS MAX DISENGAGEMENT
CONTACT RETENTION FORCE: 2.3 LBS MIN
CONTACT RETENTION TORQUE: NOT APPLICABLE
COUPLING MECHANISM RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 188/U DOUBLE SHIELD, RG 316/U DOUBLE SHIELD, RG 179/U DOUBLE SHIELD, RG 187/U DOUBLE SHIELD
CABLE HEX CRIMP SIZE: .151
CABLE RETENTION: 25 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

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




CABLE STRIP DIMENSIONS

4:1

DRAWING NO.
C - 133-3304-401/410

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | REVISIONS | | | | | | |
| ENGINEERING RELEASE | | | | | | | |
| 1 | 11-16-95 | R H | SWC | TAK | RJB | 1-5-96 | ECN 43763 |
| ADDED: .230 MAX PANEL THICKNESS | | | | | | | |
| 1a | 3-26-96 | R H | SWC | TAK | RJB | 4-12-96 | ECN 44005 |
| VERSION UPDATE | | | | | | | |
| 1b | 11-24-97 | R H | | | | | ECN 44921 |

RF LEAKAGE -55 dB WAS -70,
5.6 LBS MAX ENGAGE WAS 3.4 LBS,
1.0 / 8.0 LBS DISENGAGE WAS
2.25 / 4.5, CONTACT RETENTION
2.3 LBS WAS 4.0

* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1c | 12-19-00 | T A K | | | | | ECN 47532 |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

| | | | |
|---|---|---|---|
| TOLERANCE UNLESS OTHERWISE SPECIFIED<br>DECIMALS mm<br>.XX ——<br>.XXX+-.003 ——<br>MATL ——<br>FINISH —— | DRAWN BY SWC | DATE 8-18-95 | Johnson Components<br>299 Johnson Ave.<br>P.O. Box 1732<br>Waseca, MN 56093-0832 |
| | CHECKED BY SWC | DATE 11-16-95 | TITLE<br>BULKHEAD JACK ASSEMBLY<br>STRAIGHT CABLED, RG 316 DS<br>MCX |
| | APPROVED BY TAK | DATE 1-2-96 | |
| | APPROVED BY RJB | DATE 1-3-96 | CODE NO. — DRAWING NO. C - 133-3304-401/410 |
| | RELEASE DATE 1-5-96 | | SCALE 10:1 — U/M INCH — SHEET 2 OF 2 |