| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INSULATOR | ITEM ④ INSULATOR | PACKAGING |
|---|---|---|---|---|---|
| 133-3711-301 | 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 | TEFLON | BULK PACK<br>25 PCS. |
| 133-3711-302 | 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 | TEFLON | TAPE AND REEL<br>750 PCS.<br>PER FIG 1 |
| 133-3711-303 | 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 | TEFLON | NONE |
| 133-3711-307 | BRASS<br>TIN PL .00015 MIN OVER<br>NICKEL PL .00003 MIN OVER<br>COPPER PL .00003 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | TEFLON | BULK PACK<br>25 PCS. |
| 133-3711-308 | BRASS<br>TIN PL .00015 MIN OVER<br>NICKEL PL .00003 MIN OVER<br>COPPER PL .00003 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | TEFLON | TAPE AND REEL<br>750 PCS.<br>PER FIG 1 |
| 133-3711-309 | BRASS<br>TIN PL .00015 MIN OVER<br>NICKEL PL .00003 MIN OVER<br>COPPER PL .00003 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | TEFLON | NONE |

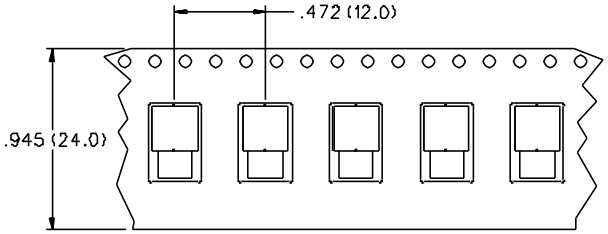
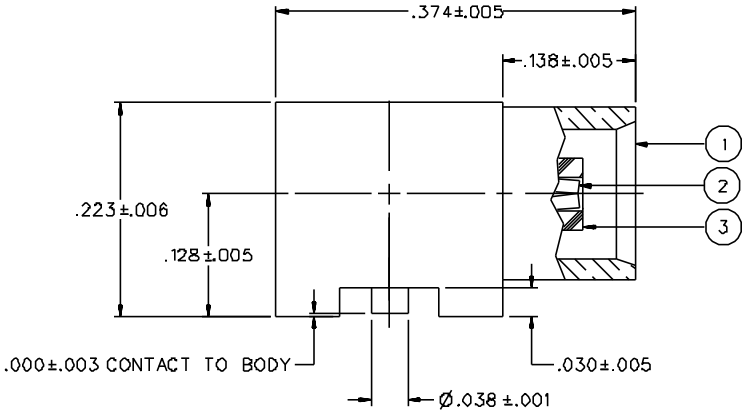



FIG 1

2:1




NOTES:

1. SPECIFICATIONS:

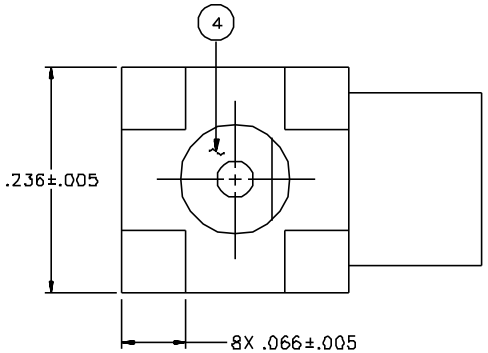
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: NOT APPLICABLE
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 10000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
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
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
INSERTION LOSS: NOT APPLICABLE
RF LEAKAGE: NOT APPLICABLE
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 600 VRMS AT 4 AND 7 MHZ

MECHANICAL:

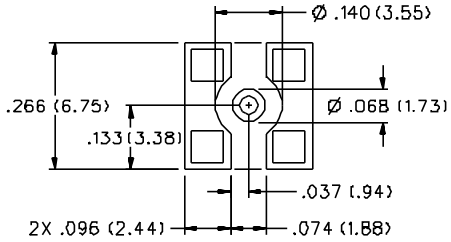
ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT
1.0 LB MIN DISENGAGEMENT
8.0 LBS MAX DISENGAGEMENT
CONTACT RETENTION FORCE: NOT APPLICABLE
CONTACT RETENTION TORQUE: NOT APPLICABLE
COUPLING MECHANISM RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE 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 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: MIL-STD-202, METHOD 106




RECOMMENDED SOLDER LAND PATTERN*




* NOTE: THIS PATTERN IS FOR REFERENCE ONLY. PATTERN MAY VARY DEPENDING ON ASSEMBLY PROCESS, BOARD TYPE, OR SPECIFIC ELECTRICAL OR MECHANICAL REQUIREMENTS.

DRAWING NO. C - 133-3711-301/310

| 0 | REVISIONS | | | | |
|---|---|---|---|---|---|
| ENGINEERING RELEASE | | | | | |
| 1 | 8-23-95 | RH | CK | SH | 8-29-95 ECN 43666 |
| CHANGED: -307 ITEM 1 BODY TIN PL .00015 MIN OVER NICKEL PL .00003 MIN OVER COPPER PL .00003 MIN WAS TIN PL .0002 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .0005 MIN | | | | | |
| 1a | 12-5-95 | RH | TAK | PAH | 12-8-95 ECN 43786 |
| ADDED: TAPE AND REEL PARTS -302 & -308, FIG 1 | | | | | |
| 1b | 1-22-96 | RH | SWA | RJB | 1-29-96 ECN 43861 |
| CHANGED: 750 PCS WAS 500 PCS | | | | | |
| 1c | 12-1-98 | RH | JAB | PAH | 12-4-98 ECN 46031 |
| CHANGED: .000+-.003 WAS .003 +-.006 | | | | | |
| 2 | 4-21-99 | RH | JAB | BB | ECN 46293 |
| CHANGED: .374+-.005 WAS .374+-.010, .223+-.006 WAS .223+-.015, .128 +-.005 WAS .128+-.010, 3.0 LBS TYPICAL DISENGAGEMENT 1.0 LB MIN WAS 5 LBS TYPICAL DISENGAGEMENT | | | | | |
| 2a | 2-14-00 | RH | JAB | RJB | 2-29-00 ECN 46980 |
| ADDED: P/N'S 133-3711-303 AND 133-3711-309 | | | | | |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. * | | | | | |
| 2b | 10-02-01 | RH | KAR | RJB | ECN 47897 |
| UPDATED 'D' FLAT INSULATOR | | | | | |
| 3 | 9-11-01 | JKB | | | ECN 48025 |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY SWC | DATE 7-28-95 | Johnson Components 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832 | |
|---|---|---|---|---|---|
| DECIMALS .XX | mm | CHECKED BY SWC | DATE 8-23-95 | TITLE JACK ASSEMBLY RA SURFACE MOUNT MCX | |
| .XXX | | APPROVED BY TAK | DATE 8-24-95 | | |
| MATL | | APPROVED BY RJB | DATE 8-24-95 | CODE NO. | DRAWING NO. C - 133-3711-301/310 |
| FINISH | | RELEASE DATE 8-29-95 | | SCALE 10:1 | U/M INCH SHEET 2 OF 2 |