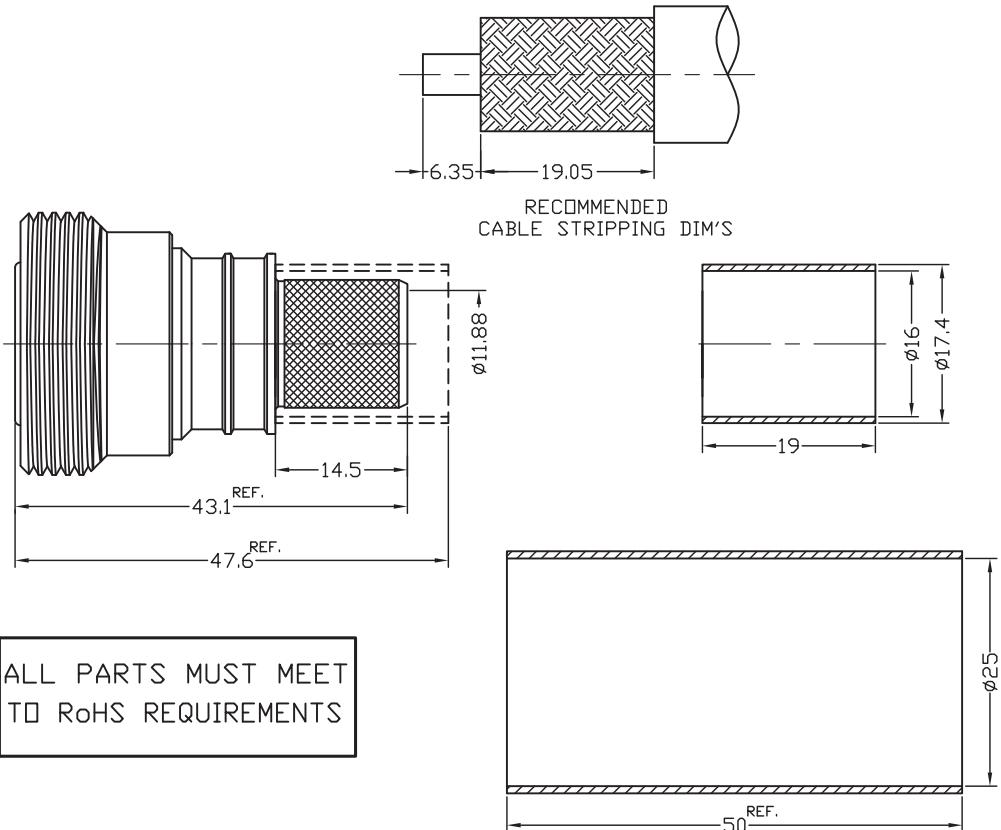


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| SYM | REVISION DESCRIPTION | DFTM | DATE | APPD | DATE |
|-----|-------------------------|----------|---------|----------|---------|
| A | RELEASED FOR PRODUCTION | J. J. H. | 1/14/09 | J. D. B. | 1/14/09 |
| B | CHANGED PER CDC #31608 | K. A. M. | 4/21/10 | J. D. B. | 4/23/10 |



| MATERIALS AND PLATING | | UNIT: MICRO-INCHES |
|-----------------------|--------------------|------------------------------|
| BODY | BRASS PER C3604 | ALBALOY PLATING 80µ "/COPPER |
| CONTACT PIN | C17300. | SILVER 200µ "/COPPER |
| INSULATOR | TEFLON MIL-P-19468 | |
| FERRULE | COPPER | ALBALOY PLATING 80µ "/COPPER |
| HEAT SHRINK | PO | |

| (MECHANICAL CHARACTERISTICS) | |
|--------------------------------|--------------|
| Force to engage and disengage | 6 lbs MAX. |
| Center contact retention force | 6 lbs MIN. |
| Coupling torque | N/A |
| Coupling nut retention force | N/A |
| Durability | ≥ 500 cycles |

| ELECTRICAL CHARACTERISTICS | |
|---------------------------------|-----------------------------------------------|
| Impedance | 50 Ω |
| Voltage rating | 1000V(rms) |
| Frequency range | 0~5GHz |
| Dielectric withstanding voltage | 1500V |
| Contact resistance | Center contact): ≤1.5mΩ Outer contact≤1m Ω |
| Insulation resistance | ≥5000MΩ |
| Insertion loss | According as the cable |
| RF- leakage | N/A |
| VSWR | N/A |
| 3rd Intermodulation | - |

| ENVIRONMENTAL CHARACTERISTICS | |
|-------------------------------|-------------------------------------|
| Temperature range | -55°C- +155°C |
| Thermal shock | US MIL- STD 202, Meth. 107, Cond. B |
| Vibration | US MIL- STD 202, Meth. 204, Cond. B |
| | IEC 60068 65/165/21 |

NOTES:

1. CONTACT PIN IS CAPTIVE.
2. CRIMP THE FERRULE TO .610" HEX.

| | | | | | |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|----------|------------------------|
| MATERIALS | UNLESS OTHERWISE SPECIFIED | | DFTM. | D. J. H. | TIME MICROWAVE SYSTEMS |
| | ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° MAX. FILLET R. TOLERANCES ON DECIMALS . X ± 0.2 . XX ± 0.1 ANGLES ± 3° FRACTIONS ± N/A | | DATE | 1/14/09 | |
| USED ON: 0 | | | CHKD. | J. D. B. | |
| SCALE: N/A | DWG SIZE A | DO NOT SCALE DRAWING | CODE IDENT | 68999 | DATE 1/14/09 |
| | | | SH. | 1 of 1 | SD3190-2447 REV B |