



**Gold plate inspection:**

Per MIL-G-45204C  
 Type II (99% pure gold minimum)  
 Grade C+ (Knoop hardness range 130-250)  
 Class 1 (50 microinches minimum thickness)

**Gold plate density:**

17 grams/cubic centimetre minimum

**Plating porosity:**

Test per EIA-364-53 Nitric acid vapour tests

**The gold-plated testing instruments:**

Fischer\* Scope X-RAY 1000

**Electrical test:**

Contact rating: 2A @250 VAC maximum  
 Dielectric withstanding: 500 VAC  
 Insulation resistance: 500MΩ  
 Termination resistance: 35 maximum after environmental test

**Mechanical:**

Tensile strength: Cable-to-plug 20lbs (89N) minimum  
 Durability: 200 mating cycles

**Material & finish:**

Housing material: Polycarbonate (PC)  
 94V-0 (For UL 1863 CUXR2)  
 94V-2 (For UL 498 RTRT2)  
 UL No. E 919153  
 Contact blade: High strength copper alloy [JIS CR191R-H (PBS-2)]  
 Electroplating is based on 100 micro inches nickel underplated 8% phosphor bronze  
 Contact material: 8% phosphor bronze

**Operating temperature:** -40°C to +125°C

