

Application Report

BRUSHWELLMAN
ENGINEERED MATERIALS

AR 36-11-5

Industry: Electronic Connectors Product: Beryllium Copper Rod

High reliability is the major requirement for cylindrical connectors used on military aircraft instrumentation.

The sockets for these connectors are made of Brush Wellman Alloy M25 beryllium copper rod.

Design Requirements

- High Strength
- Good Solderability
- Wear Resistance
- Good Machinability
- Good Electrical Conductivity

The Alloy M25 rod is heat treated to maximum strength after machining, producing a part that meets all of the

above requirements. The strength of the material permits high contact force without yielding, thus guaranteeing electrical integrity. The wire termination ends are locally annealed to permit wire crimping.

For additional information, contact:

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