

Technical drawing of a 1/4-28 x 1/2 inch female plug. The drawing shows a side view and a top view. The side view includes the following dimensions (in inches):

- Overall length: .340
- Threaded section length: .270
- Threaded section outer diameter: .125 DIA.
- Threaded section inner diameter: .109 DIA.
- Unthreaded section length: .100
- Unthreaded section outer diameter: .100 DIA.
- Unthreaded section inner diameter: .038 DIA.
- Bottom section length: .040
- Bottom section outer diameter: .045 DIA.
- Bottom section inner diameter: .026 DIA.
- Bottom section thread: 1/4-28
- Bottom section hole: HOLE
- Bottom section slot: .018 SLOT

The top view shows a circular cross-section with a central hole and a slot.

Page 1 of 2

SHELL MATERIAL:**BRASS ALLOY (UNS C36000) per ASTM B 16**

Note: Swage Pins are Annealed

Properties of BRASS ALLOY:

- Chemical composition: Cu 61.5%, Zn 35.4%, Pb 3.1%†
- Hardness as machined: 80-90 Rockwell B
- Density: .307 lbs/in³
- Electrical conductivity: 26% IACS*
- Melting point: 900°C/885°C (liquidus/solidus)

†(3 to 4% lead is used to permit "free machining" and is permitted by EC Directive 2002/95Annex 6; so all pin materials are RoHS compliant)

*International Annealed Copper Standard, i.e. as a % of pure copper.

Certificate of Compliance:

This is to Certify that the product described above is manufactured to Mill-Max quality standards in accordance with all applicable specifications and drawing. Mill-Max certifies this product to be free from defects of materials and workmanship.

This Certificate of Compliance covers the following requirements:

- Dimensional (all features verified to be within tolerances described on the applicable drawing).
- Raw Material (materials and properties verified to be as described on the applicable drawing).
- Plating (platings as required, thickness verified, and performance including solderability per mil-standard).
- Performance (insertion extraction or other force requirements as described on the applicable drawing).

Compliance Statement for Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Reference:

1. Regulation EC No 1907/2006 of the European Parliament and of the Council of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
2. ECHA, Candidate list of Substances of Very High Concern (SVHC) http://echa.europa.eu/reach_en.asp

Mill-Max is aware of the regulation and the SVHC list the EU published (referenced above). Mill-Max does not produce or sell any of the listed substances in their homogeneous form. These substances are not intentionally added during the manufacturing of any Mill-Max products. To our knowledge, our products do not contain the substances described on the ECHA SVHC list. Testing is not performed for materials and substances that were not intentionally added. No warranty, liability of indemnification is expressed or implied with this information. Mill-Max maintains surveillance of the ECHA website to obtain the latest information and periodically reviews the SVHC list for changes and additions.