

Glass to Metal Seals for High Reliability Microelectronic Packaging

- Military and Aerospace Applications
- Hermetic Sealed Housings
- Commercial Applications

Housing Formats

- Power Headers
- AlSiC Hermetic Packages
- Machined Modules
- Plug in Packages
- Flat Packs
- TO-5 and TO-8
- TO-3 and TO-66
- Lids & Covers

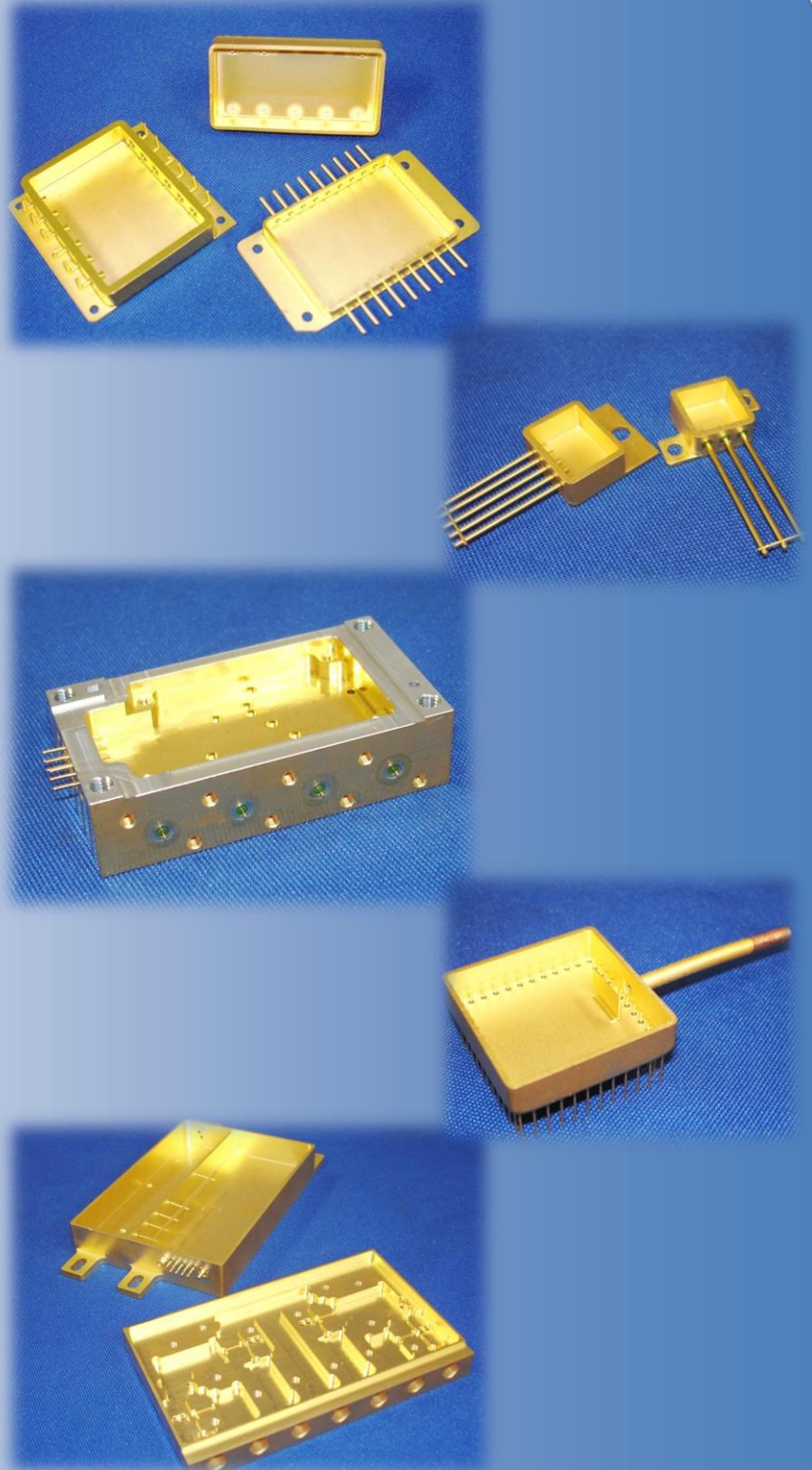
Housing Materials

- AlSiC base with 48 alloy frame
- ASTM F-15 Kovar
- Cold Rolled Steel
- Stainless Steel
- Alloy 52
- Copper Cored Alloy 52
- Molybdenum
- Aluminum
- Copper, CuMo, CuW

Hermetic Seals

- Thermal Expansion Matched Seal
- Borosilicate
- Compression Seals
- Ceramic feedthrus

CPS matched seals are produced by the "Two Step Sealing Process" for the most robust hermetic seal.



CPS Certified to ISO 9001:2008 Standard

CPS provides quality assurance testing to MIL-STD 883 and MIL-STD 202; CPS is compliant to DFARS clause 252.225-7014 ALT.1, RoHS and REACH.

CPS Matched Hermetic Seals

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CPS Plating Capabilities

- Electroless Nickel per MIL-C-26074, ASTM B-733 & AMS 2404
- Electrolytic Nickel per QQ-N-290 and ASTM B-689
- Gold per ASTM B-488 and MIL -DTL-45204
- Chromate per MIL-DTL-5541

CPS Test Capabilities

- Air to Air temperature cycle/shock per MIL-STD-883, method 1010
- Steam age/solderability testing per MIL-STD-883, method 2003
- Liquid to Liquid per MIL-STD-883, method 1011
- Lead Fatigue per MIL-STD-883, method 2004
- Hermeticity validation to 1×10^{-10} cc/sec of helium per MIL-STD-883, method 1014, condition A4
- Insulation resistance to 10 GΩ at 500 VDC per MIL-STD-883, method 1003
- Salt spray per MIL-STD-883, method 1009
- Compliance to JEDEC Std. 9 and MIL-STD-883

DUNS # 12-099-8661

CAGE Code 46613

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