

Component Test Services

A new Maxtek service-offering:

Leveraging 40 years experience in third-party test and evaluation solutions to provide a broad range of capabilities:

- ▶ Electrical, package integrity testing and assembly evaluation
- ▶ Full avionics, military and space up-screening
- ▶ Component qualification & characterization
- ▶ Connector qualification, DPA and PMA
- ▶ Custom assembly solutions to address device obsolescence

Test Service Examples

- ▶ Electrical:
 - RF & microwave
 - Mixed-signal
 - Surge testing
 - Memory (DDR2)
 - Burn-in / Life-test
- ▶ Package Integrity:
 - HAST
 - PIND
 - Seal (Kr-85 / He)
 - Solderability
- ▶ Assembly Evaluation:
 - DPA, PMA & X-ray
 - EDS, C-SAM & SEM
 - Photo-microscopy
 - Bond-pull & die-shear



Ensuring COTS parts meet the high-reliability requirements of military, space and commercial aerospace applications

Component Test Services

Quality Compliance & Laboratory Approvals

- ▶ ISO 9001:2000
- ▶ DSCC Lab Suitability
- ▶ MIL-STD-750 / 883 / 1580
- ▶ MIL-PRF-19500 / 38534 / 38535
- ▶ J-STD / JEDEC / EIA
- ▶ GSI (DCAS) available



Maxtek Overview

- ▶ Full-service resource for microelectronic engineering, manufacturing & test services
- ▶ Sites:
 - Beaverton, OR (Headquarters)
 - Orlando, FL (Component Test)
 - Phoenix, AZ (Component Test)
- ▶ Certifications
 - ISO9001:2008 & 14001:2004
 - ITAR-registered
 - DSCC-listed component test labs



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