



RAM Mounts Testing Summary

GDS® Dock with Latch for Zebra ET4x 8" Tablet

Products Covered

RAM-GDS-DOCKL-ZE20PD2U
RAM-GDS-DOCKL-ZE20PDU
RAM-GDS-DOCKL-ZE20PU
RAM-GDS-DOCKNLL-ZE20PD2U
RAM-GDS-DOCKNLL-ZE20PDU
RAM-GDS-DOCKNLL-ZE20PU

Accompanying Power Supplies

RAM-GDS-CHARGE-V3C-2U



| Test | Description |
|--|--|
| Vibration – operational | MIL-STD-810H, Method 514.8, Table 514.8C-VII, Category 4. Tested performed with unlocked dock and device oriented vertical, transverse, and longitudinal. 1 hour each axis, 3 hours total. |
| Functional Shock - operational | MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses per vertical, longitudinal, and transverse axis. 18 total pulses. Pulses are 20G, 11ms terminal peak sawtooth. |
| Pogo Pins – Cycle rating | Pogo pins rated to 100k cycles |
| USB Validation Protocol, Speed, Power | NPI Developed Testing Specification for USB 2.0 Compliance up to 480Mbps, 4.75-5.25VDC @ 900mA per port |
| Power Supply Input Voltage Tolerance | NPI Developed Testing Specification for Cycle Testing of Input Voltage and variable current |
| Power Supply Output Voltage Tolerance | NPI Developed Testing Specification for Cycle Testing of Output Voltage and variable current |
| Power Supply Load Test | NPI Developed Testing Specification for Cycle Testing of Output Voltage and variable current |
| Regulatory Compliance | FCC, IC CE, RoHS, WEEE |
| Safety, Emission, Immunity (Ram Power Supply) | CE EN:55032, EN 55035, IEC 61000-6-1, EN 62368-1, e-Mark |