

Testing Summary Zebra 8in Docking Station

(7160-0788, 7160-0819)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: Feb, 2016	MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). <ul style="list-style-type: none"> • Unit is unlocked • Vertical Profile in all axes
Vibration – Non-Operational (Minimum Integrity) Test date: Feb, 2016	MIL-STD-810G, Method 514.6, Category 24, per Figure 514.6E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously. <ul style="list-style-type: none"> • Unit is unlocked
Vibration – Non-Operational Sinusoidal Test date: Feb, 2016	10-1000Hz @ 1g Sine Sweep <ul style="list-style-type: none"> • Rate = 1 octave/minute
Functional Shock - Non-Operational Test date: Feb, 2016	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 20G, 11ms half sine • Unit is unlocked
Mechanical Shock Safety - Non-Operational Test date: Feb, 2016	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 40G, 11ms half sine • Unit is unlocked
Cycle Testing – Non-Operational Test date: April, 2016	30,000 cycles of the docking connector, latching and locking mechanisms
Electrostatic Discharge – Operational Test date: May, 2016	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge <ul style="list-style-type: none"> • Reference 7160-0773 ESD Test.

Summary of Tests Performed at Independent Facility

Test Description	Test Parameters
Shock – Crash Hazard Test date: April 2016	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> • Unit is unlocked

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Humidity Test date: April, 2016	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5-IX <ul style="list-style-type: none"> • Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity. • Reference Test Data from 7160-0773
Low Temperature: Operational Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure II <ul style="list-style-type: none"> • 0°C Operating, 24-hour duration • Reference Test Data from 7160-0773
Low Temperature: Storage Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure I <ul style="list-style-type: none"> • -20°C Non-Operating, 24-hour duration • Reference Test Data from 7160-0773
High Temperature: Operational Test date: April, 2016	MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions <ul style="list-style-type: none"> • Five 24-hour cycles, temperature varied from 30°C to 50°C to 30°C • Reference Test Data from 7160-0773
High Temperature: Storage Test date: April, 2016	MIL-STD 810G, Method 502.5, Procedure I, Table 502.5-III, Induced Conditions <ul style="list-style-type: none"> • Seven 24-hour cycles, temperature varied from 33°C to 60°C to 33°C • Reference Test Data from 7160-0773
EMC Testing Test date: April, 2016	EN 50498:2010
EMC Testing Test date: May, 2016 7160-0788-04 only	EN 55032:2015 <ul style="list-style-type: none"> • CISPR 22 – Class A • FCC Part 15, Subpart B – Class A • Reference Test Data form 7160-0773

Other Certifications

Description
EN 50581:2012 RoHS2 Directive 2011/65/EU

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