

ENGINEERING DEPT	PRODUCT SPECIFICATION	SPEC No: GS-BF-EN-050
	FOR Dust Helmet SERIES	Page 1 of 2

1.0 SCOPE

This Specification covers Dust Helmet Series.

PRODUCT NAME	PART NUMBER
SMT_NUT	

2.0 SCOPE OF APPLICATION

Pilot run this test is suitable for mobile phones and new samples and production material directly sampling stage, appearance of stainless steel pieces of reliability test.

3.0 TEST DESCRIPTION

Contents of this test, the appearance of the main pieces of stainless steel to verify the reliability of the performance test. According to stainless steel parts used in the process, the process of testing different contents vary, specific test plan can be adjusted with reference to the test content precautions.

4.0 TEST AND PERFORMANCE:

Unless otherwise specified, all tests and measurement shall be performed under the following conditions in accordance with EIA

Ambient Temperature: 15 °C-35 °C

Relative Humidity :60% to70% R.H.

Operating Temperature Range :-35 °C to +80°C

Storage Temperature Range: -10 °C to +60°C

APPROVED BY: _____ **CHECKED BY:** _____ **VERIFIED:** Peter

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5. ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITIN	REQUIREMENT
5.1	Examination of product	EIA-364-18. Meets requirements of product drawing	No physical damage
5.2	solder ability	The surfaces to be tested shall be immersed in flux for a minimum of ± 0.5 seconds. the temperature of the solder bath shall be maintained as measured below the surface on the solder at $235^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Spec: EIA 364-52	Contact resistance 20m Ω (Max.).
5.3	High temperature life	EIA-364-17 Temperature life at $70^{\circ}\text{C} \pm 2$ for 48 hours Test condition 2 Test time condition A	No physical damage to the samples, Contact Resistance: 20m Ω max.
5.4	Low temperature life	EIA-364-59 Temperature life at $-40^{\circ}\text{C} \pm 2$ for 96 hours Test condition 3 Test time condition D	No physical damage to the samples, Contact Resistance: 20m Ω max.
5.5	Salt spray	, EIA-364-26 Subject spring in salt spray chamber for 24H. The salt solution concentration is 5%	No physical damage to the samples
5.6	Resistance to Soldering Heat	Solder Temperature: $245 \pm 5^{\circ}\text{C}$ High temperature area period 15 ± 0.5 sec.	No Damage