Process Inspection Standard

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1. Purpose: To standardize the method of inspecting the characteristics and dimensions of the products, and to improve the customer's satisfaction with the products.

2.Scope: Applicable to all products of our company before shipment inspection.

3. Test items and contents.

3.1. The materials of our company are inspected by the quality inspection personnel in accordance with the "Connector Inspection Management Program" with reference to the following table.

3.2. At this stage, all the material inspection judgment of the company is divided into two categories of qualified and unqualified, such as the customer request to change to minor/severe/fatal non-conformity, in accordance with the requirements of MIL-STD1O5-E II normal level, in which the CR = 0.01 MA = 0.65 MI = 1.5

4. Connector inspection standards are as follows.

Item number	Testing program	The content of the test	Reception criteria	Test methods	Inspection tools	Inspection program
Appearance	Colors	Colors	The color is consistent with the sample without yellowing and blackening, etc.	Visual		Full inspection
	Three wounds	Bumps and scratches	No bad bumps or scratches	Visual		Full inspection
	Smoothness	Pressure wounds, bruises, burrs, knife lines	No pressure wound, bruise, burr, knife grain specific reference to product requirements	Visual		Full inspection
	Structure	Whether the connecting parts of the product are secure	The connecting parts of the product are firm, and there are no mistakes or omissions in the installation	Visual		5PCS/lot
Dimensions	Shape	Requirements of the drawings	Conforming to the requirements of the product drawings	Gauge measurements	Calipers, quadratic	5PCS data recorded per batch
Function	Adaptability	Fitting	Shape/hole/column fit	Assembly test	Workwear	Full inspection
	Electrical Performance 1	Insulation resistance	Conforming to the drawings	Testing	Insulation Resistance Tester	Performed to AQL Level II standards

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	Electrical properties2	Pressure resistance	Conforming to the drawings	Testing	Withstand Voltage Tester	Performed to AQL Level II standards
	Electrical Performance 3	On-resistance	Conforming to the drawings	Testing	DC Low Resistance Tester	Performed to AQL Level II standards
	mechanical life	Plug-and-play test	Conforming to the drawings	Testing	Plugging and unplugging tester	1 time/month
Orders Check	order consistency	whether the physical object corresponds to the requirements of the order	Compliance with order requirements	Visual		Full inspection

5. Plastic parts inspection standards are as follows.

Item number	testing program	The content of the test	reception criteria	test methods	Inspection tools	inspection program
Appearance	Colors	Colors	Consistent color, uniform surface fibers	Visual		Full inspection
	Smoothness	Smooth surface, scratches, bubbles, cracks, sharp edges	Smooth surface, no scratches, no shrinkage, no bubbles, no cracks, no sharp edges	Visual		Full inspection
	Flatness	Convexity, plane deformation	No unevenness, plane deformation specific reference to the product requirements	Visual		Full inspection
	Structure	The shape of the product structure, the	The structure and shape of the products are consistent with the drawings and samples	Visual		Full inspection
Dimensions	Shape	Requirements of the drawings	Conforming to the requirements of the product drawings	Gauge measurements	calipers, quadratic	5PCS data recorded per batch
Function	Adaptability	Fitting	shape/hole/column fit	assembly test	Workwear	Full inspection
Orders Check	Order consistency	Whether the physical object corresponds to the requirements of the order	Compliance with order requirements	Visual		Full inspection

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