

## Quality Assurance Chart

Quality Assurance No.

Manufacturing Flows

Manufacturing Flows	Manufacturing Flow Titles	Work Standard/Guidance
	1 IQC Test	Diagram specifications
	2 Component procurement	Based on the confirmed diagram
	3 Initial confirmation	Diagram specifications
	4 Automatic pin insertion machine	Machinery guidance
	5 Insertion inspection	Inspection guidance
	6 Manually insertion	Operation guidance
	7 Handle inserted into product	Operation guidance
	8 Bending and cutting	Operation guidance
	9 100% visual inspection	Specifications diagram, Operation guidance
	10 100% conductivity test	Operation guidance
	11 Work flow inspections	Specifications diagram, Confirmed diagram, Operation guidance
	12 Packing	Specifications diagram, Confirmed diagram, Operation guidance
	13 Inventorization	
	14 FQC inspection	Diagram specifications

Prepared by:

Reviewed by:

Approved by:

Documentation No.

Subject: Automatic Pin Insertion Machine

Distribution No.

Subject: Automatic Pin Insertion Machine

Quality Control

Emphasis

Color, dimensions, outer appearances (thickness of gold-plating)

Dimensions, outer appearances (thickness of gold-plating)

Pin alignments outer appearance

Product outer appearances

Pin slots, pin position

Insertion direction

Alignments with machine

Pin position, outer appearances

Conductivity

External and internal pins position, outer appearances, dimensions

Quantity, shipping marks, labeling

Inspection points listed above

Signature/chop:

Prepared by: Engineering division

Special Requirements

Based on diagram, inspection requirements

Based on diagram, others follows the confirmed specifications and inspection requirements

No surface mar, polishing side up

Per inspection requirements

Follows the operation guidance, confirmed specifications

Follows the operation guidance

Outer, inner bending alignments

Follows the operation guidance, inspection requirements

Green light (steady, no flashing)

Based on diagram, confirmed specifications and inspection requirements

Precisely with the confirmed specifications

Based on diagram, inspection requirements, confirmed specifications

Testing Tools	Random Testing Quantity	Frequency
Precision ruler, visual in:	AQL	Per lot
Precision ruler, visual in:	10 pcs	Prior to per lot

Visual inspection	10 pcs	1 hr.
Visual inspection	10 pcs	1 hr.
Visual inspection		100% Per lot
Visual inspection		100% Per lot
Precision ruler, visual ins		100% Per lot
Visual inspection		100% Per lot
Visual inspection		100% Per lot
Visual inspection	10 pcs	1 hr.
Visual inspection		100% Per lot
Above listed tools	AQL	Per lot

#### Records

Finished product/material inspection sheet

Material procurement sheet

First piece confirmation sheet

Self-inspection chart

Random-inspection chart

Self-inspection chart

Random-inspection chart

Inventorization sheet

Finished product/material inspection sheet

Division

IQC

Inventory

Manufacturing/quality assurance engineering

Manufacturing

IPQC

Manufacturing

Manufacturing

Manufacturing

Manufacturing

Manufacturing

IPQC

Manufacturing

Manufacturing, inventory

FQC

Remarks

Return for re-processing when defective quantity has exceeded AQL