THE QUALITY CONTROL COMPANY

PRODUCT ANALYSIS REPORT

Report:	307976.1
Date:	10-Jan-2025
Lot QTY:	13
Part Number:	67130-0806
Manufacturer:	Molex
Client:	FireAlps Hungary Kft
Client P/O:	PO Unknown
Work Order:	307976

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17025
TESTING LABORATORY

erai MEMBER

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ESD ASSOCIATION

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+86 0755 83741887

Order Information

Part Number:	67130-0806	**Work Order:**	307976
Manufacturer:	Molex	**Protocol:**	Custom
Device Type:	Connector	**ERAI History:**	No
Description:	Memory Card Connector		
Datasheet:	https://download.siliconexpert.com/pdfs/2012/3/1/9/31/47/158/mol_/manual/0671300806_memory_card_socket.pdf		

Result

Conclusion: Acceptable

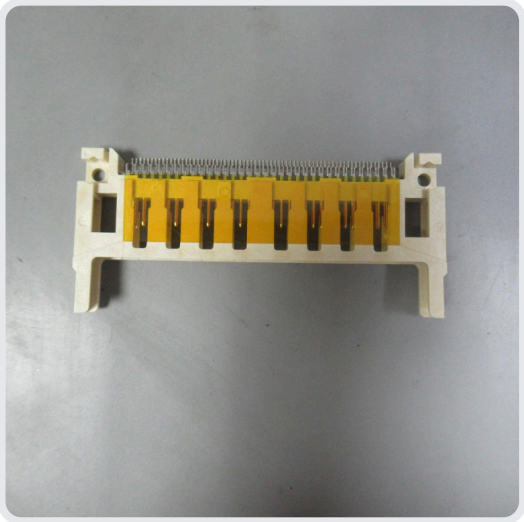
Approved By: Dream Hu

Dream Hu

Risk Assessment:

Processes Performed

✓ Receiving	✓ Documentation & Packaging
✓ General Inspection	✓ External Vis. Inspection
● DPT / JTAG / Functional	● Temp Ranging Test
● DC Parametric	● PTPR / CVPD
● Curve Trace	● Parametric
● Marking Permanency Test	● X-ray AS6171
● Reflow	● DIP Look
● Wetting Balance	● Floating
● EDGE DIP	● Decap & Die Analysis

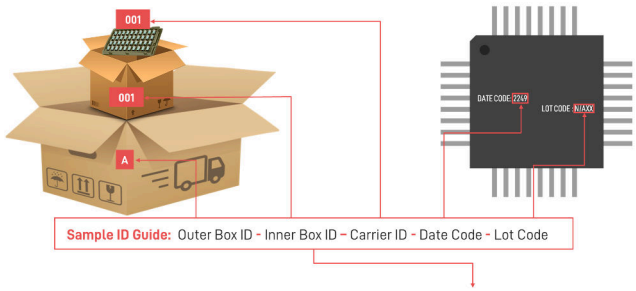


Legend: ✓ Acceptable ● Not Acceptable ● F.A.R. ● Not Conducted

Analysis

There was no evidence of prior use. The parts are “Acceptable”.

Documentation & Packaging



Outer Box	Inner Box	Carrier	Date Code	Lot Code	COO	QTY	Samples Taken	Sample ID	Dimensions (CM)	Weight (KG)
1	0	1	N/A	N/A	N/A	200	6	1-0-1-N/A-N/A	32*47*25	3
1	0	2	N/A	N/A	N/A	220	7	1-0-2-N/A-N/A	32*47*25	3

Sample Table

Test Item	Sample ID	QTY
External Vis. Inspection	1-0-1-N/A-N/A	6
External Vis. Inspection	1-0-2-N/A-N/A	7

Documentation & Packaging

Reviewer:	RR0397	**Process Location:**	Shenzhen
Technician:	ZC0140	**Date Conducted:**	10-Jan-2025
Standard & Method:	AS6081 4.2.6.4.1		

Equipment

Equipment	Serial No	Current Cal	Next Cal	Job
Camera	WHL-QH0159	N/A	N/A	GIS
Camera	WHL-QH0159	N/A	N/A	DPI

Analysis

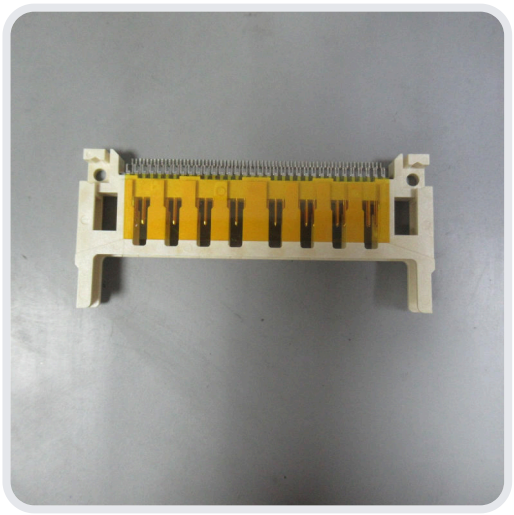
Product arrived in cut tape.

Receiving	✔	Result is acceptable
DPI	✔	Result is acceptable
GIS	✔	Result is acceptable

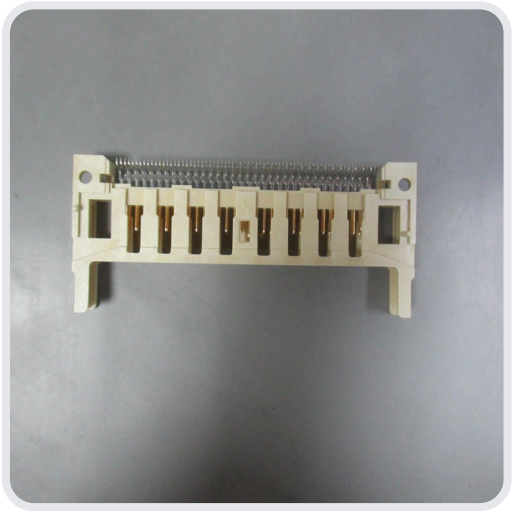
ESD Bags (No label)

Cut / Tape

Parts Aligned In Cut / Tape



Top View



Bottom View

External Vis. Inspection ✔

Reviewer: RR0397
Process Location: Shenzhen
Technician: YL0297
Date Conducted: 10-Jan-2025
Standard & Method: AS6081 4.2.6.4.2.2

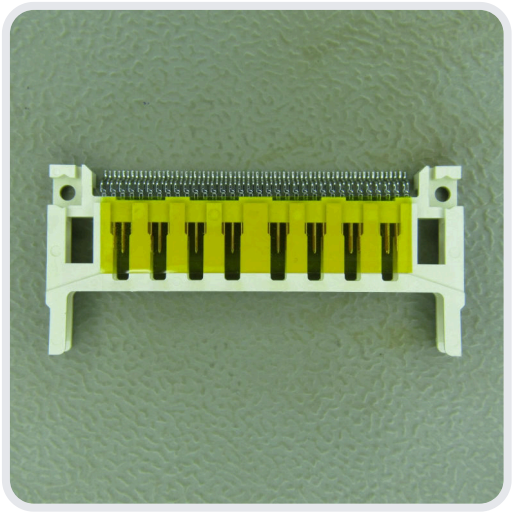
Equipment

Equipment	Serial No	Current Cal	Next Cal
Microscope	WHL-QH0107	N/A	N/A
Camera	WHL-QH0185	N/A	N/A
Electronic Scale	WHL-QH0172	30-Dec-2024	29-Jan-2025
General Caliper	WHL-QH0175	30-Dec-2024	29-Jan-2025

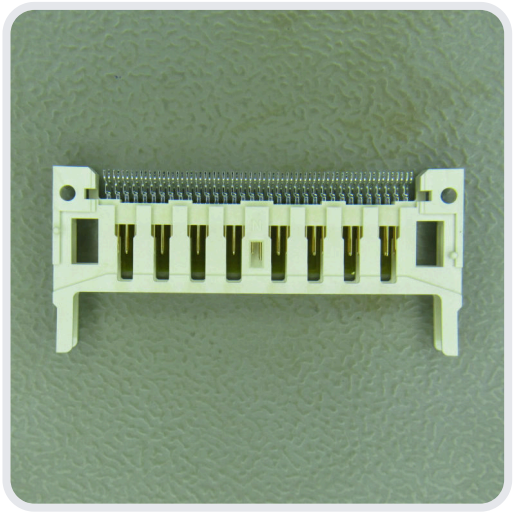
Analysis

Samples are not re-plated due to presence of exposed base metal and stress marks. Samples do not exhibit any indication of rework or prior use. The samples have the same exterior configuration as shown on the Package Outline Drawing [POD].

Marking Inspection	✔	Result is acceptable	
Acceptable QTY : 13		Not Acceptable QTY : 0	
Package Body Inspection	✔	Result is acceptable	
Acceptable QTY : 13		Not Acceptable QTY : 0	
Terminal Inspection	✔	Result is acceptable	
Acceptable QTY : 13		Not Acceptable QTY : 0	
Exterior Configuration and Coplanarity	✔	Result is acceptable	
Acceptable QTY : 13		Not Acceptable QTY : 0	
Dimension and Weights	✔	Result is acceptable	
Acceptable QTY : 3		Not Acceptable QTY : 0	

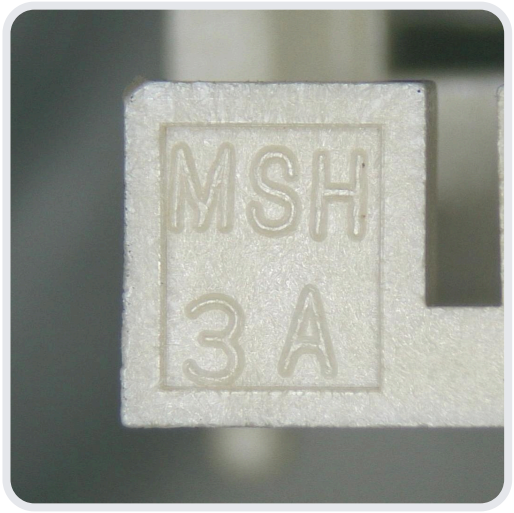


Device Top
1-0-1-N/A-N/A

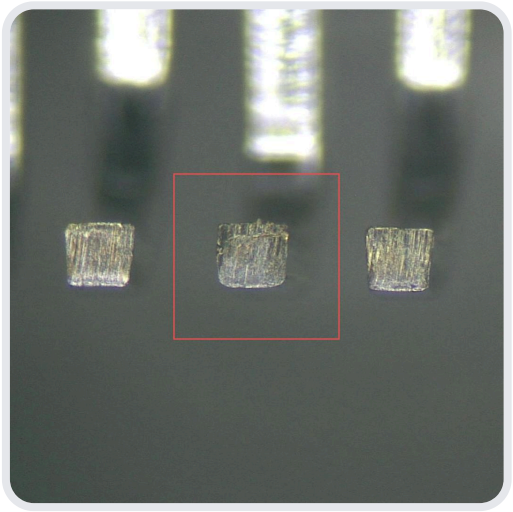


Device Bottom
1-0-1-N/A-N/A

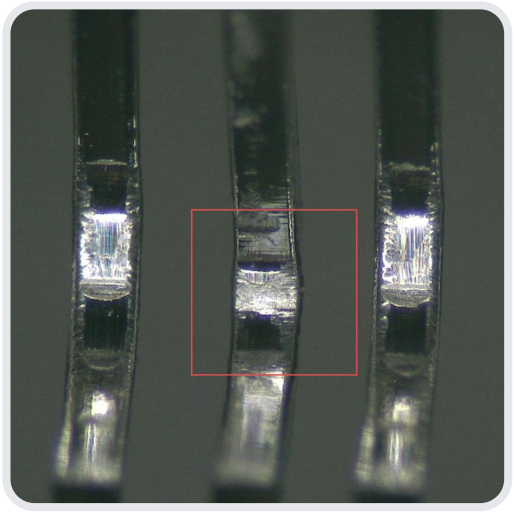
Device Side
1-0-1-N/A-N/A



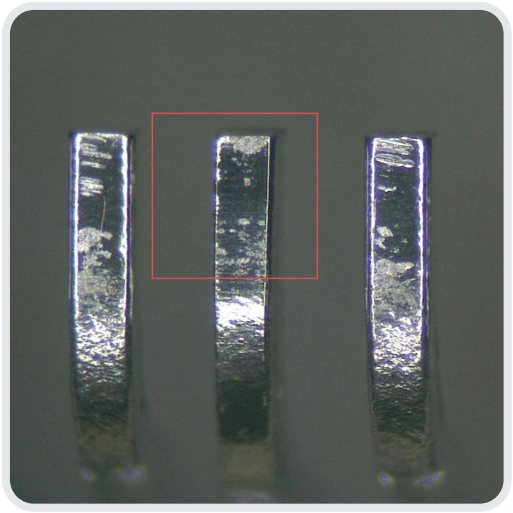
Magnified Photo of Marking
1-0-1-N/A-N/A



Exposed Base Metal From Trimming
1-0-1-N/A-N/A

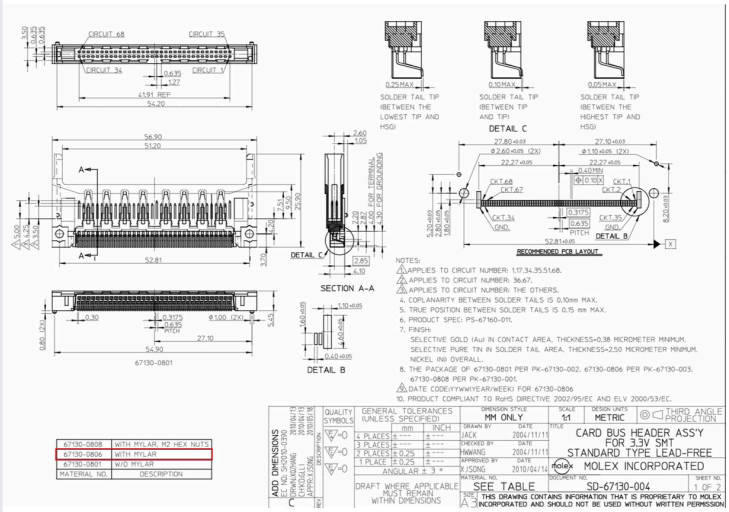


Stress marks
1-0-1-N/A-N/A

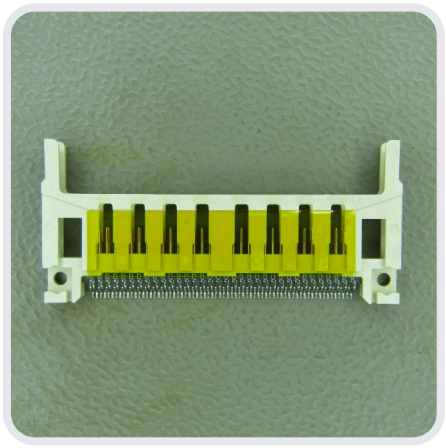


Terminal

1-0-1-N/A-N/A



Package Drawing

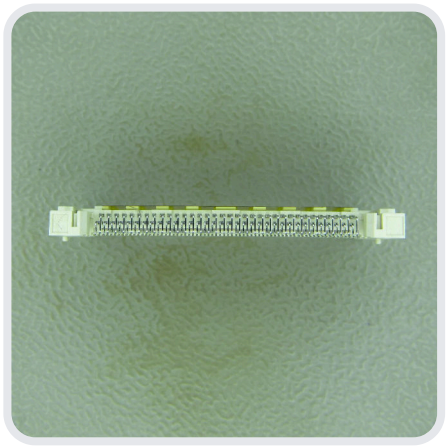


1-0-1-N/A-N/A

Top

1-0-1-N/A-N/A

Side One



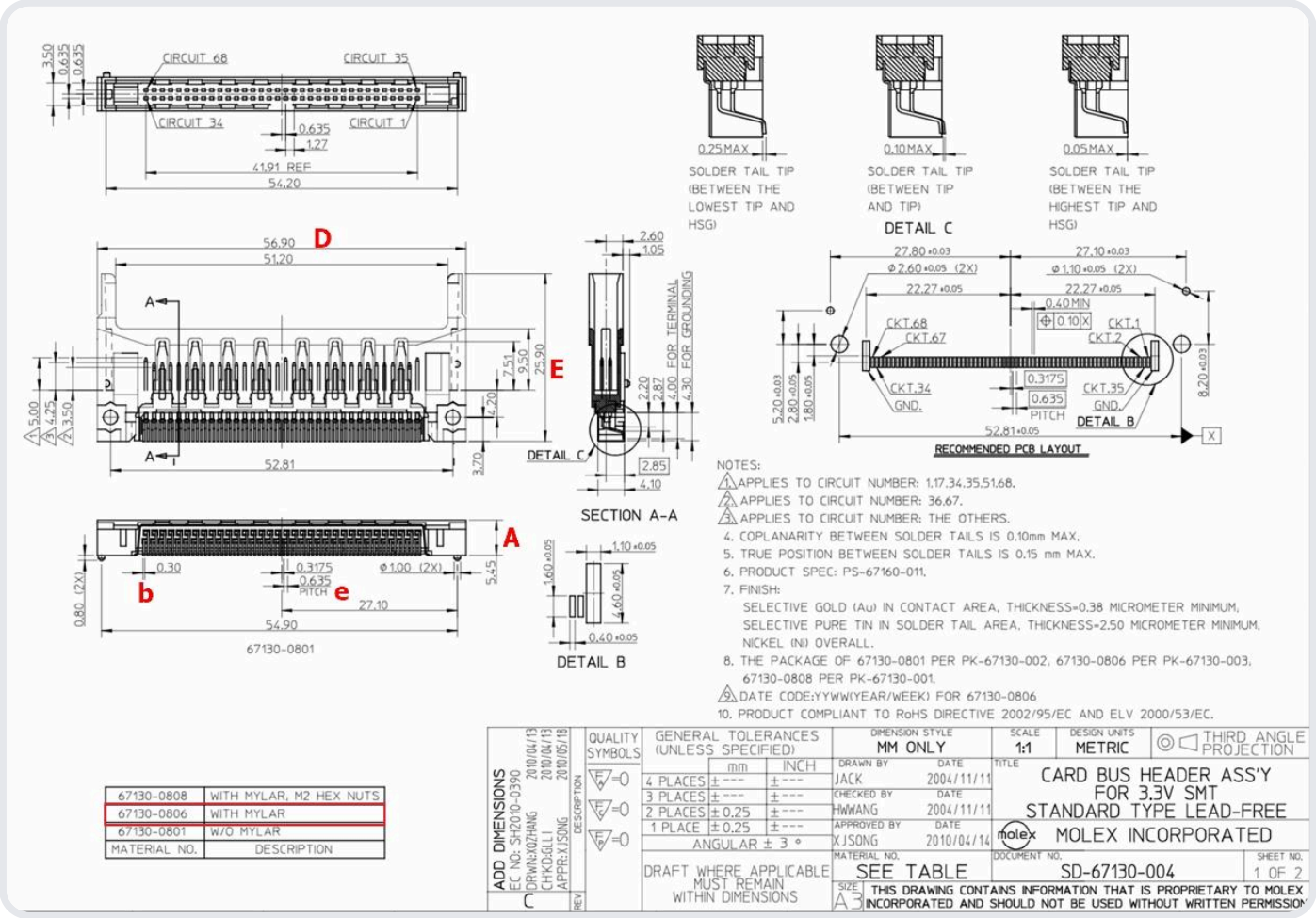
1-0-1-N/A-N/A

Side Two

1-0-1-N/A-N/A

Side Three

POD Dimension Tables



Dimension Data Measured Device Key

Device #	1	2	3
Sample ID	1-0-1-N/A-N/A	1-0-1-N/A-N/A	1-0-2-N/A-N/A

Dimension Data Log

Label	UOM	Tolerance	Device # 1	Device # 2	Device # 3
D	mm	56.900 +/- 0.250	56.960	56.980	56.990
E	mm	25.900 +/- 0.250	25.980	25.950	25.960
A	mm	5.450 +/- 0.250	5.200	5.200	5.200
b	mm	0.300	0.280	0.280	0.280
e	mm	0.635	0.640	0.640	0.630
g	g	—	3.180	3.160	3.170

Dimension Data Log Photo

Label : D
1-0-1-N/A-N/A

Label : E
1-0-1-N/A-N/A

Label : A
1-0-1-N/A-N/A

Label : b
1-0-1-N/A-N/A

Dimension Data Log Photo

Label : e

1-0-1-N/A-N/A

Label : g

1-0-1-N/A-N/A

Report Explanations

1. Result is either Acceptable, Unacceptable, or Suspect Counterfeit based upon the test methods conducted in the requested test plan and the acceptance criteria defined within AS6171A, section 3.7.1.

2. “Risk Factor” is a calculation of the remaining risk of a device being counterfeit or substandard from the results of the processer conducted, and risk associated with not conducting some processes. Green codes are acceptable with minimal risk of counterfeit or being substandard quality. Yellow codes are potential problems that can be verified with additional testing or physical defects that can be removed. Red codes are unacceptable and either high risk of being counterfeit, fail electrical testing, physically unusable condition.

3. Minor observations such as scratches and loose contamination from normal handling, packaging, storage and aging are defined and allowed within the JEDEC manufacturing standards. Images of minor observations are not included in the report but are on file and available upon request.

4. “FAR” in the process summary on Page 2 means “Further Analysis Recommended”. It is not always possible to reach a conclusion on a single process. When we recommend additional tests to verify an observation found in one process, or gaps in the requested test plan, we will identify those areas of risk as “FAR”.

5. Note that definitions are as defined within the AS6081 and AS6171 standard.

6. Measurements of uncertainty are not included in the report. The reported measurements are valid and measurements of uncertainty are available on request.

7. The decision rule for statement(s) of conformity is based on Binary Statement for Simple Acceptance Rule specified in Decision Rules Clause 4.2.1 in ILAC-G8:09/2019

Notes and Disclaimers

1. Product analysis results are applicable for the inspected samples only. White Horse Laboratories is not liable for the value of the product and any liability is limited to the value of the services provided.

2. “Reference samples” are previously tested and/or inspected product which are used for comparison purposes to the devices analyzed for this report. “Known-good samples” are provided by the customer to compare to unverified product. “Golden samples” are acquired by WHL with direct traceability to the original manufacturer.

3. All source and measurement equipment are calibrated and suitable for the processes conducted with calibration certifications available upon request.

5. WHL is obligated by our Nondisclosure and Confidentiality policy and agreements with our customers. Reports will be verified but no additional information will be supplied by WHL without the prior written approval of the party that requested and ordered the analysis.

6. All conducted methods are established, and test plan approved, by the customer.

Revision History

Revision	Date	Update Information	Technician
307976.1	10-Jan-2025	Receiving EVI	DH0267