FORM 1: PART NUMBER ACCOUNTABILITY

1. Part Number:	2. Part Name:	3. Serial Number:	4. FAIR Identifier:
Customer PN: RK73H1JTTD1001F-AEM	Thick Film Resistors - SMD 125 mW 1Kohms 1% (Sn/Pb Conversion)	N/A	TWM 250956
5. Part Revision Level:	**6. Drawing Number:**	**7. Drawing revision level;**	**8. Additional Changes:**
B	387070	B	N/A
9. Manufacturing Process Reference:	**10. Organization Name:**	**11. Supplier Code:**	**12. Purchase Order Number:**
387070	AEM Inc.	1GLF1	146804/25

13. Detail FAI ☒ **Assembly FAI** ☐	**14. Full FAI** ☒ **Partial FAI** ☐ **Baseline Part Number (including revision level): RK73H1JTTD1001F** **Reason for Full / Partial FAI: Last FAI is over 12 Months.**

a) if part number above is a detail part only, go to Field 19
b) if part number above is an assembly, go to the "INDEX" section below.

INDEX of part numbers or sub-assembly numbers required to make the assembly noted above.

15. Part Number:	16. Part Name:	17. Part Type	18. FAIR Identifier:

19. Does FAIR Contain Documented Nonconformance (s)? Yes ☐ No ☒

20. FAIR Verified By: Dianne Alday E SD-4	**21. Date: 10/01/25**
22. FAIR Reviewed /Approved By: Tien Truong	**23. Date:** 10/01/25
24. Customer Approval	**25. Date:**

26. Comments:

FORM 2 – PRODUCT ACCOUNTABILITY – MATERIALS, SPECIAL PROCESSES, AND FUNTIONAL TESTING

1. Part Number:	2. Part Name:		3. Serial Number:		4. FAI Identifier:
Customer PN: RK73H1JTTD1001F-AEM	Thick Film Resistors - SMD 125 mW 1Kohms 1% (Sn/Pb Conversion)		N/A		TWM 250956
5. Material or Process Name:	**6. Specification Number:**	**7. Code:**	**8. Supplier:**	**9. Customer Approval Verification:**	**10. Certificate of Conformance number:**
Thick Film Resistors - SMD 125 mW 1Kohms 1%	RK73H1JTTD1001F	N/A	LOA Speer Electronics, Inc. 199Bolivar Drive Bradford, PA 16701	N/A	KOA Speer C of C SO#730302501
Sn/Pb Conversion	387070	N/A	AEM Inc. 6610 Cobra Way San Diego, CA 92121	N/A	AEM C. of C. for Sn/Pb Conversion TWM 250956

11. Functional Test Procedure Number:	12. Acceptance report number:
LAB 015 Rev. B ESD Control Program	TWM 250956
P70155 REV. J Solderability Test Procedure	TWM 250956

13. Comments:

FORM 3 – CHARACTERISTIC ACCOUNTABILITY, VERIFICATION, AND COMNPATIBILITY EVALUATION

1. Part Number	2. Part Name	3. Serial Number	4. FAI Identifier
Customer PN: RK73H1JTTD1001F-AEM	Thick Film Resistors - SMD 125 mW 1Kohms 1% (Sn/Pb Conversion)	N/A	TWM 250956

Characteristic Accountability				Inspection / Test Results			
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed / Qualified Tooling	11. Non-Conformance Number	12. Additional Data / Comments
1	387070 Flow Chart	NA	TWM Pre-production per P90106	**Verified / Pass**	N/A	N/A	Requirements identified, followed, and verified.
2	387070 Flow Chart	NA	Pre-conversion "As-received" Sample Inspection (QA1). Solderability Evaluation (Sample) P70155	**Verified / Pass**	N/A	N/A	Verified in Solderability Test Record (QA1
3	387070 Flow Chart	NA	Pre-conversion "As-received" Sample Inspection (QA1). Sample Evaluation per document P90104.	**Verified / Pass**	N/A	N/A	Verified in QA1 test records
4	387070 Flow Chart	NA	Pre-conversion "As-received" Sample Inspection (QA1). EDS/XRF Measurements (Sn% and thickness) Evaluation(Sample_ per Lab 25	**Verified / Pass**	N/A	N/A	Verified in As-received XRF record included in the data package.
5	387070 Flow Chart	NA	Pre-conversion "As-received" Sample Inspection (QA1). FAI: FORM 3 per LAB034.	**Verified / Pass**	N/A	N/A	Verified in as-received FAI Form3
6	387070 Flow Chart	NA	Sn/Pb Conversion Pre-evaluation per P90100	**Verified / Pass**	N/A	N/A	Verified in TWM Route Sheet (F70978)
7	387070 Flow Chart	NA	De-reel / Unpacking of components per LAB020	**Acknowledged**	N/A	N/A	Verified in TWM Route Sheet (F70977)
8	387070 Flow Chart	NA	Sn/Pb Conversion Process P90100	**Verified / Pass**	N/A	N/A	Verified in TWM Route Sheet (F70977)
9	387070 Flow Chart	NA	Dry / Bake Process per P90103	**Verified / Pass**	N/A	N/A	Verified in TWM Route Sheet (F70977)
10	387070 Flow Chart	NA	XRF Measurements (Sn% and Thickness) (Sample) per LAB025	**Verified / Pass**	N/A	N/A	Verified in post XRF data included in the data package.
11	387070 Flow Chart	NA	100% Visual inspection per LAB021	**Verified / Pass**	N/A	N/A	Verified in TWM Route Sheet (F70977)

FORM 3 – CHARACTERISTIC ACCOUNTABILITY, VERIFICATION, AND COMNPATIBILITY EVALUATION

1. Part Number	2. Part Name	3. Serial Number	4. FAI Identifier
Customer PN: RK73H1JTTD1001F-AEM	Thick Film Resistors - SMD 125 mW 1Kohms 1% (Sn/Pb Conversion)	N/A	TWM 250956

Characteristic Accountability				Inspection / Test Results			
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed / Qualified Tooling	11. Non-Conformance Number	12. Additional Data / Comments
12	387070 Flow Chart	NA	Post-Conversion Sample Inspection (QA2). Solderability Evaluation (Sample) per 70155	**Verified / Pass**	N/A	N/A	Verified in Solderability Test Record (QA2)
13	387070 Flow Chart	NA	Post-Conversion Sample Inspection (QA2).Sample Evaluation (Sample) per P90105	**Verified / Pass**	N/A	N/A	Verified in QA2 test records.
14	387070 Flow Chart	NA	Post-Conversion Sample Inspection (QA2).DPA Evaluation (Sample) per P7018	**Verified / Pass**	N/A	N/A	Verified in DPA Route Sheet
15	387070 Flow Chart	NA	Post-Conversion Sample Inspection (QA2). EDS (Sample) LAB009	**Verified / Pass**	N/A	N/A	Verified in EDS included in the data package
16	387070 Flow Chart	NA	Post-Conversion Sample Inspection (QA2). FAI: Form 3 per LAB034	**Verified / Pass**	N/A	N/A	Verified in post processed FAI Form 3 included in the data package.
17	387070 Flow Chart	NA	Tape and Reel Component Packaging (outsourced	**Verified / Pass**	N/A	N/A	Verified in copy of Pelican label
18	387070 Flow Chart	NA	Tape and Reel Component Inspection per P90107	**Verified / Pass**	N/A	N/A	Verified on device packaging and Tape & Reel Inspection Record
19	387070 Flow Chart	NA	Data package per P70841	**Verified / Pass**	N/A	N/A	Verified in TWM C. of C. included in the data package
20	RK73H Datasheet	NA	L; Length 1.40 – 1.80 mm	**1.66**	N/A	N/A	Caliper Cal ID: 0582 Expire 09/24/26
21	RK73H Datasheet	NA	W: Width 0.70 – 0.90 mm	**0.84**	N/A	N/A	Caliper Cal ID: 0582 Expire 09/24/26
22	RK73H Datasheet	NA	c: Terminal c 0.20 – 0.40 mm	**0.24**	N/A	N/A	Microscope Camera 0114. Expire 08/29/26
23	RK73H Datasheet	NA	D: Terminal d 0.20 – 0.40 mm	**0.28**	N/A	N/A	Microscope Camera 0114. Expire 08/29/26
24	RK73H Datasheet	NA	T: Thickness 0.35 – 0.55 mm	**0.44**	N/A	N/A	Caliper Cal ID: 0582 Expire 09/24/26

FORM 3 – CHARACTERISTIC ACCOUNTABILITY, VERIFICATION, AND COMNPATIBILITY EVALUATION

1. Part Number				2. Part Name			3. Serial Number	4. FAI Identifier
Customer PN: RK73H1JTTD1001F-AEM				Thick Film Resistors - SMD 125 mW 1Kohms 1% (Sn/Pb Conversion)			N/A	TWM 250956
Characteristic Accountability				**Inspection / Test Results**				
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed / Qualified Tooling	11. Non-Conformance Number	12. Additional Data / Comments	

Sheet of

25	RK73H Datasheet	NA	Electrical DC Resistance 990 – 1010 Ohms	**998**	N/A	N/A	Digital Multi-meter Cal ID# 112. Expire 02/18/26
26	100% Testing Data	NA	Capacitance: 100% testing	**Verified / Pass**	N/A	N/A	Verified 100% Capacitance testing in data package.

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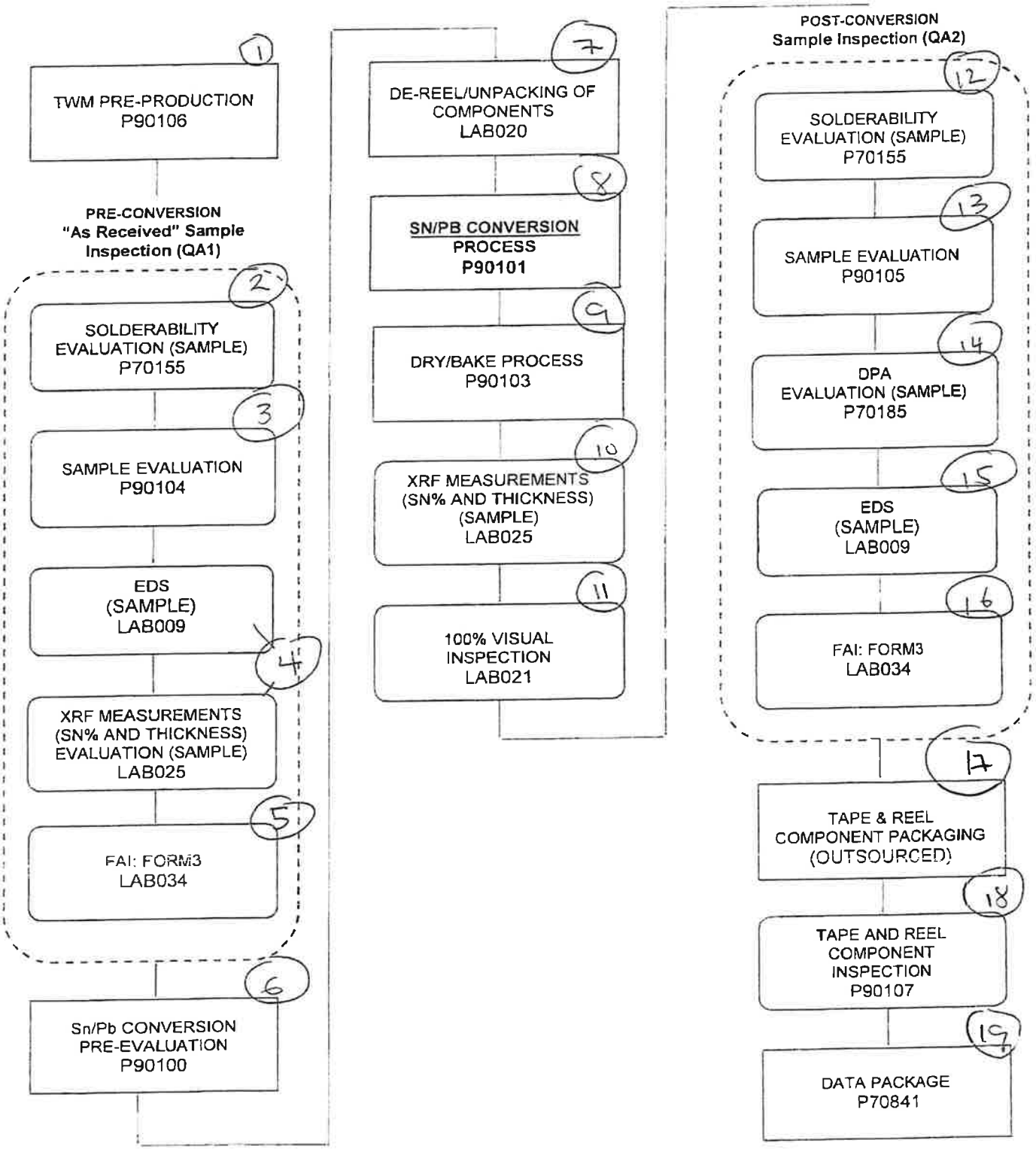
AEM, INC.	6610 COBRA WAY SAN DIEGO, CA 92121	TITLE: FLOW CHART OF OPERATIONS FOR TIN WHISKER MITIGATION SERVICES
NUMBER 387070	REVISION B	SHEET 1 of 1

REF		REV	ECN	DESCRIPTION	APPROVED
DESIGNED	E.L / J.M. / B.D.	A	2142	ISSUE NEW DRAWING	J. M. 2/05
DRAWN	Intae K. / J. Montgomery / Aaron K.	B	2210	REVISED	J. M. 08/19
CHECKED	J. MONTGOMERY				

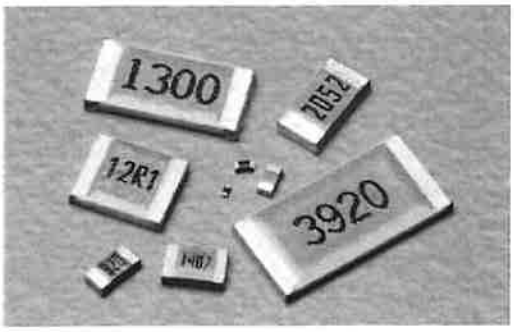


KOA SPEER ELECTRONICS, INC.

RK73H

precision 0.5%, 1% tolerance thick film chip resistor

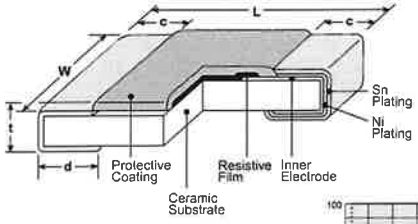
EU RoHS COMPLIANT



features

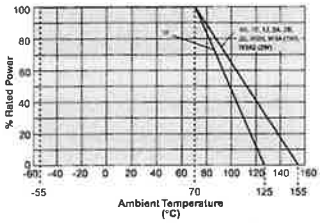
- Wide lineup from 01005 to 2512 size
- Excellent heat resistance and weather resistance are ensured by the use of metal glaze thick film
- Suitable for both flow and reflow solderings
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
- AEC-Q200 Tested: 0201 (1H), 0402 (1E), 0603 (1J), 0805 (2A), 1206 (2B), 1210 (2E), 2010 (2H/W2H), 2512 (3A/W3A/W3A2)

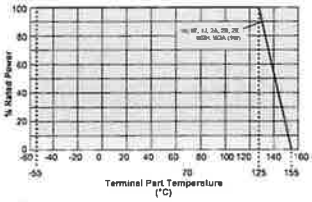
dimensions and construction

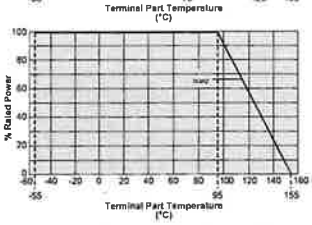


Type* (Inch Size Code)	Dimensions inches (mm) L	W	c	d	t
1F (01005)	.016±.0008 (0.4±0.02)	.008±.0008 (0.2±0.02)	.004±.001 (0.1±0.03)	.004±.001 (0.11±0.03)	.005±.0008 (0.13±0.02)
1H (0201)	.024±.001 (0.6±0.03)	.012±.001 (0.3±0.03)	.004±.002 (0.1±0.05)	.006±.002 (0.15±0.05)	.009±.001 (0.23±0.03)
1E (0402)	.039 +.004 -.002 (1.0 +0.1 -0.05)	.02±.002 (0.5±0.05)	.008±.004 (0.2±0.1)	.01 +.002 -.004 (0.25 +0.05 -0.1)	.014±.002 (0.35±0.05)
1E AT (0402)			.01±.004 (0.25±0.1)	.012±.006 (0.3±0.15)	
1J (0603)	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
1J AT (0603)			.014±.006 (0.35±0.15)	.02±.008 (0.5±0.2)	
2A (0805)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 +.008 -.004 (0.3 +0.2 -0.1)	.02±.004 (0.5±0.1)
2A AT (0805)			.018±.010 (0.45±0.25)	.024±.008 (0.6±0.2)	.022±.004 (0.55±0.1)
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 +.008 -.004 (0.4 +0.2 -0.1)	.024±.004 (0.6±0.1)
2B AT (1206)			.022±.014 (0.55±0.35)	.031±.008 (0.8±0.2)	
2E (1210)		.102±.008 (2.6±0.2)	.02±.012 (0.5±0.3)	.016 +.008 -.004 (0.4 +0.2 -0.1)	
2H (2010)	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)			
W2H *1 (2010)				.026±.006 (0.65±0.15)	
3A *1 (2512)	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)		.016 +.008 -.004 (0.4 +0.2 -0.1)	
W3A/W3A2*1 (2512)				.026±.006 (0.65±0.15)	

Derating Curve







For resistors operated at an ambient temperature of 70°C or higher, the power shall be derated in accordance with the above derating curve.

When the terminal part temperature of the resistor exceeds the rated terminal part temperature shown above, the power shall be derated according to the derating curve.

Please refer to "Introduction of the derating curves based on the terminal part temperature" on the beginning of our catalog before use

*Parentheses indicate EIA package size codes.

*1 RK73H 2H, 3A and 3A2 are also still available (different "d" dimensions = 0.4 +0.2/-0.1mm)

ordering information

RK73H	2B		T	TD	1003	F
Type	Size	Characteristics	Termination Material	Packaging	Nominal Resistance	Tolerance
	1F, 1H 1E, 1J 2A, 2B 2E W2H W3A 2H, 3A W3A2	Nil:Standard A: Heat shock resistance *2	T: Sn G: Au *3 (L:Sn/Pb*4)	TX: 4mm width - 1mm pitch plastic embossed TBL - TCM: 2mm pitch press paper *5 TPL - TP: 2mm pitch punch paper TD: 4mm pitch punch paper TE: 4mm pitch plastic embossed Other non-standard reel sizes available, contact factory for other options	3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω	D: ±0.5% F: ±1%

*2 With type A only T is available as the terminal surface material

*3 Products with gold plated electrodes are also available with 1E, 1J and 2A types (10Ω~1MΩ), so please consult with us

*4 With type 1F, 1H, W2H, W3A, W3A2 only T is available as the terminal surface material

*5 Standard taping specification of 1H is TCM. Previously available"TC(10,000pcs/Reel)"is not recommended for new designs.

The terminal surface material lead free is standard.

For further information on packaging, please refer to Appendix A

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use. 11/03/23

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(2) (3)

AEM, INC.

SOLDERABILITY TEST RECORD (TWM)

PROCESS INSTRUCTION: P70155

CHECK ONE BOX:

☑ QA1: As-Received ☐ Pre-Eval (Post-Conversion) ☐ QA2

☐ Other _____

CHECK ONE BOX:

Solderability Test Method:

☑ MIL-STD-202-208 (After 8-hour steam aging exposure)

START Time/Date: Steam Aging 11:00 PM / 08-12-25

STOP Time/Date: Steam Aging: 7:00 AM / 08-13-25

Time/Date of Solderability DIP Test Completion: 11:05 AM / 08-13-25

☐ CC9

☐ Other _____

Part Number ~~THN-RK73H1JTTD~~ 1001F-AEM (Rev 1169) Lot Number: TWM 250956

Date of Test 08-13-25 Equipment Cal. ID 1113/0747

Sample Size 10 pcs.

Test Temperature 245 °C Test Duration 5 seconds

Acceptance Criteria:

1. There shall be no mechanical damage
2. New solder coverage shall be 95% minimum.
3. Pinholes, voids, porosity, nonwetting, or dewetting shall not concentrate in one area.

Test Result: ☑ Accepted ☐ Rejected

Tested by: 1052

AEM, INC.

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(3)

VISUAL INSPECTION RECORD (TWM)

CHECK ONE BOX:

- ☐ Pre-Eval (As-Received)
- ☐ Pre-Eval (Post-Conversion)
- ☒ QA1
- ☐ QA2
- ☐ Other _____

Part Number ~~TWM~~ RK73H1JTTD1601F ~~AEM~~ Rx 1169 Lot Number: TWM 250956

Date of Test 8-12-25 Equipment Cal. ID 0214

Sample Size 10

Acceptance Criteria:

1. There shall be no rejectable visual defects.

Test Result: ☒ Accepted ☐ Rejected

Tested by: 1176

AEM, INC.

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(3)

LEACH RESISTANCE TEST RECORD (TWM)

PROCESS INSTRUCTION: P70156

CHECK ONE BOX:

☐ Pre-Eval (As-Received) ☐ Pre-Eval (Post-Conversion)

☑ QA1 ☐ QA2

☐ Other _____

Part Number ~~THN-RK73H1JTTD~~ 1001F-AEM Lot Number: TWM 250956

Date of Test 08-12-25 Equipment Cal. ID 0623

Sample Size 10 pcs. Test Temperature 260 °C

Test Duration 60 seconds

Acceptance Criteria:

1. Leached away area shall not exceed 10%.

Test Result:	☑ Accepted ☐ Rejected
Tested by: 1052	

AEM, INC.

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(3)

TERMINAL STRENGTH TEST RECORD (TWM)

PROCESS INSTRUCTION: P70115

CHECK ONE BOX:

- ☐ Pre-Eval (As-Received)
- ☐ Pre-Eval (Post-Conversion)
- ☑ QA1
- ☐ QA2
- ☐ Other _____

Part Number: ~~TIN-RK73H1JTTD~~ 1169 1061F-AEM Lot Number: TWM 250956

Date of Test: 08-12-25 Equipment Cal. ID: 0932

Sample Size: 10 pcs. Load Applied: 300 g

Test Duration: 30 seconds

Special Requirement ☐ Yes ☑ No (If yes, please describe below)

Acceptance Criteria:

1. There shall be no mechanical damage.
2. Special requirement shall be met.

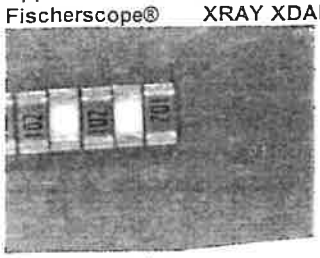
Test Result: ☑ Accepted ☐ Rejected

Tested by: 1052

AEM, Inc. 6610 Cobra Way, San Diego, CA 92121

Product: 3 / SnPb/Ni/Ag 9-14-15
Application: 3 / SnPb/Ni/Ag 9-11-15
Fischerscope® XRAY XDAL 237

Directory: AEM



(4)

TWM 250956 AS RECEIVED (10 pcs.)

n=	1	SnPb1=	7.55 µm	Sn 1 =	99.6 %	Pb 1 = 0.375 %
n=	2	SnPb1=	8.02 µm	Sn 1 =	99.7 %	Pb 1 = 0.328 %
n=	3	SnPb1=	7.62 µm	Sn 1 =	99.5 %	Pb 1 = 0.497 %
n=	4	SnPb1=	7.69 µm	Sn 1 =	99.5 %	Pb 1 = 0.460 %
n=	5	SnPb1=	7.80 µm	Sn 1 =	99.5 %	Pb 1 = 0.537 %
n=	6	SnPb1=	7.62 µm	Sn 1 =	99.4 %	Pb 1 = 0.563 %
n=	7	SnPb1=	10.4 µm	Sn 1 =	98.8 %	Pb 1 = 1.25 %
n=	8	SnPb1=	9.65 µm	Sn 1 =	99.3 %	Pb 1 = 0.718 %
n=	9	SnPb1=	8.76 µm	Sn 1 =	98.9 %	Pb 1 = 1.12 %
n=	10	SnPb1=	9.14 µm	Sn 1 =	99.5 %	Pb 1 = 0.537 %
n=	11	SnPb1=	8.16 µm	Sn 1 =	98.6 %	Pb 1 = 1.39 %
n=	12	SnPb1=	8.46 µm	Sn 1 =	99.2 %	Pb 1 = 0.818 %
n=	13	SnPb1=	7.15 µm	Sn 1 =	99.3 %	Pb 1 = 0.738 %
n=	14	SnPb1=	6.90 µm	Sn 1 =	99.4 %	Pb 1 = 0.635 %
n=	15	SnPb1=	8.55 µm	Sn 1 =	99.1 %	Pb 1 = 0.904 %
n=	16	SnPb1=	8.61 µm	Sn 1 =	99.3 %	Pb 1 = 0.674 %
n=	17	SnPb1=	8.01 µm	Sn 1 =	99.3 %	Pb 1 = 0.710 %
n=	18	SnPb1=	8.51 µm	Sn 1 =	99.3 %	Pb 1 = 0.740 %
n=	19	SnPb1=	7.50 µm	Sn 1 =	98.0 %	Pb 1 = 2.01 %
n=	20	SnPb1=	7.53 µm	Sn 1 =	99.0 %	Pb 1 = 1.03 %

	SnPb1 µm	Sn 1 %	Pb 1 %
Mean	8.183	99.20	0.802
Standard Deviation	0.858	0.401	0.401
CoV (%)	10.49	0.40	-------
Range	3.53	1.68	1.68
Number of readings	20	20	20
Min. reading	6.90	98.0	0.328
Max. reading	10.4	99.7	2.01
Measuring time	10 sec		

Operator: 1270
Date: 8/25/2025 Time: 8:49:21 AM
CAL ID#: 0836

AS9102 Rev C Format First Article Inspection
Form 3: Characteristic Accountability, Verification and Compatibility Evaluation
(TWM Products) ~~TIN-RK73H1JTTD1001F-AEM~~ RK73H1JTTD1001F-AEM

AS RECEIVED

1. AEM Part Number RK73H1JTTD1001F F -AEM	2. Part Name: Resistor	3. Serial Number TWM Lot#: 250956	4. FAI Report TWM 250956

Characteristic Accountability				Inspection / Test Results			14. [Insert columns, etc, as required by Organization or Customer]									
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number										
1	Datasheet	Length (L)	1.4-1.8 (mm)	☑Accept / ☐ Reject	0582	N/A, 1339	1.63	1.64	1.61	1.65	1.66	1.65	1.64	1.65	1.64	1.65
2	Datasheet	Width (W)	0.7-0.9 (mm)	☑Accept / ☐ Reject	0582		.81	.83	.81	.84	.83	.83	.84	.81	.82	.81
3	Datasheet	Height/Thickness (t)	~~0.44-0.56 (MM)~~ .35-.55 2nd	☑Accept / ☐ Reject	0582		.45	.45	.44	.45	.45	.46	.46	.46	.46	.45
4	Datasheet	BW or Terminal Width Top (c)	0.2-0.4 (MM) 2nd	☑Accept / ☐ Reject	0114		.29	.29	.27	.26	.32	.31	.29	.29	.30	.27
5	Datasheet	BW or Terminal Width Bottom (d)	~~0.2~~-0.4(mm) .2	☑Accept / ☐ Reject	0114		.33	.28	.26	.30	.28	.31	.30	.28	.31	.29
6	Datasheet	Electrical: DC Resistance	0.99-1.01 kohms @25	☑Accept / ☐ Reject	1121		1.00	1.00	.99	.99	1.00	1.00	1.00	1.00	1.00	1.00
7		Visual Inspection		☑Accept / ☐ Reject	0193		P	P	P	P	P	P	P	P	P	P

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

12. Prepared By 1339

13. Date 8-12-25

G

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(6)

TWM ROUTE SHEET NO.: F70978

REV. A ECN: 2210 08/19

TWM PRE-EVAL / QA1 / QA2 SAMPLE EVALUATIONS

TWM #: 250956

COMPONENT TYPE: RESISTOR
AEM PART NUMBER: RK73H1JTTD1001F-AEM
OEM PART NUMBER: RK73H1JTTD1001F
OEM LOT NUMBER: 910386 74
OEM LOT DATE CODE: 2510

START DATE: 8-12-25 REQUIRED DATE: 10-31-25

Customer Provided Parts: YES ____ NO X

Run #: 1

OPER NUMBER	Instruction	"X" if not applicable*	Sample Qty.	Date	Accept	Reject	EMP. NO.	NOTES:
Pre-Eval: Pre-Conversion Evaluations (QA1)								
LAB 026	Visual Inspection	✓	10	8·12·25	10	0	1176	
LAB 025	XRF Thx/Pb%	✓	10	8-25-25	10	~~0~~	1270	
P70185	SEM/EDS	X					1176	
P70155	Solderability	✓	10	08-13-25	10	~~0~~	1052	
P70156	Leach Test	✓	10	08-12-25	10	~~0~~	1052	
P70115	Terminal Strength	✓	10	08-12-25	10	~~0~~	1052	
FAI Form3	Electrical	✓	10	8·12·25	10	0	1339	
FAI Form3	Mechanical	✓	10	8·12·25	10	0	1339	
Pre-Eval Post-Conversion Evaluations								
LAB 026	Visual Inspection							
LAB 025	XRF Thx/Pb%							
P70185	SEM/EDS							
P70155	Solderability							
P70156	Leach Test							
P70115	Terminal Strength							
FAI Form3	Electrical							
FAI Form3	Mechanical							
P70185	DPA							
Production Post-Conversion Evaluations (QA2)								
LAB 026	Visual Inspection	✓	10	8-27-25	10	0	1262	
LAB 025	XRF Thx/Pb%	✓	50	08/27/25	50	0	1410	
P70185	EDS	✓	10	8-29-25	10	0	1037	
P70155	Solderability	✓	10	8-28-25	10	0	1262	
P70185	DPA	✓	5	8·27·25	5	0	1394	
FAI Form3	Electrical	✓	10	9·2·25	10	0	1339	
FAI Form3	Mechanical	✓	10	9·2·25	10	0	1339	
P70156	Leach Test	✓	10	8-27-25	10	0	1262	
P70115	Terminal Strength	✓	10	8-27-25	10	0	1262	
P70841	QA Acceptance			Accept			1092	

* TWM Manager/Engineer/ Screening Supervisor to insert "X" where tests are not applicable

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AEM, INC.

TWM ROUTE SHEET NO.: F70977

REV. B ECN: 2215 10/20

Notes:

(1) Perform XRF measurements on a 10 piece sample basis for Thickness and Sn/Pb % contents: Perform 100% measurements when P.O. requires.
(2) Perform FAI and on a 10 piece sample.
(3) QA to perform DPA on a 5 piece sample.
(4) Perform EDS on a 10 piece sample.

TWM Production Process: Remove Sn & Sn/Pb Plate

TWM #: 250956

AEM TWM LOT DATE CODE: 2535

COMPONENT TYPE: **RESISTOR**

AEM PART NUMBER: **RK73H1JTTD1001F-AEM**

OEM PART NUMBER: **RK73H1JTTD1001F**

OEM LOT NUMBER: **91038674**

OEM LOT DATE CODE: **2510**

REQUIRED DATE: **9/15/2025**

Customer Provided Parts: YES NO **X**

8

POST CONVERSION PROCESS EVALUATIONS

Operation	Qty Start	Qty. Good	Date	Emp. No.
XRF Sn/Pb% & Thx. (1) LAB 025	50	50	8·27·25	1410
EDS (4) P70185	10	10	8-29-25	1037
FAI Form 3 (2)	10	10	9·2·25	1339
DPA (3) P70185	5	5	8.27.25	1394

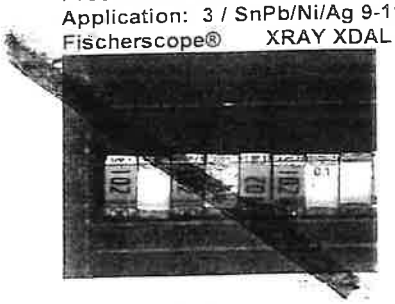
Special Instructions by TWM Manager or Engineer:

OPER NUMBER	OPERATION DESCRIPTION	QTY. START	QTY. GOOD	DATE	EMP. NO.
	PRE-PRODUCTION				
LAB 020 4	De-Reel/Unpacking of components (100%)	2500	2500	8·12·25	1290
	CONVERSION PROCESSES				
P90102 8	Remove Sn (100%)	2500	2500	8·25·25	1270
LAB 026 8	Sn/Pb Plate (100%)	2500	2500	8·25·25	1270
P90103 9	Dry/Bake (100%)	2500	2500	8·25·25	1270
LAB 021 11	100% Visual Inspection	2430	2379	8·27·25	1305
P70841	QA Acceptance	2379	2379	9·20·25	1192 E SD-19

AEM, Inc. 6610 Cobra Way, San Diego, CA 92121

Product: 3 / SnPb/Ni/Ag 9-14-15
Application: 3 / SnPb/Ni/Ag 9-11-15
Fischerscope® XRAY XDAL 237

Directory: AEM



TWM#: 250550
PRE-EVAL TO PRODUCTION POST PROCESS XRF (50 PCS)
Block#: 1

(10)

n= 1	SnPb1=	9.91 µm Sn 1 =	66.8 % Pb 1 =	33.2 %
n= 2	SnPb1=	9.20 µm Sn 1 =	63.6 % Pb 1 =	36.4 %
n= 3	SnPb1=	9.00 µm Sn 1 =	64.9 % Pb 1 =	35.1 %
n= 4	SnPb1=	9.40 µm Sn 1 =	68.7 % Pb 1 =	31.3 %
n= 5	SnPb1=	10.0 µm Sn 1 =	65.0 % Pb 1 =	35.0 %
n= 6	SnPb1=	10.1 µm Sn 1 =	68.5 % Pb 1 =	31.5 %
n= 7	SnPb1=	8.96 µm Sn 1 =	66.4 % Pb 1 =	33.6 %
n= 8	SnPb1=	9.50 µm Sn 1 =	70.7 % Pb 1 =	29.3 %
n= 9	SnPb1=	8.80 µm Sn 1 =	65.2 % Pb 1 =	34.8 %
n= 10	SnPb1=	9.63 µm Sn 1 =	69.2 % Pb 1 =	30.8 %
n= 11	SnPb1=	9.43 µm Sn 1 =	64.3 % Pb 1 =	35.7 %
n= 12	SnPb1=	9.98 µm Sn 1 =	66.7 % Pb 1 =	33.3 %
n= 13	SnPb1=	9.81 µm Sn 1 =	66.2 % Pb 1 =	33.8 %
n= 14	SnPb1=	10.2 µm Sn 1 =	68.7 % Pb 1 =	31.3 %
n= 15	SnPb1=	9.77 µm Sn 1 =	64.7 % Pb 1 =	35.3 %
n= 16	SnPb1=	9.72 µm Sn 1 =	62.5 % Pb 1 =	37.5 %
n= 17	SnPb1=	9.73 µm Sn 1 =	64.0 % Pb 1 =	36.0 %
n= 18	SnPb1=	9.94 µm Sn 1 =	66.8 % Pb 1 =	33.2 %
n= 19	SnPb1=	9.83 µm Sn 1 =	65.7 % Pb 1 =	34.3 %
n= 20	SnPb1=	10.2 µm Sn 1 =	68.0 % Pb 1 =	32.0 %
n= 21	SnPb1=	9.94 µm Sn 1 =	66.1 % Pb 1 =	33.9 %
n= 22	SnPb1=	9.99 µm Sn 1 =	68.4 % Pb 1 =	31.6 %
n= 23	SnPb1=	9.36 µm Sn 1 =	66.1 % Pb 1 =	33.9 %
n= 24	SnPb1=	9.95 µm Sn 1 =	68.7 % Pb 1 =	31.3 %
n= 25	SnPb1=	8.59 µm Sn 1 =	62.8 % Pb 1 =	37.2 %
n= 26	SnPb1=	9.16 µm Sn 1 =	67.6 % Pb 1 =	32.4 %
n= 27	SnPb1=	9.95 µm Sn 1 =	67.1 % Pb 1 =	32.9 %
n= 28	SnPb1=	9.02 µm Sn 1 =	62.8 % Pb 1 =	37.2 %
n= 29	SnPb1=	9.67 µm Sn 1 =	61.5 % Pb 1 =	38.5 %
n= 30	SnPb1=	10.2 µm Sn 1 =	64.2 % Pb 1 =	35.8 %
n= 31	SnPb1=	9.36 µm Sn 1 =	61.7 % Pb 1 =	38.3 %
n= 32	SnPb1=	10.1 µm Sn 1 =	66.4 % Pb 1 =	33.6 %
n= 33	SnPb1=	10.3 µm Sn 1 =	66.2 % Pb 1 =	33.8 %
n= 34	SnPb1=	10.5 µm Sn 1 =	68.2 % Pb 1 =	31.8 %
n= 35	SnPb1=	10.5 µm Sn 1 =	66.1 % Pb 1 =	33.9 %
n= 36	SnPb1=	10.4 µm Sn 1 =	67.3 % Pb 1 =	32.7 %
n= 37	SnPb1=	9.52 µm Sn 1 =	64.6 % Pb 1 =	35.4 %
n= 38	SnPb1=	9.60 µm Sn 1 =	67.1 % Pb 1 =	32.9 %
n= 39	SnPb1=	9.09 µm Sn 1 =	63.4 % Pb 1 =	36.6 %
n= 40	SnPb1=	9.62 µm Sn 1 =	66.2 % Pb 1 =	33.8 %
n= 41	SnPb1=	9.54 µm Sn 1 =	66.1 % Pb 1 =	33.9 %
n= 42	SnPb1=	9.89 µm Sn 1 =	67.9 % Pb 1 =	32.1 %
n= 43	SnPb1=	9.85 µm Sn 1 =	65.7 % Pb 1 =	34.3 %
n= 44	SnPb1=	10.4 µm Sn 1 =	68.2 % Pb 1 =	31.8 %
n= 45	SnPb1=	9.36 µm Sn 1 =	64.7 % Pb 1 =	35.3 %
n= 46	SnPb1=	9.00 µm Sn 1 =	62.1 % Pb 1 =	37.9 %
n= 47	SnPb1=	8.78 µm Sn 1 =	62.6 % Pb 1 =	37.4 %
n= 48	SnPb1=	9.07 µm Sn 1 =	63.6 % Pb 1 =	36.4 %
n= 49	SnPb1=	9.25 µm Sn 1 =	67.3 % Pb 1 =	32.7 %
n= 50	SnPb1=	9.53 µm Sn 1 =	69.6 % Pb 1 =	30.4 %
n= 51	SnPb1=	8.63 µm Sn 1 =	63.3 % Pb 1 =	36.7 %
n= 52	SnPb1=	8.99 µm Sn 1 =	64.0 % Pb 1 =	36.0 %
n= 53	SnPb1=	10.2 µm Sn 1 =	65.4 % Pb 1 =	34.6 %
n= 54	SnPb1=	9.86 µm Sn 1 =	62.0 % Pb 1 =	38.0 %
n= 55	SnPb1=	9.39 µm Sn 1 =	63.7 % Pb 1 =	36.3 %
n= 56	SnPb1=	9.61 µm Sn 1 =	64.9 % Pb 1 =	35.1 %
n= 57	SnPb1=	9.05 µm Sn 1 =	60.7 % Pb 1 =	39.3 %

n=	58	SnPb1=	8.93 µm Sn 1 =	61.8 % Pb 1 = 38.2 %
n=	59	SnPb1=	8.82 µm Sn 1 =	64.9 % Pb 1 = 35.1 %
n=	60	SnPb1=	8.86 µm Sn 1 =	62.6 % Pb 1 = 37.4 %
n=	61	SnPb1=	9.41 µm Sn 1 =	64.1 % Pb 1 = 35.9 %
n=	62	SnPb1=	9.59 µm Sn 1 =	62.2 % Pb 1 = 37.8 %
n=	63	SnPb1=	9.31 µm Sn 1 =	63.3 % Pb 1 = 36.7 %
n=	64	SnPb1=	9.89 µm Sn 1 =	65.0 % Pb 1 = 35.0 %
n=	65	SnPb1=	9.85 µm Sn 1 =	66.3 % Pb 1 = 33.7 %
n=	66	SnPb1=	10.2 µm Sn 1 =	61.9 % Pb 1 = 38.1 %
n=	67	SnPb1=	8.77 µm Sn 1 =	62.5 % Pb 1 = 37.5 %
n=	68	SnPb1=	8.76 µm Sn 1 =	66.0 % Pb 1 = 34.0 %
n=	69	SnPb1=	9.77 µm Sn 1 =	65.0 % Pb 1 = 35.0 %
n=	70	SnPb1=	9.82 µm Sn 1 =	66.2 % Pb 1 = 33.8 %
n=	71	SnPb1=	10.1 µm Sn 1 =	66.8 % Pb 1 = 33.2 %
n=	72	SnPb1=	10.3 µm Sn 1 =	62.4 % Pb 1 = 37.6 %
n=	73	SnPb1=	8.76 µm Sn 1 =	64.2 % Pb 1 = 35.8 %
n=	74	SnPb1=	9.02 µm Sn 1 =	67.3 % Pb 1 = 32.7 %
n=	75	SnPb1=	8.79 µm Sn 1 =	67.1 % Pb 1 = 32.9 %
n=	76	SnPb1=	9.13 µm Sn 1 =	64.4 % Pb 1 = 35.6 %
n=	77	SnPb1=	9.37 µm Sn 1 =	66.8 % Pb 1 = 33.2 %
n=	78	SnPb1=	9.50 µm Sn 1 =	64.8 % Pb 1 = 35.2 %
n=	79	SnPb1=	9.68 µm Sn 1 =	66.3 % Pb 1 = 33.7 %
n=	80	SnPb1=	9.84 µm Sn 1 =	64.5 % Pb 1 = 35.5 %
n=	81	SnPb1=	6.40 µm Sn 1 =	66.9 % Pb 1 = 33.1 %
n=	82	SnPb1=	7.07 µm Sn 1 =	64.7 % Pb 1 = 35.3 %
n=	83	SnPb1=	9.18 µm Sn 1 =	61.9 % Pb 1 = 38.1 %
n=	84	SnPb1=	9.10 µm Sn 1 =	65.1 % Pb 1 = 34.9 %
n=	85	SnPb1=	9.08 µm Sn 1 =	65.7 % Pb 1 = 34.3 %
n=	86	SnPb1=	8.99 µm Sn 1 =	62.4 % Pb 1 = 37.6 %
n=	87	SnPb1=	9.63 µm Sn 1 =	67.2 % Pb 1 = 32.8 %
n=	88	SnPb1=	9.87 µm Sn 1 =	60.6 % Pb 1 = 39.4 %
n=	89	SnPb1=	8.26 µm Sn 1 =	60.8 % Pb 1 = 39.2 %
n=	90	SnPb1=	8.67 µm Sn 1 =	61.9 % Pb 1 = 38.1 %
n=	91	SnPb1=	9.25 µm Sn 1 =	64.0 % Pb 1 = 36.0 %
n=	92	SnPb1=	8.85 µm Sn 1 =	65.5 % Pb 1 = 34.5 %
n=	93	SnPb1=	9.44 µm Sn 1 =	60.8 % Pb 1 = 39.2 %
n=	94	SnPb1=	8.96 µm Sn 1 =	63.2 % Pb 1 = 36.8 %
n=	95	SnPb1=	9.94 µm Sn 1 =	65.2 % Pb 1 = 34.8 %
n=	96	SnPb1=	10.1 µm Sn 1 =	65.4 % Pb 1 = 34.6 %
n=	97	SnPb1=	10.1 µm Sn 1 =	63.9 % Pb 1 = 36.1 %
n=	98	SnPb1=	9.79 µm Sn 1 =	66.2 % Pb 1 = 33.8 %
n=	99	SnPb1=	9.56 µm Sn 1 =	65.0 % Pb 1 = 35.0 %
n=	100	SnPb1=	9.39 µm Sn 1 =	

10

	SnPb1 µm	Sn 1 %	Pb 1 %
Mean	9.464	65.08	34.92
Standard Deviation	0.639	2.223	2.223
CoV (%)	6.75	3.42	6.37
Range	4.12	10.1	10.1
Number of readings	100	100	100
Min. reading	6.40	60.6	29.3
Max. reading	10.5	70.7	39.4
Measuring time	10 sec		

Operator: 1410
Date: 8/27/2025 Time: 9:46:38 AM
CAL ID#: 1104

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(12) (13)

SOLDERABILITY TEST RECORD (TWM)

PROCESS INSTRUCTION: P70155

CHECK ONE BOX:

☐ QA1: As-Received ☐ Pre-Eval (Post-Conversion) ☑ QA2

☐ Other _____

CHECK ONE BOX:

Solderability Test Method:

☑ MIL-STD-202-208 (After 8-hour steam aging exposure)

START Time/Date: Steam Aging 11:00 pm / 8-27-25

STOP Time/Date: Steam Aging: 7:00 AM / 8-28-25

Time/Date of Solderability DIP Test Completion: 10:30 AM / 8-28-25

☐ CC9

☐ Other _____

Part Number RK73H1JTTD1001F-AEM Lot Number: TWM 250956

Date of Test 8-28-25 Equipment Cal. ID C623 / 1020

Sample Size 10 pcs.

Test Temperature 245 °C Test Duration 5 seconds

Acceptance Criteria:

1. There shall be no mechanical damage.
2. New solder coverage shall be 95% minimum.
3. Pinholes, voids, porosity, nonwetting, or dewetting shall not concentrate in one area.

Test Result ☑ Accepted ☐ Rejected

Tested by: 1262

AEM, INC.

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(13)

VISUAL INSPECTION RECORD (TWM)

CHECK ONE BOX:

- ☐ Pre-Eval (As-Received)
- ☐ Pre-Eval (Post-Conversion)
- ☐ QA1
- ☑ QA2
- ☐ Other _____

Part Number ~~HN-RK73H1JTTD1001F~~ AEM Lot Number: TWM 2509156

Qa1169

Date of Test 8-27-25 Equipment Cal. ID 0220

Sample Size 10 PCS.

Acceptance Criteria:

1. There shall be no rejectable visual defects.

Test Result: ☑ Accepted ☐ Rejected

Tested by: 1262

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(13)

LEACH RESISTANCE TEST RECORD (TWM)

PROCESS INSTRUCTION: P70156

CHECK ONE BOX:

- ☐ Pre-Eval (As-Received)
- ☐ Pre-Eval (Post-Conversion)
- ☐ QA1
- ☑ QA2
- ☐ Other _____

Part Number TN-RK73H1JTTD1001FAM (In 1169) Lot Number: TWM 250956

Date of Test 8-27-25 Equipment Cal. ID 0623

Sample Size 10 pcs. Test Temperature 260 °C

Test Duration 60 seconds

Acceptance Criteria:

1. Leached away area shall not exceed 10%.

Test Result: ☑ Accepted ☐ Rejected

Tested by: 1262

(13)

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TERMINAL STRENGTH TEST RECORD (TWM)

PROCESS INSTRUCTION: P70115

CHECK ONE BOX:

- ☐ Pre-Eval (As-Received)
- ☐ Pre-Eval (Post-Conversion)
- ☐ QA1
- ☑ QA2
- ☐ Other _____

Part Number 2a 1109 HN-RK73H1JTTD1001F-AEM Lot Number: TWM 250956

Date of Test 8-27-25 Equipment Cal. ID 0962 / 0932

Sample Size 10 pcs. Load Applied 300 g.

Test Duration 30 seconds

Special Requirement ☐ Yes ☑ No (If yes, please describe below)

Acceptance Criteria:

1. There shall be no mechanical damage.
2. Special requirement shall be met.

Test Result: ☑ Accepted ☐ Rejected

Tested by: 1262

AEM, INC.

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(14)

6610 Cobra Way
San Diego, CA 92121

DPA ROUTE SHEET

DPA # 251146

Lot Number TWM 250956

Sample size 5

AEM Part Number RK73H1JTTD1402F-AEM

Date Code 2535

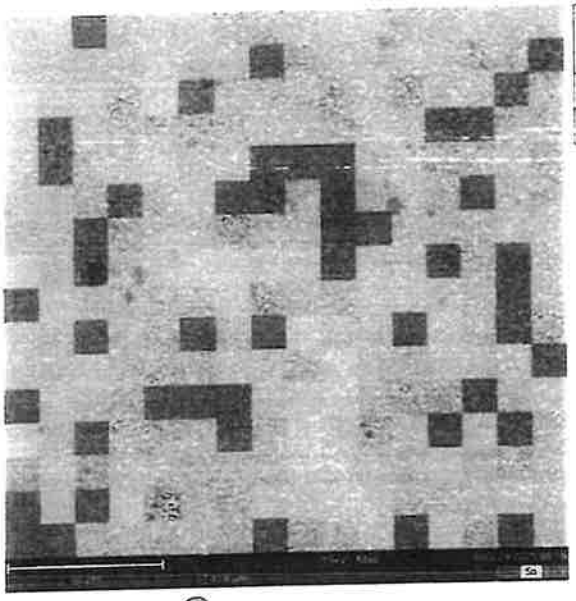
Process Instruction LAB009

SEO #	Operation	Description	Date	Employee #
1	Parts received		8-26-25	1398
2	External visual inspection	Photo-document samples	N/A	N/A
3	Lead / terminal composition	Measure lead / terminal composition	8.29.25	1037
4	Dimensions	Measure against applicable spec (FAI data acceptable)	SEE FAI	ATTACHED PAGE
5	Electrical	Measure against applicable spec and record here:	SEE FAI	ATTACHED PAGE
6	Cross-section 1	Optical inspection	8.27.25	1394
7	Cross-section 2	SEM inspection	8.27.25	1394
8	QA review		8.29.25	1394

Note: Above operations can be carried out in any sequence practical

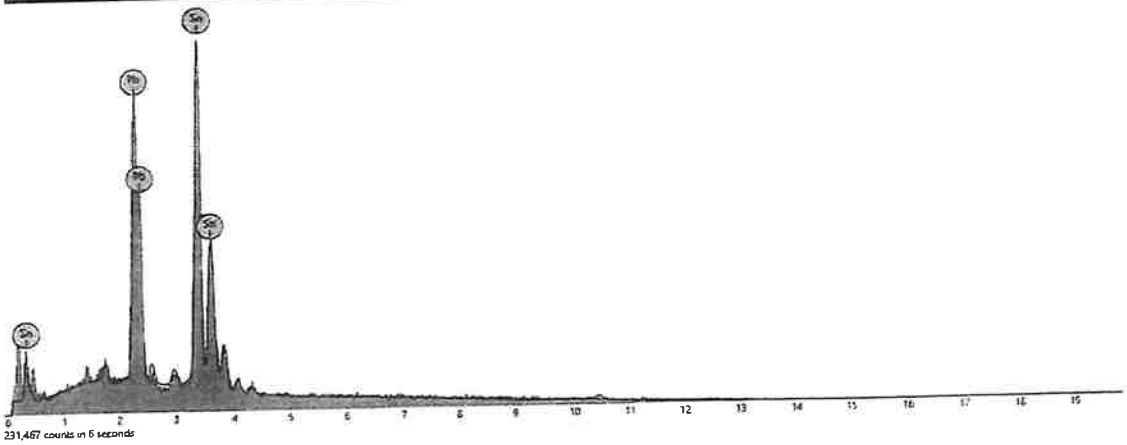
- POST PROCESSED
- REGULAR DPA

RE TO PROD.



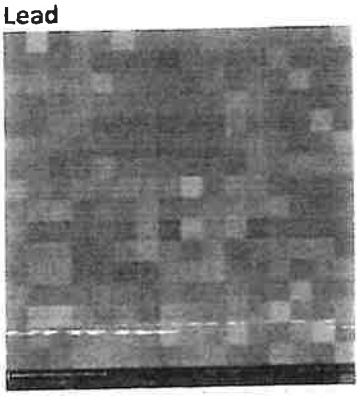
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	63.00	49.38
82	Pb	Lead	37.00	50.62

15



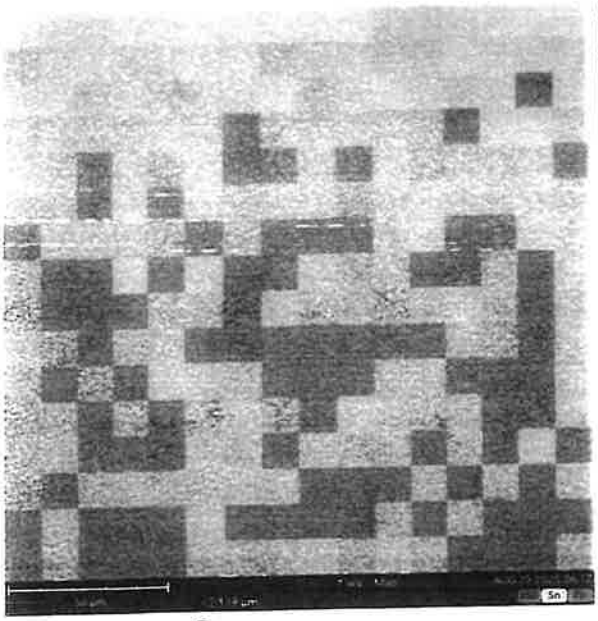
Tin

Lead



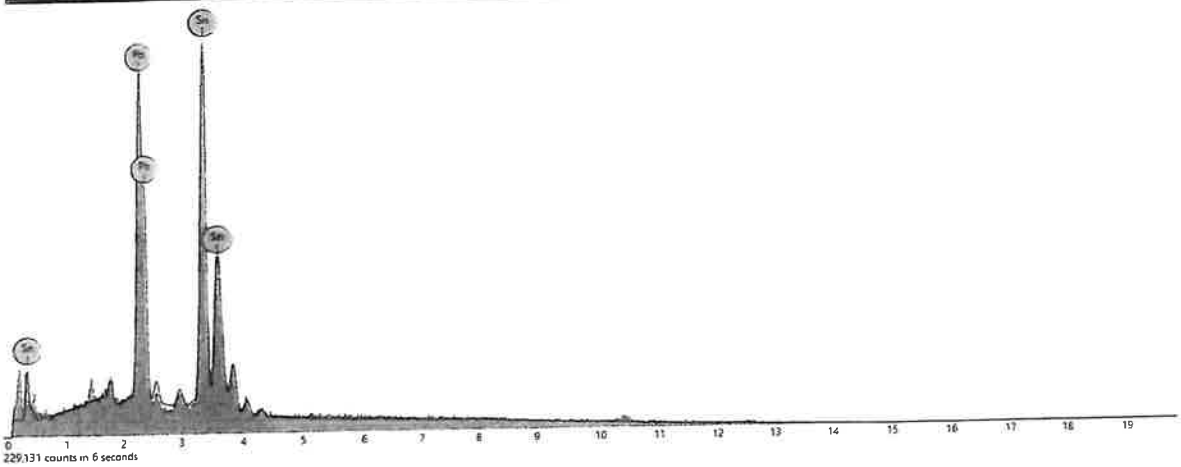
AEM INC.

PHENOM



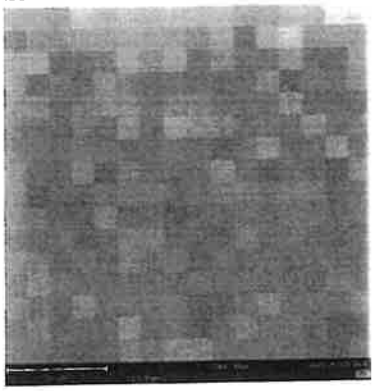
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	60.98	47.24
82	Pb	Lead	39.02	52.76

15



Tin

Lead



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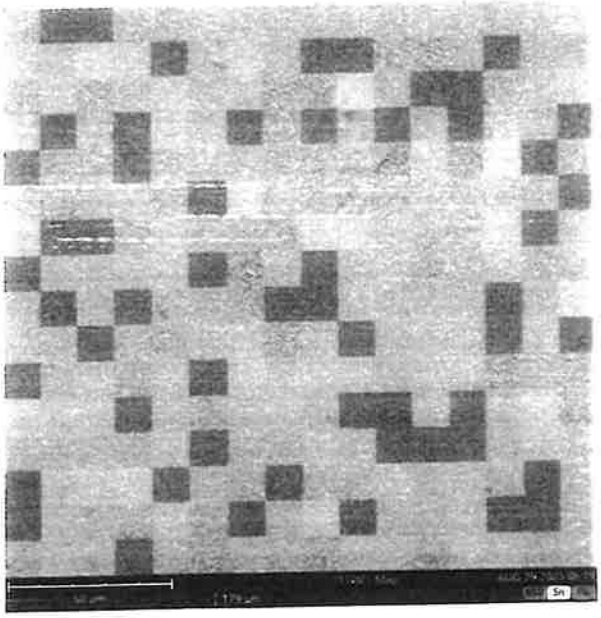
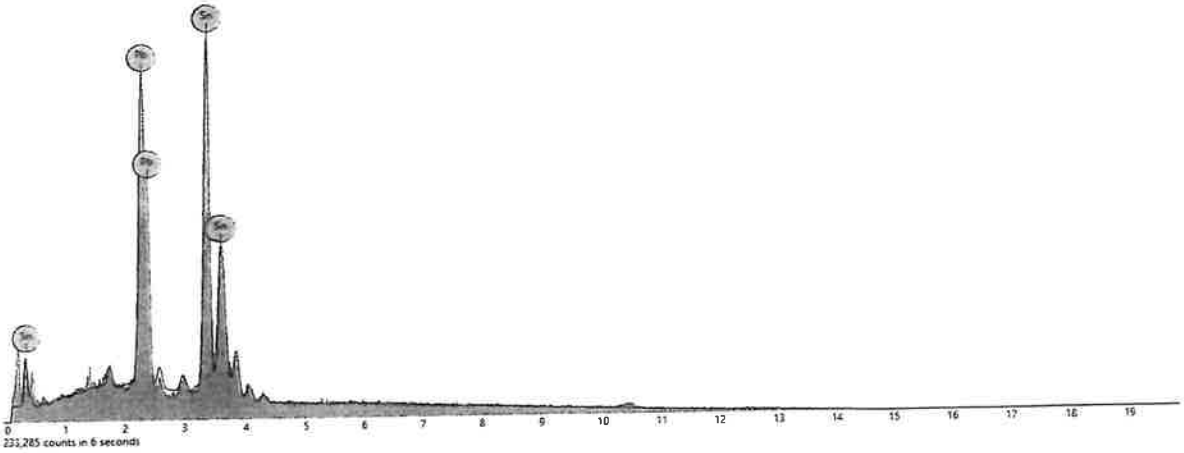
PHENOM



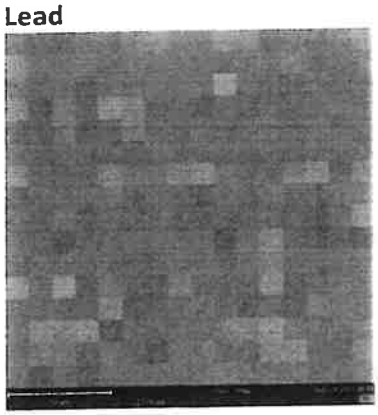
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	61.47	47.75
82	Pb	Lead	38.53	52.25

15



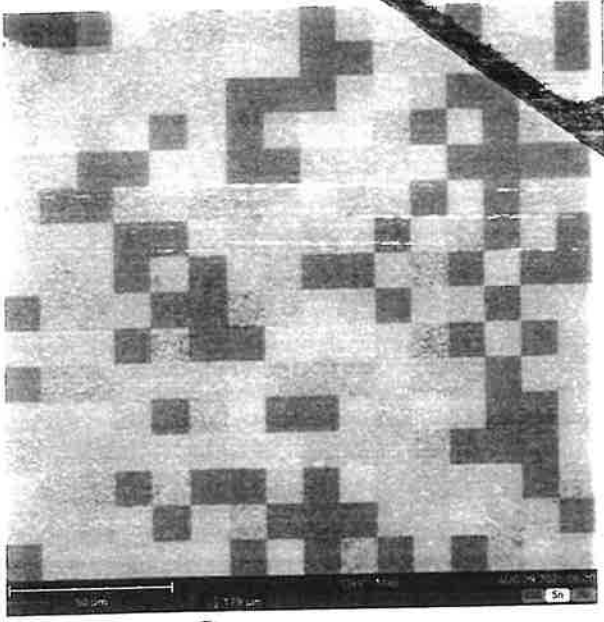
Tin

Lead



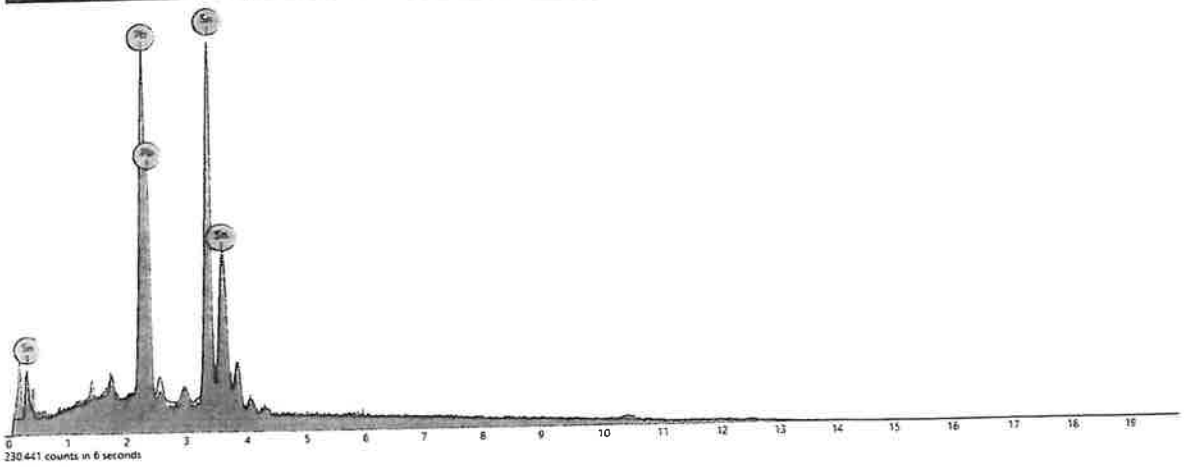
AEM, INC.

PHENOM



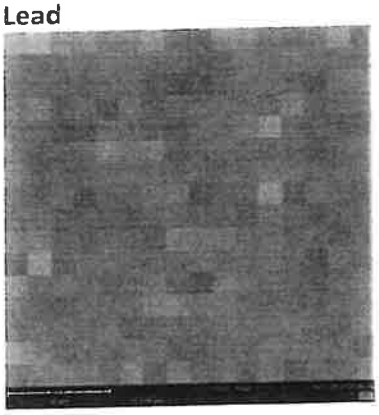
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	59.84	46.05
82	Pb	Lead	40.16	53.95

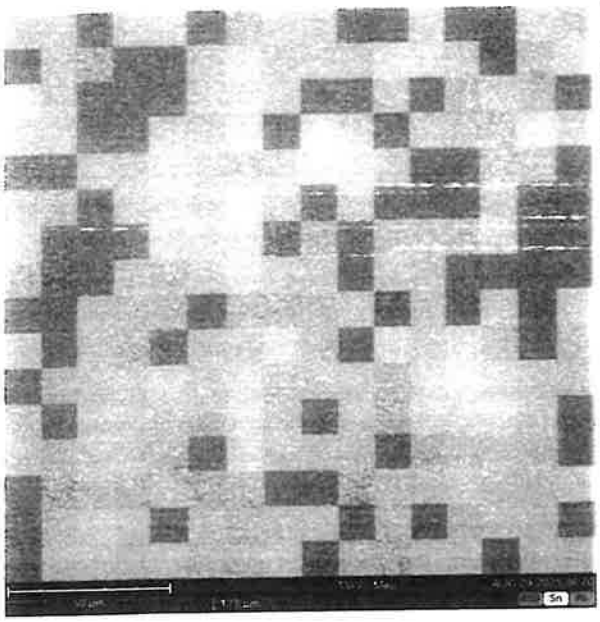
15



Tin

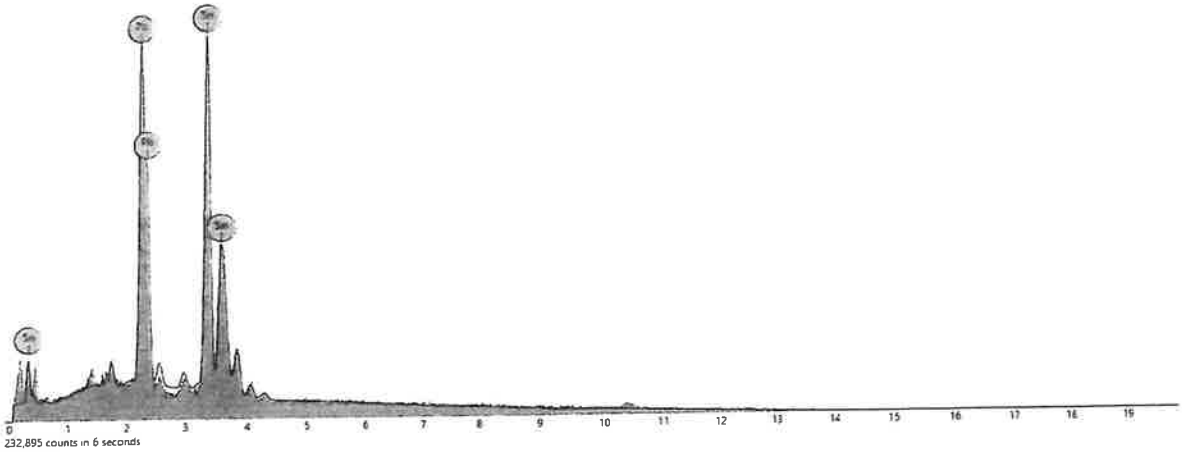
Lead





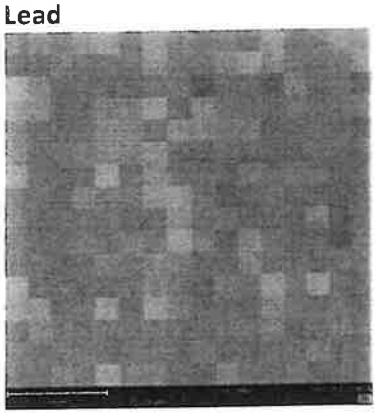
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	59.57	45.77
82	Pb	Lead	40.43	54.23

15



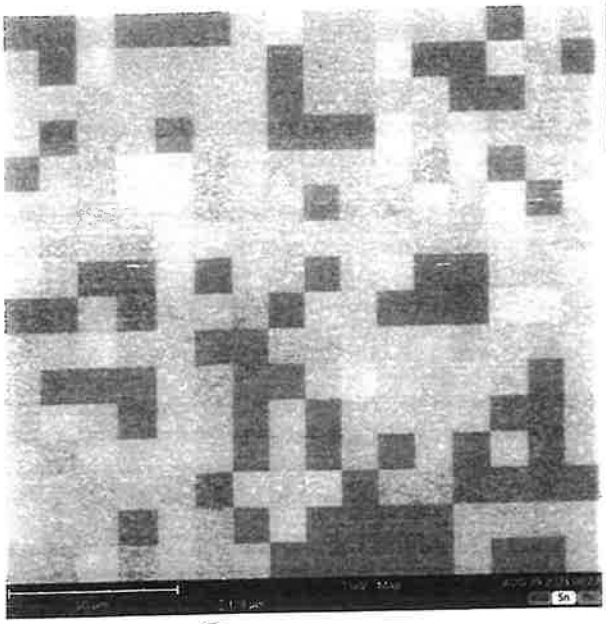
Tin

Lead



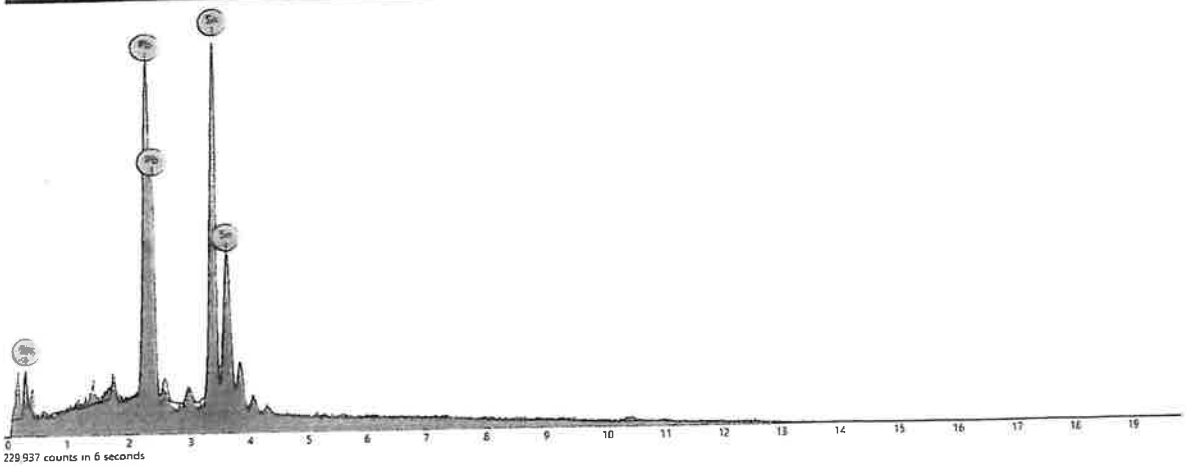
AEM INC.

PHENOM

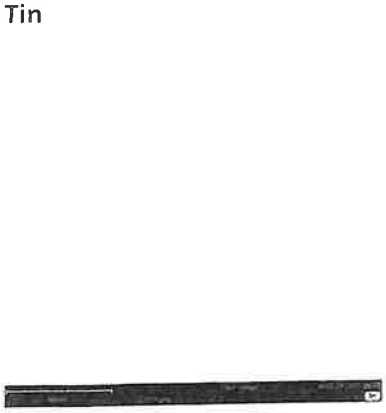


Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	60.42	46.65
82	Pb	Lead	39.58	53.35

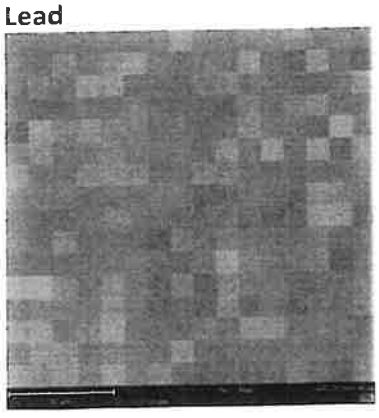
15



Tin



Lead



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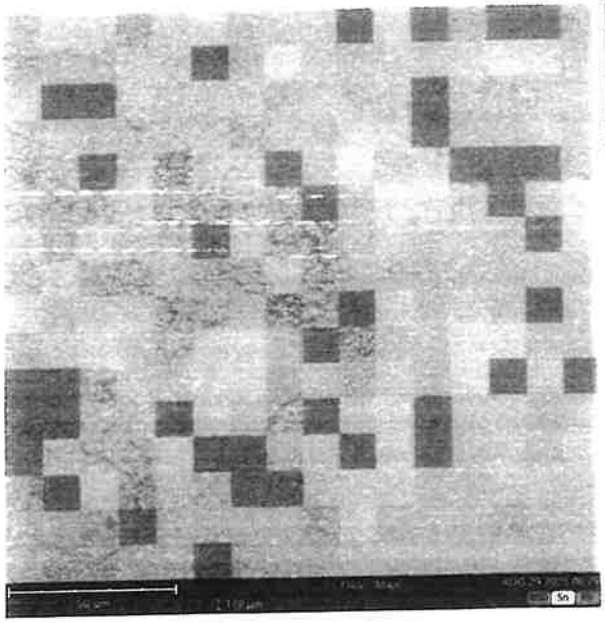
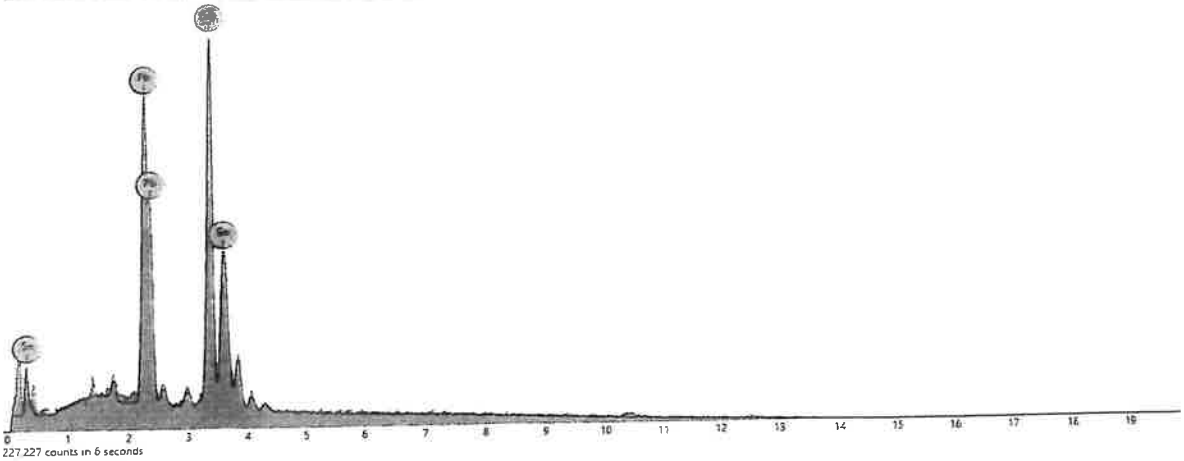
PHENOM



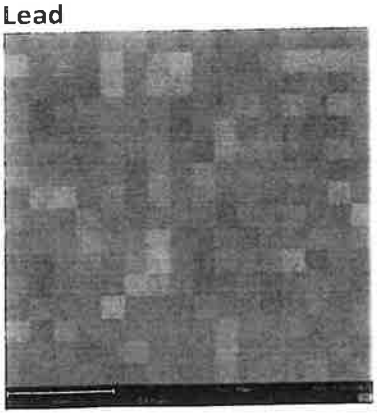
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	62.49	48.83
82	Pb	Lead	37.51	51.17

15



Tin

Lead



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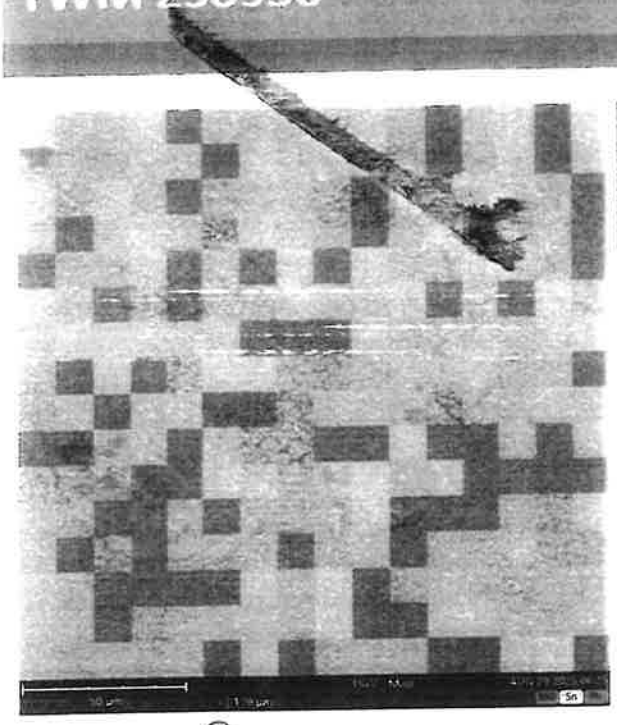
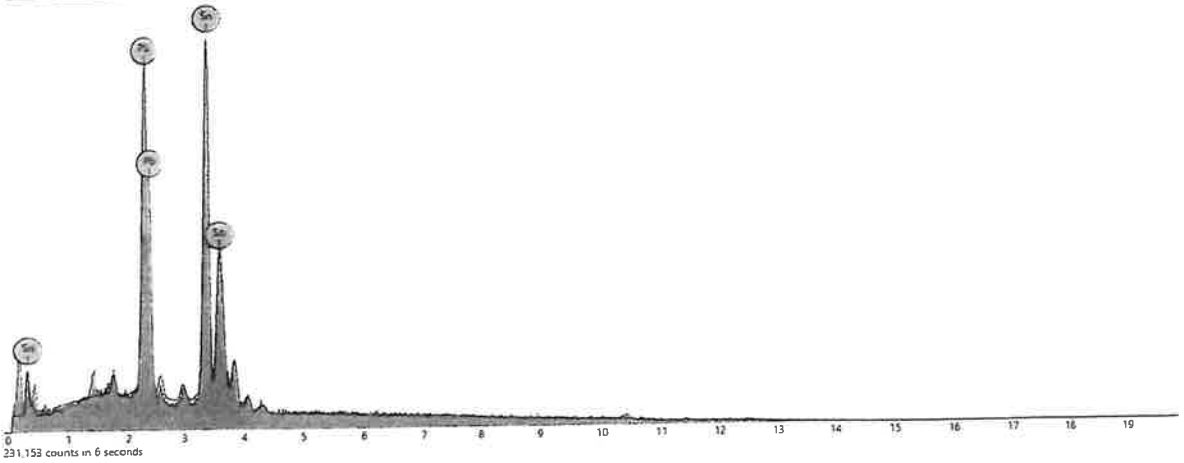
PHENOM



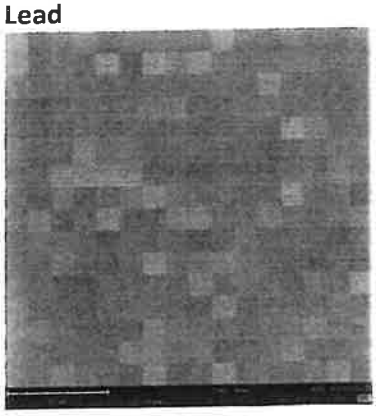
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	60.93	47.19
82	Pb	Lead	39.07	52.81

15



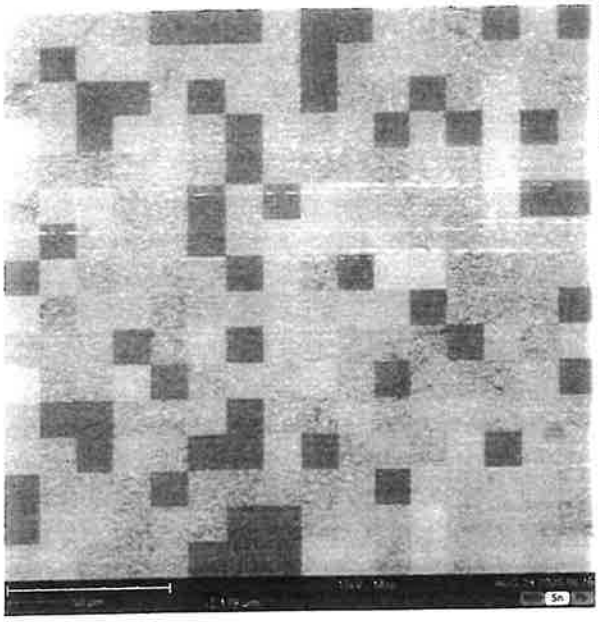
Tin

Lead



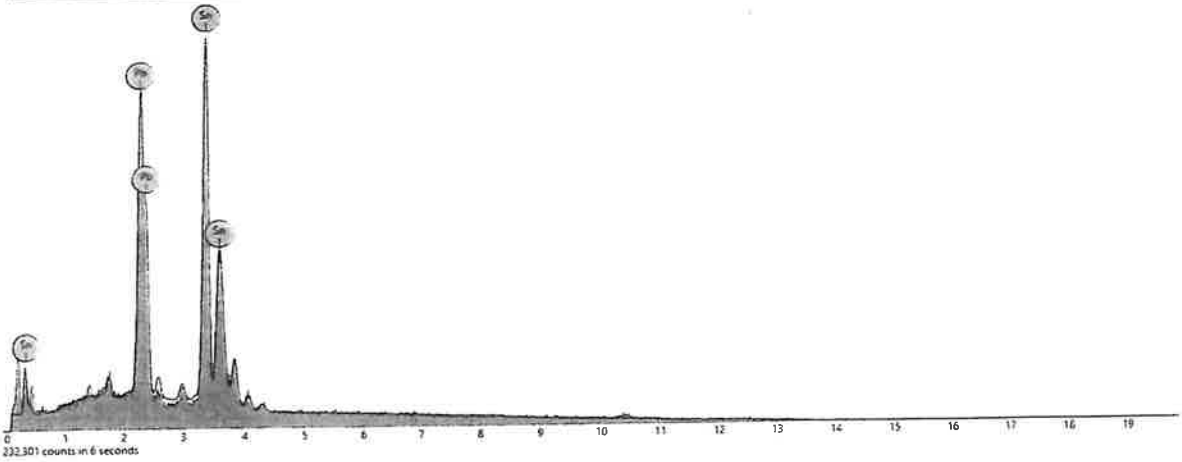
AEM, INC.

PHENOM



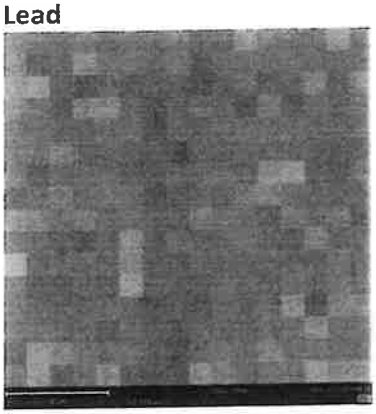
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	62.65	49.00
82	Pb	Lead	37.35	51.00

15



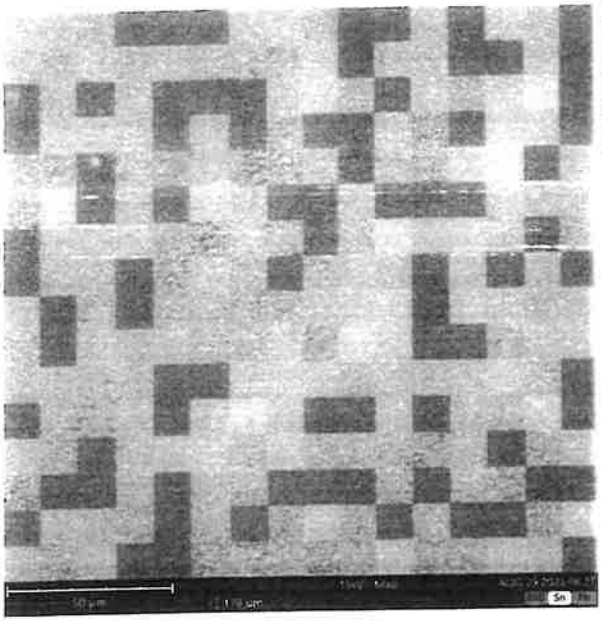
Tin

Lead



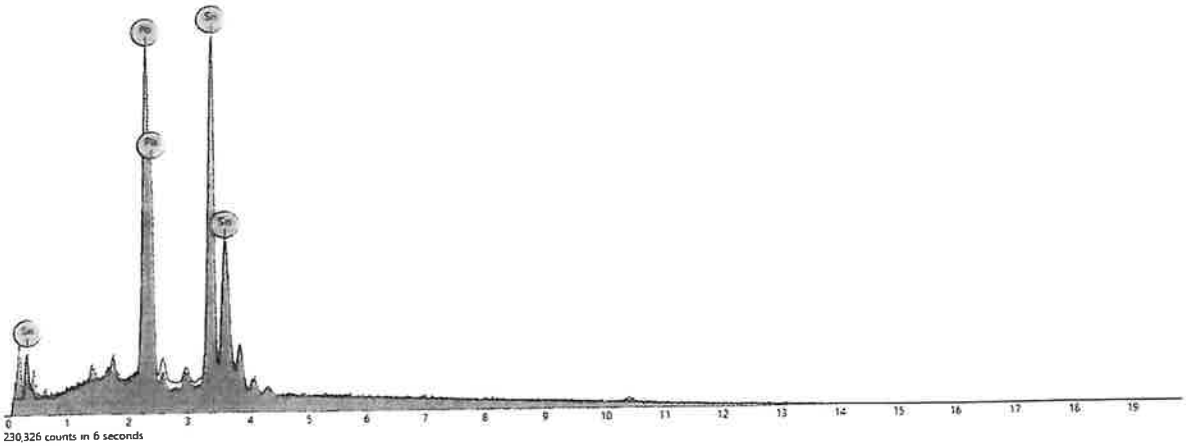
AEM INC.

PHENOM



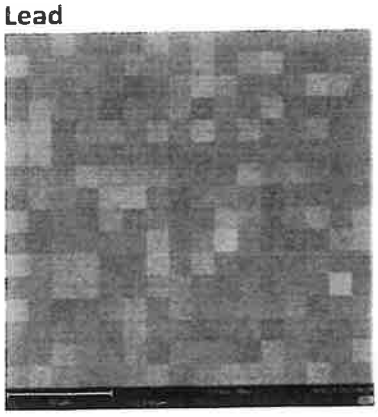
Element Number	Element Symbol	Element Name	Atomic Conc.	Weight Conc.
50	Sn	Tin	59.73	45.94
82	Pb	Lead	40.27	54.06

15



Tin

Lead



AEM INC.

PHENOM

AS9102 Rev C Format First Article Inspection
Form 3: Characteristic Accountability, Verification and Compatibility Evaluation
(TWM Products) RK73H1JTTD1001F-AEM

1. AEM Part Number: RK73H1JTTD1001F-AEM	2. Part Name: Resistor	3. Serial Number TWM Lot#: 250956	4. FAI Report TWM 250956

Characteristic Accountability				Inspection / Test Results			14. [Insert columns, etc. as required by Organization or Customer]									
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number										
1	Datasheet	Length (L)	1.40 – 1.80 (mm)	☑ Accept / ☐ Reject	0582	N/A / 1339	1.66	1.64	1.64	1.66	1.63	1.61	1.64	1.66	1.63	1.64
2	Datasheet	Width (W)	0.70 – 0.90 (mm)	☑ Accept / ☐ Reject	0582		.84	.82	.84	.83	.82	.81	.81	.84	.82	.80
3	Datasheet	Height/Thickness (t)	0.35 – 0.55 (mm)	☑ Accept / ☐ Reject	0582		.44	.44	.43	.42	.44	.42	.43	.44	.43	.42
4	Datasheet	BW or Terminal Width Top (c)	0.20 – 0.40 (mm)	☑ Accept / ☐ Reject	0114		.24	.23	.24	.22	.26	.28	.24	.24	.27	.26
5	Datasheet	BW or Terminal Width Bottom (d)	0.20 – 0.40 (mm)	☑ Accept / ☐ Reject	0114		.29	.23	.23	.25	.22	.29	.29	.25	.24	.23
6	Datasheet	Electrical: DC Resistance	990 - 1010 Ohms	☑ Accept / ☐ Reject	1121		998	996	999	998	1000	998	996	995	1001	998
7		Visual Inspection		☑ Accept / ☐ Reject	0193	↓	P	P	P	P	F	P	P	P	P	P

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

12. Prepared By 1339

13. Date 9-02-2025

E SH-18

6

(17)

MASTER COPY

18

AEM, INC.

TAPE AND REEL VISUAL INSPECTION RECORD

Process Instruction: P90107

Date: 9-23-2025

Lot Number: TWM 250956

AEM Part Number: RK73HJTTD1001F -AEM

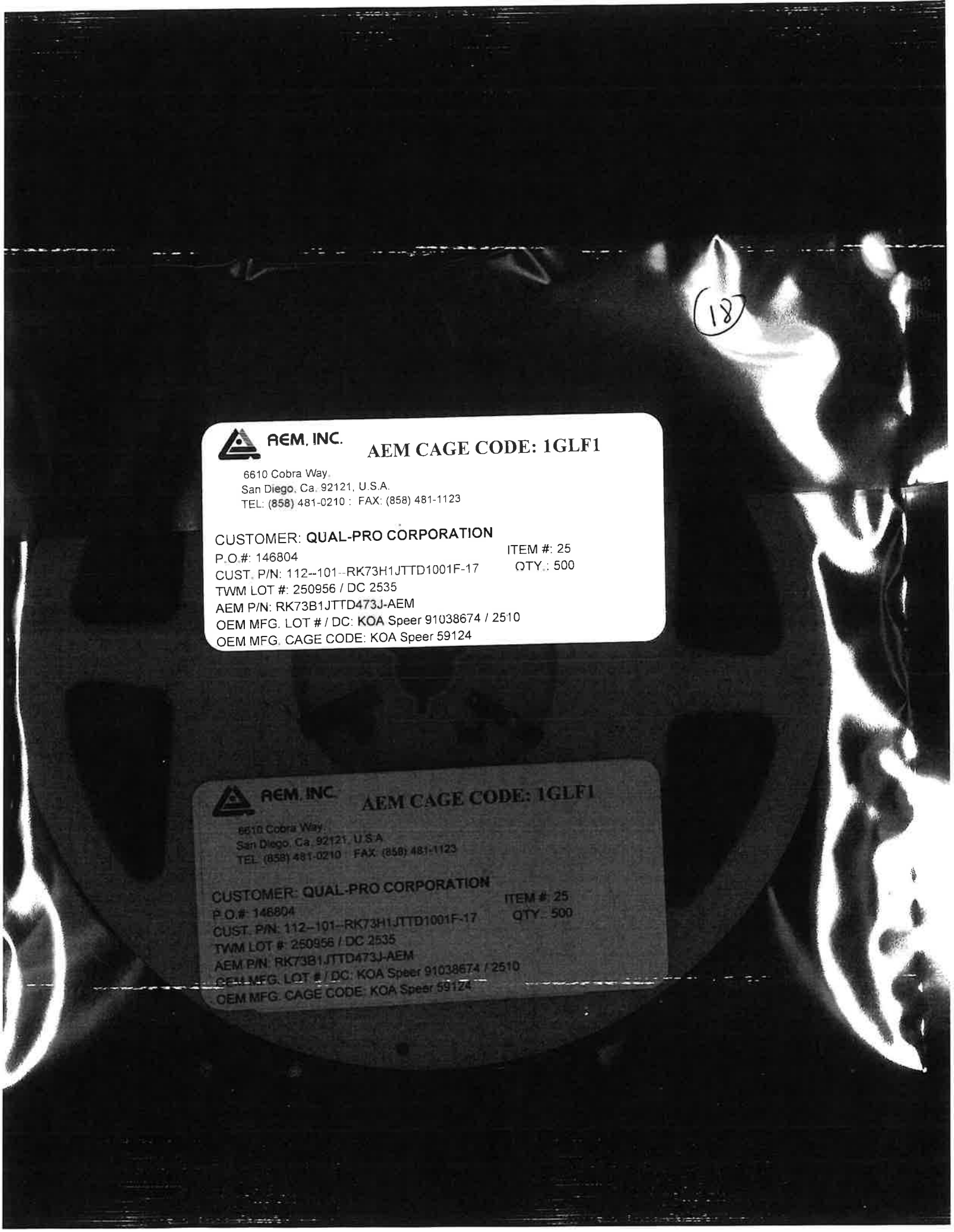
Employee Number: 1143

Leader Length Within Spec	YES ☑	NO ☐
Trailer Length Within Spec	YES ☑	NO ☐
Cover Tape is aligned with Embossed Carrier	YES ☑	NO ☐
No excessive adhesive	YES ☑	NO ☐
No damaged sprocket holes or damaged carrier/cover tape edges	YES ☑	NO ☐
Cavity has sufficient clearance	YES ☑	NO ☐
No more than two pockets in succession without components	YES ☑	NO ☐
REEL: No cracks or damage to the sides or hub/drive hole sections	YES ☐	NO ☐

COMPONENT REJECT CLASSIFICATION (IF APPLICABLE)	QUANTITY REJECTED
Debris	
Other (List)	
Total	

Quantity Inspected	500
Quantity Accepted	500
Quantity Rejected	Ø
Quantity Missing	Ø
Total	500

DISPOSITION	Scrap ☐	Rework ☐	Use As Is ☑
APPROVAL / DATE	QA: 1358		Date: 10/01/25
	Eng: 1176		Date: 09.30.25
	Production: 1143		Date: 9-23-2025
COMMENTS	0603 RESISTOR MARKING: 102		


(18)
AEM, INC.
AEM CAGE CODE: 1GLF1
6610 Cobra Way,
San Diego, Ca. 92121, U.S.A.
TEL: (858) 481-0210 : FAX: (858) 481-1123
CUSTOMER: QUAL-PRO CORPORATION
P.O.#: 146804
ITEM #: 25
CUST. P/N: 112--101--RK73H1JTTD1001F-17
QTY.: 500
TWM LOT #: 250956 / DC 2535
AEM P/N: RK73B1JTTD473J-AEM
OEM MFG. LOT # / DC: KOA Speer 91038674 / 2510
OEM MFG. CAGE CODE: KOA Speer 59124
AEM, INC.
AEM CAGE CODE: 1GLF1
6610 Cobra Way,
San Diego, Ca. 92121, U.S.A.
TEL: (858) 481-0210 FAX: (858) 481-1123
CUSTOMER: QUAL-PRO CORPORATION
P.O.# 146804
ITEM #: 25
CUST. P/N: 112--101--RK73H1JTTD1001F-17
QTY.: 500
TWM LOT #: 250956 / DC 2535
AEM P/N: RK73B1JTTD473J-AEM
OEM MFG. LOT # / DC: KOA Speer 91038674 / 2510
OEM MFG. CAGE CODE: KOA Speer 59124

AEM, INC.
6610 Cobra Way
San Diego, CA 92121

(19)

CERTIFICATE OF CONFORMANCE

This is to certify that the products below were processed per AEM Drawing 387070, Revision B. The products supplied meet all of the requirements of the referenced purchase order, including all purchase order referenced documents. The Sn/Pb converted components meet the following requirements:

1) Minimum Termination Pb content of 5% as measured by EDS and XRF methods.
2) Passed Solderability Test per ANSI/J-STD-002 and MIL-STD-202-208.

CUSTOMER:	Qual-Pro Corporation
CUSTOMER P.O. NO.:	146804
P.O LINE ITEM NO.:	25, 27, & 28
CUSTOMER PART NO.:	112--101--RK73H1JTTD1001F-17
AEM PART NUMBER:	RK73H1JTTD1001F-AEM
OEM MFG. PART NO.:	KOA Speer RK73H1JTTD1001F
OEM MFG. LOT NO.:	KOA Speer 91038674
OEM MFG. DATE CODE:	KOA Speer 2510
OEM MFG. CAGE CODE:	KOA Speer 59124
COUNTRY OF ORIGIN:	Malaysia
AEM TWM LOT NO.:	250956
AEM TWM DATE CODE:	2535
AEM CAGE CODE:	1GLF1
QUANTITY SHIPPED:	500 + FAI Report

QUALITY ASSURANCE MANAGER

10-1-25
DATE

AEM, INC.
6610 Cobra Way
San Diego. CA 92121

MASTER COPY (26)

Note: 100% DCR Record before thermal shock included in data pack

DC Resistance Record

Part Number: RK73H1JTTD100F-AEM
Lot Number: TWM 250956 A
Date of Measurement: 8-28-25
Test Equipment Cal. ID: 0378
Specified DCR: 990 - 1010 Ω ~~Maximum~~ 476
Measured by: 1244
Page 1 of 7

Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω
1	997	26	996	51	997	76	998	101	997	126	1001
2	995	27	999	52	998	77	1001	102	996	127	996
3	998	28	998	53	999	78	1000	103	1000	128	1002
4	996	29	995	54	995	79	995	104	996	129	995
5	1000	30	997	55	997	80	997	105	998	130	996
6	997	31	999	56	996	81	998	106	999	131	995
7	997	32	998	57	999	82	1000	107	996	132	1000
8	999	33	1002	58	997	83	999	108	998	133	996
9	998	34	996	59	998	84	998	109	996	134	999
10	999	35	999	60	997	85	999	110	998	135	996
11	997	36	995	61	999	86	997	111	995	136	997
12	1002	37	997	62	994	87	1002	112	998	137	996
13	998	38	998	63	998	88	995	113	997	138	1002
14	1000	39	996	64	999	89	997	114	995	139	994
15	998	40	997	65	997	90	999	115	999	140	996
16	997	41	1000	66	999	91	996	116	998	141	998
17	998	42	997	67	998	92	997	117	1002	142	999
18	997	43	1000	68	999	93	996	118	998	143	994
19	999	44	997	69	1001	94	996	119	999	144	997
20	998	45	999	70	997	95	999	120	1000	145	996
21	996	46	996	71	999	96	997	121	998	146	997
22	999	47	998	72	997	97	996	122	996	147	995
23	998	48	997	73	999	98	997	123	1001	148	998
24	997	49	997	74	1000	99	996	124	998	149	999
25	998	50	996	75	1000	100	996	125	998	150	998

AEM, INC.
6610 Cobra Way
San Diego, CA 92121

Rev. A ECN 2182
01/16

(26) NOTE: 100% DCR Record (Flight parts) included in data pack.

DC Resistance Record

Part Number RK73H1JTTD1001F-AEM
Lot Number TWM 250950
Date of Measurement 09. 11. 25
Test Equipment Cal. ID 0967
Specified DCR 990 - 1010 Ω ~~Maximum~~ nominal
Measured by 1279
Page 1 of 3

Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω	Unit #	DCR, Ω
1	999	26	1000	51	999	76	999	101	997	126	996
2	997	27	995	52	995	77	996	102	996	127	1001
3	1001	28	995	53	997	78	997	103	996	128	1000
4	996	29	998	54	1000	79	996	104	999	129	997
5	999	30	995	55	1000	80	998	105	994	130	998
6	995	31	997	56	994	81	1000	106	996	131	1000
7	996	32	995	57	1000	82	995	107	997	132	996
8	1000	33	997	58	1000	83	998	108	997	133	998
9	996	34	997	59	999	84	996	109	999	134	996
10	997	35	996	60	994	85	996	110	998	135	995
11	999	36	998	61	996	86	997	111	996	136	996
12	995	37	995	62	996	87	1003	112	999	137	995
13	999	38	995	63	997	88	998	113	997	138	999
14	996	39	999	64	998	89	995	114	995	139	1001
15	1001	40	1000	65	995	90	998	115	997	140	997
16	996	41	995	66	999	91	996	116	995	141	998
17	999	42	997	67	998	92	998	117	996	142	997
18	995	43	999	68	999	93	998	118	1000	143	999
19	998	44	996	69	1000	94	996	119	999	144	998
20	997	45	1001	70	996	95	1002	120	998	145	1000
21	996	46	998	71	997	96	998	121	1000	146	996
22	999	47	996	72	998	97	996	122	997	147	1000
23	997	48	999	73	998	98	999	123	996	148	999
24	995	49	997	74	995	99	998	124	998	149	998
25	999	50	995	75	998	100	996	125	1000	150	999