



Material Composition Declaration

© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.

This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x	Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat
-------------------	--	----------------------------------	---

Supplier Information

Company Name * ALLIANCE MEMORY INC.	Company Unique ID	Unique ID Authority	Response Date * 2013-11-17	Response Document ID				
Contact Name * RICHARD D.WARD	Title - Contact DIRECTOR QUALITY AND LO	Phone - Contact * 269-845-0836	Email - Contact * dick@alliancememory.com	Duplicate Contact -> Authorized Representative				
Authorized Representative * RICHARD D.WARD	Title - Representative	Phone - Representative * 269-845-0836	Email - Representative * dick@alliancememory.com	Supplier Comments or URL for Additional Information				
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
AS7C1024C-12TJIN	AS7C1024C-xxTJIN			C	OSET	1,106	mg	Each
Alternate Recommendation				Alternate Item Comments				

Manufacturing Process Information

Terminal Plating / Grid Array Material Matte Tin (Sn) - annealed	Terminal Base Alloy CU Alloy	J-STD-020 MSL Rating 3	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 30 seconds	Number of Reflow Cycles 3
Comments					

Save the fields in this form to a file Import fields from a file into this form Clear all of the fields on this form Lock the fields on this form to prevent changes

RoHS Material Composition Declaration **Declaration Type ***

RoHS Directive 2002/95/EC **RoHS Definition:** Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium


Supplier certifies that it gathered the information it provides in this form concerning RoHS restrictive substances using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.

RoHS Declaration * **Supplier Acceptance ***

Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.

Declaration Signature

Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature  Digitally signed by Ram
DN: cn=Ram, o=Alliance Memory Inc, ou=Product and Supplier Quality,
Date: 2013.08.25 22:58:53 +0800

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Line Functions: +I Inserts a New Item /SubItem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

+I	-I	Item/SubItem Name	+M	-M	Homogeneous Material	Weight	Unit of Measure	+C	-C	Level	Substance Category	+S	-S	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
																			-	+	
		AS7C1024			Mold Compound	757.17	mg			Supplier	Filler			Fused Silica	60676-86-0		643.59	mg	0.02	0.02	581,91
					Supplier	Binder				Epoxy Resin 1	Trade Secre			24.61	mg				22,250		
					Supplier	Binder				Epoxy Resin 2	Trade Secre			24.61	mg				22,250		
					Supplier	Binder				Phenol Resin	Trade Sec			37.86	mg				34,230		
					Supplier	Binder				Others	Trade Secre			22.72	mg				20,538		
					Supplier	Coloring				Carbon Black	1333-86-4			3.79	mg				3,423		
		Die attach Adhes				3.76	mg			Supplier	Filler			Silver	7440-22-4		2.75	mg			2,482
		Supplier			Binder					Additive	Trade Secre			0.32	mg				289		
		Supplier			Binder					Peroxide	Trade Secre			0.21	mg				187		
		Supplier			Binder					Acrylate	Trade Secre			0.08	mg				68		
		Supplier			Binder					Epoxy Resin	Trade Secre			0.09	mg				85		
		Supplier			Binder					Butadiene copolymer	Trade Secre			0.21	mg				187		
		Supplier			Binder					polybutadiene Derivativ	Trade Secre			0.04	mg				34		
		Supplier			Binder					Acrylic Resin	Trade Secre			0.08	mg				68		
		Lead Frame				298.62	mg			Supplier	Copper Alloy			Copper	7440-50-8		290.58	mg			262,73
		Supplier			Copper Alloy					Iron	7439-8-96			6.26	mg				5,662		
		Supplier			Copper Alloy					Phosphorus	7723-14-0			0.04	mg				41		
		Supplier			Copper Alloy					Zinc	7440-66-6			0.15	mg				135		
		A			Lead/Lead Compound					Lead	7439-92-1			0.09	mg				81		
		Supplier			Silver Plating					Silver	7440-22-4			1.49	mg				1,350		
		Lead Finish				9.4	mg			Supplier	Solder Plating			Tin	7440-31-5		9.4	mg			8,500
		Bond Wire				1.11	mg			Supplier	Wire			Gold	7440-57-5		1.11	mg			1,000
		Silicon				35.95	mg			Supplier	Silicon Chip			Si	7440-21-3		35.95	mg			32,500