



Material Composition Declaration

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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
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Supplier Information

Company Name * IDT Inc.	Company Unique ID	Unique ID Authority	Response Date * 2010-07-26	Response Document ID ALG900				
Contact Name * CS Phek	Title - Contact Engineer	Phone - Contact * 604-613-2538	Email - Contact * csphek@idt.com	<input type="button" value="Duplicate Contact -> Authorized Representative"/>				
Authorized Representative * CS Phek	Title - Representative Engineer	Phone - Representative * 604-613-2538	Email - Representative * csphek@idt.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
		ALG900	2010-07-26	0	ATT	8,700	mg	Each
Alternate Recommendation				Alternate Item Comments				

Manufacturing Process Information

Terminal Plating / Grid Array Material Tin/Silver/Copper (Sn/Ag/Cu)	Terminal Base Alloy Not Applicable	J-STD-020 MSL Rating 4	Peak Process Body Temperature 245 C	Max Time at Peak Temperature 30 seconds	Number of Reflow Cycles 3
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Comments

Save the fields in this form to a file

Export Data

Import fields from a file into this form

Import Data

Clear all of the fields on this form

Reset Form

Lock the fields on this form to prevent changes

Lock Supplier Fields

RoHS Material Composition Declaration

Declaration Type *

Simplified

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 * 1 - Item(s) does not contain RoHS restricted substances per the definition above

Supplier Acceptance * Accepted

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

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
																			-	+	
		ALG900			Encapsulant	64.99	mg			Supplier	Binder			p-(2,3-epoxypropoxy)-N	5026-74-4		6.5	mg	0.02	0.02	747
										Supplier	Binder			Bisphenol F Type liquid	9003-36-5		6.5	mg			747
										Supplier	Binder			Bisphenol A Type liquid	25068-38-6		3.25	mg			374
										Supplier	Binder			Amine type Hardener	Trade Secre		4.87	mg			560
										Supplier	Coloring			Carbon Black	1333-86-4		0.32	mg			37
										Supplier	Filler			Silicon Dioxide	60676-86-0		40.29	mg			4,631
										Supplier	Binder			Additives	Trade Secre		3.25	mg			374
					Heat Spreader	4,499.64	mg			Supplier	Metal			Copper	7440-50-8		4,409.65	mg			506,85
										Supplier				Nickel (Use Internal On	7440-22-4		89.99	mg			10,344
					Heat Spreader A	53.07	mg			Supplier	Filler			Dimethyl Siloxane	68083-19-2		23.88	mg			2,745
										Supplier	Binder			Quartz	14808-60-7		23.88	mg			2,745
										Supplier	Additive			Dimethylvinylated Silica	68988-89-6		5.31	mg			610
					Thermal Grease	60.03	mg			Supplier	Filler			Zinc	1314-13-2		21.01	mg			2,415
										Supplier	Binder			Al	Trade Secre		27.01	mg			3,105
										Supplier	Binder			Siloxane	Trade Secre		12.01	mg			1,380
					Substrate	2,911.99	mg			Supplier	Conductive			Copper	7440-50-8		789.92	mg			90,795
										Supplier	Non Conductive			Solder Mask	Trade Secre		160.59	mg			18,458
										Supplier	Non Conductive			Core Material	Trade Secre		1,292.95	mg			148,61
										Supplier	Non Conductive			Polymeric Resin	Trade Secre		0.14	mg			16
										Supplier	Non Conductive			Build Up	Trade Secre		663.16	mg			76,225
										Supplier	Metal			Tin	7440-31-5		5.24	mg			602
					Solder Bump	20.01	mg			Supplier	Metal			Tin	7440-31-5		19.55	mg			2,247
										Supplier	Metal			Silver	7440-22-4		0.46	mg			53

+M	-M	Solder Ball	751.84	mg	+C	-C	Supplier	Metal	+S	-S	Tin	7440-31-5		725.52	mg			83,393
					+C	-C	Supplier	Metal	+S	-S	Silver	7440-22-4		22.56	mg			2,593
					+C	-C	Supplier	Metal	+S	-S	Copper	7440-50-8		3.76	mg			432
+M	-M	Silicon Chip	338.43	mg	+C	-C	Supplier	Silicon	+S	-S	Silicon	7440-21-3		338.43	mg			38,900