



# 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 <a href="http://www.ipc.org/IPC-175x">http://www.ipc.org/IPC-175x</a>	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 * 2007-12-21	Response Document ID BL1156				
Contact Name * CS Phek	Title - Contact Engineer	Phone - Contact * 604-613-2538	Email - Contact * csphek@idt.com	<input type="button" value="Duplicate Contact -&gt; 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
		BL1156	2007-12-21	0	SPIL	12,100	mg	Each
Alternate Recommendation				Alternate Item Comments				

## Manufacturing Process Information

Terminal Plating / Grid Array Material <b>Tin/Lead (Sn63Pb37)</b>	Terminal Base Alloy <b>Not Applicable</b>	J-STD-020 MSL Rating <b>4</b>	Peak Process Body Temperature <b>225 C</b>	Max Time at Peak Temperature <b>30 seconds</b>	Number of Reflow Cycles <b>3</b>
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Comments

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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 \*

2 - Item(s) contains RoHS restricted substances above the limits per the definition and is not under exemption

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

	Item/SubItem Name		Homogeneous Material	Weight	Unit of Measure		Level	Substance Category		Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM													
															-	+														
+I	-I		BL1156			+M	-M	Encapsulant	65.2916	mg	+C	-C	Supplier	Filer	+S	-S	Silicon Dioxide	60676-86-0		38.8485	mg	0.02	0.02	3,211						
																	+C	-C	Supplier	Binder	+S	-S	Phenolic Resin	9003-35-4		9.7937	mg			809
																	+C	-C	Supplier	Binder	+S	-S	Bisphenol A type Liquid	25068-38-6		1.6323	mg			135
																	+C	-C	Supplier	Binder	+S	-S	Bisphenol F type liquid	9003-36-5		13.0583	mg			1,079
																	+C	-C	Supplier	Binder	+S	-S	Carbon Black	1333-86-4		0.3265	mg			27
																	+C	-C	Supplier	Binder	+S	-S	Additives	2530-83-8		1.6323	mg			135
		+M	-M	Heat Spreader	5,527.28	mg				+C	-C	Supplier	Metal	Copper	+S	-S	7440-50-8		5,416.734	mg							447,66			
																	+C	-C	Supplier	Plating	+S	-S	Nickel (Use Internal On	7440-02-00		110.5456	mg			9,136
		+M	-M	Heat Spreader A	114.95	mg				+C	-C	Supplier	Adhesive	Filler	+S	-S	Trade Secre		38.2094	mg							3,158			
																	+C	-C	Supplier	Thermal Grease	+S	-S	Polymeric Resin	Trade Secre		15.1274	mg			1,250
																	+C	-C	Supplier	Thermal Grease	+S	-S	Silane Compound	Trade Secre		1.6438	mg			136
																	+C	-C	Supplier	Thermal Grease	+S	-S	Organopoly siloxane m	Trade Secre		59.9694	mg			4,956
		+M	-M	Substrate	5,088.05	mg				+C	-C	Supplier	Conductive	Copper	+S	-S	7440-50-8		1,628.176	mg							134,56			
																	+C	-C	Supplier	Non Conductive	+S	-S	Polymeric Resin	Trade Secre		3,459.874	mg			285,94
		+M	-M	Solder Bump	0.00484	mg				+C	-C	Supplier	Metal	Tin	+S	-S	7440-31-5		0.0024	mg							0			
																	+C	-C	A	Lead/Lead Compound	+S	-S	Lead	7439-92-1		0.046	mg			4
		+M	-M	Solder Ball	965.58	mg				+C	-C	Supplier	Metal	Tin	+S	-S	7440-31-5		608.3154	mg								50,274		
																	+C	-C	A	Lead/Lead Compound	+S	-S	Lead	7439-92-1		357.2646	mg			29,526
		+M	-M	Silicon Chip	338.8	mg				+C	-C	Supplier	Silicon	Silicon	+S	-S	7440-21-3		338.8	mg								28,000		