



# 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 * Mindspeed Technologies Inc.	Company Unique ID	Unique ID Authority	Response Date * 2011-06-09	Response Document ID				
Contact Name * Cynthia Ong	Title - Contact Program Manager, RoHS and	Phone - Contact * 949-579-5515	Email - Contact * cynthia.ong@mindspeed.com					
Authorized Representative * Lei Zhou	Title - Representative Quality Engineer	Phone - Representative * 9495793316	Email - Representative * lei.zhou@mindspeed.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
M08036G-11	M08036G-11	4MLF 16		A	Unisem/Malaysia	39.533	mg	Each
Alternate Recommendation		Not Applicable		Alternate Item Comments	N/A			

## Manufacturing Process Information

Terminal Plating / Grid Array Material Pure Matte Tin	Terminal Base Alloy Cu	J-STD-020 MSL Rating 2	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 30 seconds	Number of Reflow Cycles 3
Comments N/A					

Save the fields in this form to a file

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## 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

Item/SubItem Name	Homogeneous Material	Weight	Unit of Measure	Level	Substance Category	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
											-	+	
M08036G-11	Silicon Die	3.0259	mg	C	GROUP-C	Silicon	7440-21-3		3.0259	mg			999,99
	Leadframe	18.7293	mg	C	GROUP-C	Zn	7440-66-6		0.0224	mg			1,195.9
				C	GROUP-C	Fe	7439-89-6		0.4382	mg			23,396
				C	GROUP-C	Phosphorus	7440-66-6		0.0056	mg			298.99
				C	GROUP-C	Copper	7440-50-8		18.1812	mg			970,73
				C	GROUP-C	Silver	7440-22-4		0.0819	mg			4,372.8
	Wire Bond	0.2135	mg	C	GROUP-C	Gold	7440-57-5		0.2135	mg			999,99
	Mold Compound	16.8476	mg	C	GROUP-C	Silica fused	60676-86-0		15.4492	mg			916,99
				C	GROUP-C	Epoxy Resin	Proprietary		0.6739	mg			39,999
				C	GROUP-C	Carbon Black	1333-86-4		0.0505	mg			2,997.4
				C	GROUP-C	Phenol Resin	Proprietary		0.6739	mg			39,999
	Die Attach Epoxy	0.4719	mg	C	GROUP-C	Acrylate Resin	Proprietary		0.0944	mg			200,04
				C	GROUP-C	Silver	7440-22-4		0.3492	mg			739,98
				C	GROUP-C	Polyimide Resin	Proprietary		0.0142	mg			30,091
			C	GROUP-C	Treated Silica	Proprietary		0.0142	mg			30,091	
Lead Finish	0.2448	mg	C	GROUP-C	Sn	7440-31-5		0.2448	mg			999,99	