ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoo nternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level	parts, the	declaration	n encomp		er level mate	erials for	which th	item is an assembly e manufacturer has eclaration.
1752-2 1.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x					ard		Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneou			neous I	/laterials	and Mfg Informat		
Supplier Information														
Company Name *		Company Unique ID		Unique ID Au	uthority	Resp	onse Date	e *	R	esponse Doc	ument ID			
Mindspeed Techologies	Inc	N/A					2013-02-28							
Contact Name * Title - Contact				Phone - Contact *		Email - Contact *								
Cynthia Ong Program Manager				949-579-5515		cynth	cynthia.ong@mindspeed.com							
Authorized Representative * Title - Representative				Phone - Representative *		Email - Representative *			* S	Supplier Comments or URL for Additional Information				
Amy Teng		Quality Engineer		604-6328114	1	amy.t	eng@mir	ndspeed.	com					
Requester Item Numbe	r	Mfr Item Number		Mfr Item Name		Effecti	ve Date	Version	Manufact	uring Site	Weight *	UC	OM	Unit Type
M21156-23		M21156-23		35FCBGA 1156		2012-	10-25	В	ASE, Taiwan		16,208.45	i mg	7	EACH
Alternate Recommend	Alternate Recommendation				NA			Alternate Item Com						
Manufacturing Proces	ss In	formation												
Terminal Plating / Grid Array	Mater	ial	Terminal B	ase Alloy	J-STD-020 MSL R	ating	Peak Prod	ess Body	Temperat	ure Max Time	at Peak Tem	perature	Number	of Reflow Cycles
Eutectic 63/37	4		220		220 C	40 secon				•				
Comments							·	·	·	·	·		·	
N/A														

ave the fields in Export Data Import fields from a file Export Data Import Data Import Data		Locked
oHS Material Composition Declaration	claration Type *	Simplified
RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chro Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium		
Explier 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 of 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 applier 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 no splier 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 part ten 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 expedies for issues that arise regarding information the Supplier provides in this form.	ent the RoHS Directiv not independently ver aragraph. If the Comp	ve. Company acknowledges that erified information provided by others, pany and the Supplier enter into a
RoHS Declaration * 3 - Item(s) does not contain RoHS restricted substances per the definition above except for lead in solders and selected exemptions, if any	Acceptance * A	ccepted
emptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the cove and choose all applicable exemptions.	corresponding res	sponse in the RoHS Declaration
xemption List Version EL-2006/690/EC		
7b. Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for tele	lecommunications.	
15. Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.		
eclaration 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

Subltem 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	Homogeneous		Unit of		Substance Colores			040			Unit of	Tolerance		
Name	Material	Weight	Unit of Measure	Level	Substance Category		Substance	CAS	Exempt	Weight	Measure	•	+	PPN
M21156-23	ТІМ	151.31	mg	С	GROUP-C		Others	Trade Secret		15.13	mg			99,9
	·			С	GROUP-C		Alumina	01344-28-1		136.18	mg			900,
	Die	692.56	mg	С	GROUP-C		Silicon	7440-21-3		692.56	mg			999,
	Heatslug	11,426	mg	С	GROUP-C		Chrome	Trade Secret		5.71	mg			499.
		•		В	Nickel/Nickel Compou		Nickel	7440-02-0		68.56	mg			4,22
				С	GROUP-C		Copper	7440-50-8		11,351.7	3mg			993,
	Substrate	2,864.01	mg	С	GROUP-C		Copper	7440-50-8		1,199.02	mg			418,
				С	GROUP-C		Coal tar naphtha	64742-94-5		2.74	mg			956.
							N, N-dimethylformamide	68-12-2		2.74	mg			169.
				С	GROUP-C		Epoxy Resin	26265-08-7		482.96	mg			168,
				С	GROUP-C		Bisphenol A epoxy resir	25068-38-6		53.15	mg			18,5
				С	GROUP-C		Fillers	14808-60-7		160.99	mg			56,2
				С	GROUP-C		E-Glass Fabric	65997-17-3		643.95	mg			224,
				С	GROUP-C		Sn	7440-31-5		3.22	mg			1,12
				С	GROUP-C		organic material	Trade Secret		3.75	mg			1,30
				С	GROUP-C		Initiator (Organic Compo	Trade Secre		2.03	mg			708.
				С	GROUP-C		Resin	Trade Secret	t	21.66	mg			7,56
				С	GROUP-C		Filler	2530-83-8, 77	7	19.63	mg			6,85
				С	GROUP-C		Others (Organic Compo	Trade Secret	t	5.42	mg			1,89
				A	Lead/Lead Compound		Pb	7439-92-1		1.89	mg			659.
							Cyclohexane	108-94-1		13.71	mg			845.
				С	GROUP-C		Others	Trade Secret		219.44	mg			76,6
				С	GROUP-C		other epoxy resin	Trade Secret		5	mg			1,74

			С	GROUP-C	Solvent	112-15-2, 647	17.6	mg	6,145.2
			С	GROUP-C	Pigment (Organic Comp	Trade Secret	0.68	mg	237.42
			С	GROUP-C	methyl octanoate	67762-90-7	3.75	mg	1,309.3
			С	GROUP-C	Additive (Organic Comp	Trade Secret	0.68	mg	237.42
Bump	0.51	mg	С	GROUP-C	Sn	7440-31-5	0.32	mg	627,45
	•		A	Lead/Lead Compound	Pb	7439-92-1	0.19	mg	372,54
Solder Ball	1,017.2	mg	С	GROUP-C	Sn	7440-31-5	640.84	mg	630,00
	•		A	Lead/Lead Compound	Pb	7439-92-1	376.36	mg	369,99
Underfill	56.86	mg	С	GROUP-C	Additives	Trade Secret	2.843	mg	49,999
	•		С	GROUP-C	Carbon black	1333-86-4	0.5686	mg	9,999.9
			С	GROUP-C	Phenolic resin	9003-35-4	11.372	mg	199,99
			С	GROUP-C	Amine type accelerator	Trade Secret	2.843	mg	49,999
			С	GROUP-C	Bisphenol F type liquid	9003-36-5	11.372	mg	199,99
			С	GROUP-C	Silicon dioxide	60676-86-0	26.1556	mg	459,99
			С	GROUP-C	Bisphenol A type liquid	25068-38-6	1.7058	mg	29,999