	© Co	terial Compo pyright 2005. IPC, Bannoc ternational and Pan-Ameri	kburn, Illinois	. All rights reserve	tion with lower	level p	arts, the	declaratior	n encompass	ses all lowe		rials for	which th	eitem is an assemble manufacturer ha		
1752-2 1.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x							n Type * ribute	1-	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa							
Supplier Information																
Company Name * Company Unique ID				Unique ID Authority			nse Date	*	Resp	ment ID						
SEMTECH CORPORATION	00-847-9941		DUNS	2013-0	08-06											
Contact Name *		Title - Contact		Phone - Con	Email - Contact *				Dombooto	011	A tl	-: I D -				
ROYA READER		Quality Customer Se	rvice Spec	(805) 389-27	rreader@semtech.com				Duplicate	Contact -	> Autno	rizea Re	presentative			
Authorized Representati	ve *	Title - Representative	9	Phone - Rep	Email - Representative *			* Supp	lier Comm	ents or URL	for Add	ditional Ir	formation			
ROYA READER		Quality Customer Se	rvice Spec	(805) 389-27	42	rreade	er@semte	ch.com								
Requester Item Number		Mfr Item Number		Mfr Item Name	Effective Date		Version	Manufacturir	ng Site	Weight *	UC	M	Unit Type			
		SRV05-4ATCT		Low Capacita				China	16.211		mg	g	Each			
Alternate Recommenda	ate Recommendation				Alternate It			Item Comme	em Comments							
Manufacturing Proces	s In	formation														
Terminal Plating / Grid Array Material Termina			Terminal B	ase Alloy	J-STD-020 MSL Ra	iting	Peak Process Body Tempe		Temperature	erature Max Time at Peak Ter		perature Number of Reflox		of Reflow Cycles		
Matte Tin (Sn)			CU Alloy		1			260			30 se	conds	3			
Comments					1					1						

Save the fields in Import fields from a Clear all of the Lock the fields on this **Export Data** Import Data Reset Form Lock Supplier Fields this form to a file file into this form fields on this form form to prevent changes **RoHS Material Composition Declaration Declaration Type *** Detailed Rohs Directive Rohs Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenvls (PBB). Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium 2002/95/EC Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance in excess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form 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. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply. 1 - Item(s) does not contain RoHS restricted substances per the definition above Supplier Acceptance * Accepted **RoHS Declaration *** 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

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 Name				Homogeneous	Weight	Unit of			Level	Substance Category			Substance	CAS	Evennt	Weight	Unit of	Tolerance		PPM
			ا	Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+	PPIVI
+1 -1	DIE	+M -	M	Silicon Die	0.3468	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.3468	mg			21,394
+1 -1	LEAD FRAME	+M -	M	EFTEC-64T	6.87053	3mg	+	-C	Supplier		+S	-S	Cu	7440-50-8		6.8197	mg			420,68
	_										+S	-s	Cr (not Cr6+)	7440-47-3		0.0186	mg			1,144
											+S	-s	Sn	7440-31-5		0.0172	mg			1,060
											+S	-s	Zn	7440-66-6		0.0151	mg			932
		+M -	M	Die Attach Pad P	0.1331	mg	+C	-C	Supplier		+S	-S	Ag	7440-22-4		0.1331	mg			8,208
+1 -1	Bonding Wire	+M -	M	Cu	0.0327	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		0.0327	mg			2,015
+1 -1	Encapsulation	+M -	M	CEL-1702HF9	7.9098	mg	+C	-C	Supplier		+S	-S	SiO2	60676-86-0		6.9053	mg			425,96
		_									+S	-s	Epoxy Resin	29690-82-2		0.3955	mg			24,397
											+S	-s	Phenol Resin	26834-02-6		0.3955	mg			24,397
											+S	-s	Aromatic Poly-Phospha	Proprietary		0.1977	mg			12,198
											+S	-s	Carbon Black	1333-86-4		0.0158	mg			976
+1 -1	Die Attached Epox	+M -	M	84-1LMISR4	0.13957	2mg	+C	-C	Supplier		+S	-S	Silver (Ag)	7440-22-4		0.1047	mg			6,457
											+S	-s	Epoxy Resin	Proprietary		0.0279	mg			1,722
											+S	-s	Curing Agent & Harden	Proprietary		0.007	mg			430
+1 -1	Tin Solder	+M -	М	Tin	0.7784	mg	+C	-C	Supplier		+S	-S	Tin (Sn)	7440-31-5		0.7784	mg			48,016