ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	All rights reserve	ition with lower	level	oarts, the	declaratio	n encon		ver level mate	erials for which	the item is an assembly the manufacturer has seclaration.				
1752-2 1.1		IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x					-			claration Class * iss 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa							
Supplier Information																	
Company Name *		Company Unique ID		Unique ID A	Response Date *			I	Response Document ID								
SEMTECH CORPORAT	ON	00-847-9941		DUNS			2017-01-24										
Contact Name *		Title - Contact		Phone - Co	Email - Contact *				D !! 4	- 0	۸ داد ماند ما	Danasastatisas					
Roya Motamedi		Supervisor, QA Prod	luct Suppor	805-498-211	rmotamedi@semtech.com			om	Duplicate	e Contact -	-> Autnorizea	Representative					
Authorized Representa	tive *	Title - Representative	е	Phone - Rep	Email - Representative *			*	Supplier Comments or URL for Additional Information								
Roya Motamedi		Supervisor, QA Prod	luct Suppo	805-498-211	rmotamedi@semtech.com			om									
Requester Item Number		Mfr Item Number		Mfr Item Nam	Effecti	ve Date	Version Man		cturing Site	Weight *	UOM	Unit Type					
		SC1458AWLTRT		Dual Output	1			Malaysia		22.08	mg	Each					
Alternate Recommendation						Alterna		Alternate	Item Co	em Comments							
Manufacturing Proce	ss In	formation															
Terminal Plating / Grid Array Material Terminal Ba				ase Alloy J-STD-020 MSL Ra			Peak Proc	ess Body	Tempera	ature   Max Time	e at Peak Temp	perature Numb	er of Reflow Cycles				
Matte Tin (Sn)			CU Alloy	ру 1			260				30 seconds 3						
Comments					1		<u>I</u>										

SC1458AWLTRT is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in June 2016.

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		Homogeneous	Weight	Unit of		Level	Substance Category			Substance	CAS	Evemnt	Weight	Unit of	Tolerance		PPM
	Name		Material	weight	Measure		Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+	FFIVI
+1 -	Lead frame	+M -M	C194 Ag plated (	9.03	mg	+C -C	Supplier		+S	-S	Cu	7440-50-8		8.72	mg			395,02
									+S	-S	Iron	7439-89-6		0.2037	mg			9,226.3
						+C -C	A	Lead/Lead Compound	+S	-S	Lead	7439-92-1		0.0003	mg			12.27
						+C -C	Supplier		+S	-S	P	7723-14-0		0.002	mg			98.15
									+S	-S	z	7440-66-6		0.011	mg			519.39
									+S	-S	Ag	7440-22-4		0.09	mg			4,089.6
+1 -	Die	+M -M	Silicon chip	1.09	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		1.09	mg			49,365
+1 -	Die attach material	+M -M	QMI529HT	0.14	mg	+C -C	Supplier		+S	-s	Ag	7440-22-4		0.13	mg			5,865.0
	_								+S	-S	Isobornyl Methacrylate	7534-94-3		0.01	mg			475.54
+1 -	Wire	+M -M	Gold	0.18	mg	+C -C	Supplier		+S	-s	Au	7440-57-5		0.18	mg			8,152.1
+1 -	Lead finish	+M -M	Tin alloy	0.62	mg	+C -C	Supplier		+S	-s	Sn	7440-31-5		0.62	mg			28,079
+1 -	Encapsulation	+M -M	EME-G770	11.02	mg	+C -C	Supplier		+S	-s	Fused silica	60676-86-0		10.33	mg			467,65
									+S	-S	Epoxy resin	Proprietary		0.33	mg			14,972
									+S	-S	Phenol resin	Proprietary		0.33	mg			14,972
									+S	-S	С	1333-86-4		0.03	mg			1,497.2