ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Americ	kburn, Illinois	. All rights reserv	tion with lower	level pa	arts, the	declaration	encompas	sses all lowe		erials for	which th	e item is an assembly ne manufacturer has eclaration.			
1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x						Form Type * Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa							
Supplier Information																	
Company Name *	Company Unique ID		Unique ID Au	Response Date *			Res	Response Document ID									
SEMTECH CORPORATION		SEMTECH CORPOR	RATION		2017-0	2-23											
Contact Name *		Title - Contact		Phone - Con	Email - Contact *				Describerate	011	A 4 la -						
Jeffrey Gabrielson		QA Customer Service	e Specialis	(805) 498-21	jgabrielson@semtech.com			om	Duplicate	Contact	-> Autho	orizea Re	presentative				
Authorized Representative *		Title - Representative	Э	Phone - Rep	Email - Representative *			* Sup	plier Comm	nents or UR	L for Add	ditional Ir	formation				
Jeffrey Gabrielson		QA Customer Servic	e Specialis	(805) 498-21	11	jgabrie	lson@s	emtech.c	om								
Requester Item Number		Mfr Item Number		Mfr Item Name	Effective Date Ver		Version	Manufactur	ing Site	Weight *	UC	OM	Unit Type				
		SC4806MLTRT		Buck or Buck	c			Malaysia		41.28	mg	3	Each				
Alternate Recommend	Alternate Recommendation							Alternate l	Item Comm	ents							
Manufacturing Proce	ss In	formation															
Terminal Plating / Grid Array Material Termin			Terminal Ba	ase Alloy	ating Peak Process Body Temp			Temperatur	rature   Max Time at Peak Temperature   Numb				of Reflow Cycles				
,			CU Alloy	у 1				260 (			<b>30</b> se	econds	3				
Comments SC4806MLTRT is REAC	H-cor	npliant product, per	EU Regul	ation EC190	7/2006 to include	recent	addition	of SVHC	: candidat	e list of su	bstances in	n Janua	rv 2017.				

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	Evenne	Weight	Unit of Measure	Tolerance		PPM
	Name		Material	weight	Measure		Levei	Substance Category			Substance	CAS	Exempl			-	+	PFIVI
+1 -1	Lead frame	+M -M	C194 Ag plated (	16.47	mg	+C -C	Supplier		١S	-S	Cu	7440-50-8		15.91	mg		3	385,37
	-								+S	-S	Fe	7439-89-6		0.37	mg		9	9,001.0
						+C -C	A	Lead/Lead Compound	+S	-S	Lead	7439-92-1		0.001	mg			12.77
						+C -C	Supplier	Ĭ.	+S	-S	Р	7723-14-0		0.004	mg		9	95.76
									+S	-s	Zn	7440-66-6		0.021	mg		,	498.73
									+S	-S	Ag	7440-22-4		0.16	mg		;	3,989.8
+1 -1	Die	+M -M	Doped Silicon	0.42	mg	+C -C	Supplier		٠S	-S	Si	7440-21-3		0.42	mg		1	10,123
+1 -1	Die attach material	+M -M	Conductive epox	0.11	mg	+C -C	Supplier		١S	-s	Ag	7440-22-4		0.08	mg		1	1,998.5
									+S	-s	Epoxy Resin	Proprietary		0.02	mg			532.95
									+S	-S	Aromatic Amine	Proprietary		0.006	mg			133.24
+1 -1	Wire	+M -M	Gold	0.21	mg	+C -C	Supplier		٠S	-S	Au	7440-57-5		0.21	mg		5	5,086.7
		·		•					+S	-S	Others			0.00002	mg			0.51
+1 -1	Lead Finish	+M -M	Alloy	0.22	mg	+C -C	Supplier		١S	-s	Sn	7440-31-5		0.21	mg		4	4,993.7
									+S	-s	Others			0.007	mg			159.88
+1 -1	Encapsulation	+M -M	EME-G770HC	23.85	mg	+C -C	Supplier	·	١S	-s	Silica Fused	60676-86-0		22.347	mg		5	541,36
				•					+S	-S	Epoxy Resin	Proprietary		0.716	mg		-	17,332
									+S	-S	Phenol Resin	Proprietary		0.716	mg			17,332
									+S	-s	Carbon Black	1333-86-4		0.072	mg			1,733.2