ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannock Iternational and Pan-Americ	burn, Illinois	. All rights reserve	tion with lower	level pa	arts, the	declaratior	n encor	npasses a	all lower	level mater	ials for	which	ne item is an assembly the manufacturer has declaration.
1752-2 1.1		Neb Site for Informati	••	-1752 Standa	rd	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	Ithority	Response Date *			Response Documer			nent ID			
SEMTECH CORPORATIO	00-847-9941		DUNS	2013-09-19											
Contact Name * Roya Motamedi		Title - Contact QA Customer Service Specialis				Email - Contact * rmotamedi@semtech.			om	Duplicate Contact -> Authorized Representative					
-		Title - Representative QA Customer Service		Phone - Rep 805-389-274	Email - Representative * S rmotamedi@semtech.com				Supplier	Commei	nts or URL	for Add	ditional	Information	
Requester Item Numbe	r	Mfr Item Number		Mfr Item Name	Effective	Effective Date Version Ma			anufacturing Site		Weight *	UC	DM	Unit Type	
		SC189AULTRT		2.5MHz, 1.5A	Synchronous Ste	1						7.46	mg	,	Each
Alternate Recommend	Alternate Recommendation				Alternat			Item Comments							
Manufacturing Proces	ss Inf	formation													
Terminal Plating / Grid Array	Materi	al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ting I	Peak Proc	ess Body	Temper	ature Ma	x Time at	Peak Tempe	erature	Numbe	of Reflow Cycles
Matte Tin (Sn) CU Alloy				1		260 (				30 seconds			3		
SC189AULTRT is REAC	H-con	npliant product, per	EU Regul	ation EC190	7/2006 to include	recent	additior	n of SVH0	C cand	idate list	of sub	stances in	June 2	2013.	

Save the fields in this form to a file	Evport Data	Import fields from a file into this form	Import Data	Clear all of the fields on this form	Reset Form	Lock the fields on this form to prevent chan	Look Cupplier Fields						
<b>RoHS Materia</b>	RoHS Material Composition Declaration Declaration Declaration Type * Detailed												
		ty limit of 0.1% by mass (100 Ethers (PBDE) and quantity					ominated Biphenyls (PBB),						
chromium, polybromina excess of an applicable gathered the information Company will rely on thi completing this form, ar certifications regarding conditions of that agree	ted biphenyls and/or polybrominate quantity limit, please indicate below it provides in this form using app s certification in determining the co d that Supplier may not have inde heir contributions to the part, and ment, including any warranty rights	ompliance of its products with European pendently verified such information. Ho those certifications are at least as comp	ricted substance?) in excess believe may apply. If the p y and that such information n Union member state laws owever, in situations where prehensive as the certificati hat agreement, will be the s	ss of the applicable quantity lim part is an assembly with lower I is true and correct to the best of that implement the RoHS Dire Supplier has not independently ion in this paragraph. If the Co sole and exclusive source of the	it identified above. If a homoge evel components, the declaration of its knowledge and belief, as of ctive. Company acknowledges y verified information provided lo popany and the Supplier enter is a Supplier?s liability and the Co	eneous material within the part cor on shall encompass all such comp of the date that Supplier complete: s that Supplier may have relied on by others, Supplier agrees that, at into a written agreement with resp impany?s remedies for issues that	ntains a RoHS restricted substance in ponents. Supplier certifies that it s this form. Supplier acknowledges that information provided by others in a minimum, its suppliers have provided						
RoHS Declaration	n * 1 - Item(s) does not conta	ain RoHS restricted substances per the	he definition above			Supplier Acceptance *	Accepted						
	e declared item does not co all applicable exemptions.	ntain RoHS restricted substanc	es per the definition a	above except for defined	RoHS exemptions, then	select the corresponding re	esponse in the RoHS Declaration						
Declaration S	ignature												
In a family of the second	ward a factor and the factor of the second s	al Calaba and all manages of the last		a second se	• • • • •	and the second s	terrestring and - Distingthe stars						

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	Fremo	Weight	Unit of Measure	Tolerance		PPM
		Name		Material	weight	Measure		Levei	Substance Category			Substance	CAS	Exempt			-	+	
+I	-1	Leadframe	+M -M	C7025	2.7	mg	+C -(	Supplier		+S	-S	Copper	7440-50-8		2.556	mg		,	342,56
										+S	-s	Silicon	7440-21-3		0.01	mg			1,882.0
							+C -(	В	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.093	mg			12,414
							+C -(	Supplier		+S	-s	Mg	7439-95-4		0.00351	mg			470.51
							+C -(	В		+S	-s	Nickel	7440-02-0		0.0311	mg			4,162.2
							+C -(	Supplier	middle plating	+S	-s	Pd	7440-05-3		0.003	mg			361.93
							+C -(	Supplier	outer plating	+S	-S	Au	7440-57-5		0.0004	mg		)	54.29
+1	-1	Die	+M -M	Doped Silicon	0.28	mg	+C -(	Supplier		+S	-S	Si	7440-21-3		0.28	mg		;	37,533
+1	-1	Die attach material	+M -M	Conductive 2700	0.16	mg	+C -(	Supplier		+S	-s	Ag	7440-22-4		0.14	mg			18,445
										+S	-s	Acrylic resin	Proprietary		0.01	mg			1,501.3
										+S	-s	Acrylate monomer	Proprietary		0.011	mg			1,501.3
+1	-1	Wire	+M -M	Gold	0.04	mg	+C -(	Supplier		+S	-s	Au	7440-57-5		0.04	mg		ļ	5,361.3
										+S	-s	Others	Proprietary		0.000004	mg			0.54
+1	-1	Encapsulation	+M -M	EME-G770HCD	3.69	mg	+C -(	Supplier		+S	-s	Silica Fused	60676-86-0		3.46	mg		,	463,47
										+S	-s	Epoxy Resin	Proprietary		0.11	mg			14,839
										+S	-s	Phenol Resin	Proprietary		0.11	mg			14,839
										+S	-s	Carbon Black	1333-86-4		0.01	mg			1,483.9
+I	-1	Lead Finish	+M -M	Tin Alloy	0.59	mg	+C -(	Supplier		+S	-S	Tin	7440-31-5		0.059	mg			79,080
								_		+S	-s	others	Proprietary		0.00006	mg			7.91