	© Co	terial Compo byright 2005. IPC, Bannock ternational and Pan-Americ	kburn, Illinois.	All rights reserve	ion with lower	level pa	arts, the	declaratio	n encor	npasses all le		erials for	which	ne item is an assembly the manufacturer has declaration.	
		Veb Site for Informati //www.ipc.org/IPC-1		-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	Response Date *				Response Document ID						
SEMTECH CORPORATION				00-847-9941			4-27								
Contact Name * Title - Contact		Title - Contact		Phone - Contact *			Email - Contact *					A (1			
Roya Motamedi Sup		Supervisor, QA Prod	uct Suppor	805-498-211	rmotamedi@semtech.com			om	Duplica	ate Contact	-> Autho	prized R	epresentative		
Authorized Representative * Title - Representative		)	Phone - Representative *			Email - Representative *			Supplier Comments or URL for Additional Information						
Roya Motamedi Su		Supervisor, QA Prod	uct Suppo	805-498-211 <sup>-</sup>	rmotamedi@semtech.com			om							
Requester Item Number		Mfr Item Number		Mfr Item Name	Effective	e Date	Version	Manufa	facturing Site Weight		UC	DM	Unit Type		
		SC5012BQMLTRT		High Efficienc	y 4-Ch, 150mA/Cl	ו		Ма		ia	43.42	mg	3	Each	
Alternate Recommenda	ation				Alternate Item			Item Co	mments			-			
Manufacturing Proces	s Inf	formation													
Terminal Plating / Grid Array	Materi	al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	iting  F	Peak Proc	ess Body	Temper	ature Max Tir	ne at Peak Tem	perature	Number	of Reflow Cycles	
Matte Tin (Sn) CU Alloy				1			260 (			<b>30</b> se	econds	3			
SC5012BQMLTRT is REA	CH-0	compliant product, p	per EU Re	gulation EC1	907/2006 to inclu	ide rece	ent addit	ion of S	VHC ca	Indidate list	of substance	es in Jar	nuary 20	017.	

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	town - town					

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	Exempt	Weight	Unit of	Tolerance		РРМ
		Name		Material	weight	Measure		Levei	Substance Category		Substance	CAS	Measure			-	+	FFINI	
+I	-1	Lead Frame	+M -M	Ag plated Cu C1	917.7	mg	+C -C	Supplier		+S	-S	Cu	7440-50-8		17.1	mg		3	393,74
			_							+S	-s	Fe	7436-89-6		0.4	mg		ę	9,196.5
							+C -C	A	Lead/Lead Compound	+S	-s	Lead	7439-92-1		0.0005	mg			12.23
							+C -C	Supplier		+S	-s	Р	7723-14-0		0.0042	mg		ç	97.84
										+S	-s	Zinc	7440-66-6		0.0225	mg		ł	517.71
										+S	-s	Ag	7440-22-4		0.177	mg		4	4,076.4
+I	-1	Die	+M -M	Doped silicon	1.2	mg	+C -C	Supplier		+S	-s	Si	7440-21-3	•	1.2	mg	·	2	27,637
+I	-1	Die attach material	+M -M	Conductive epo	x0.06	mg	+C -C	Supplier		+S	-S	Ag	7440-22-4		0.04	mg		ç	981.11
										+S	-s	Carbocycllic Acrylate	Proprietary		0.012	mg			276.37
										+S	-s	Bismaleimide resin	Proprietary		0.002	mg		4	41.46
										+S	-s	Acrylate	Proprietary		0.002	mg		4	41.46
										+S	-s	Additive	Proprietary		0.002	mg			41.46
+I	-1	Wire	+M -M	Gold	0.42	mg	+C -C	Supplier		+S	-s	Au	7440-57-5		0.42	mg		ç	9,671.9
										+S	-s	Others	Proprietary		0.00004	mg		(	0.97
+I	-I	Lead Finish	+M -M	Alloy	0.24	mg	+C -C	Supplier		+S	-s	Sn	7440-31-5		0.24	mg		Ę	5,526.8
		•			1					+S	-s	Others	Proprietary		0.00002	mg		(	0.55
+I	-1	Encapsulation	+M -M	Epoxy Resin EM	23.8	mg	+C -C	Supplier		+S	-s	Silica Fused	60676-86-0		22.3	mg		Ę	513,60
		•								+S	-s	Epoxy Resin	Proprietary		0.71	mg			16,444
										+S	-s	Phenol Resin	Proprietary		0.71	mg			16,444
										+S	-s	с	1333-86-4		0.07	mg			1,644.4