ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoch International and Pan-Americ	kburn, Illinois.	. All rights reserv	tion with lower	level p	arts, the	declaratio	n encom	passes all lo		erials for	which	ne item is an assembly the manufacturer has declaration.	
1752-2 1.1	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	Respo	nse Date	e *	F	Response D	ocument ID				
SEMTECH CORPORATIO	лс					2012-0	3-07								
Contact Name * Title - Contact ROYA READER Quality Customer Service 5							Email - Contact * rreader@semtech.com			Duplicate Contact -> Authorized Representative					
Authorized Representati ROYA READER		Title - Representative Quality Customer Se		-	resentative * 42		· Repres r@semte			Supplier Cor	nments or UR	L for Add	ditional	Information	
Requester Item Number Mf		Mfr Item Number		Mfr Item Name	Effectiv	e Date	Version	Manufac	cturing Site	Weight *	UC	M	Unit Type		
	SMS12C.TCT			300 Watt TVS			China		16.39		m)	Each		
Alternate Recommendation							Alternate	Item Cor	nments						
Manufacturing Proces	ss In	formation								·					
Terminal Plating / Grid Array	Materi	al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ting	Peak Proc	ess Body	Tempera	ture Max Tir	ne at Peak Tem	perature	Number	of Reflow Cycles	
Matte Tin (Sn) CU Alloy			[,] 1			2			260 C		30 seconds				
Comments SMS12C.TCT is REACH-	comp	bliant product, per E	U Regulat	ion EC1907/2	2006 to include re	ecent a	ddition c	of SVHC	candida	te list of su	ubstances in	June 20	11		

Save the fields in this form to a file	Export 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 Cumption Fields						
RoHS Material	RoHS Material Composition Declaration Declaration Declaration Type * Detailed												
		limit of 0.1% by mass (100 thers (PBDE) and quantity	, .				ominated Biphenyls (PBB),						
chromium, polybrominate excess of an applicable of gathered the information Company will rely on this completing this form, and certifications regarding the conditions of that agreen	ed biphenyls and/or polybrominated quantity limit, please indicate below it provides in this form using approp certification in determining the com I that Supplier may not have independent rein contributions to the part, and the nent, including any warranty rights a	which, if any, RoHS exemption you b priate methods to ensure its accuracy apliance of its products with European andently verified such information. Ho pose certifications are at least as comp	icted substance") in excess believe may apply. If the p y and that such information n Union member state laws bowever, in situations where prehensive as the certification that agreement, will be the s	of the applicable quantity limit bart is an assembly with lower I is true and correct to the best of that implement the RoHS Dire Supplier has not independentl on in this paragraph. If the Co ole and exclusive source of the	identified above. If a homogene- evel components, the declaration of its knowledge and belief, as of ctive. Company acknowledges to y verified information provided by mpany and the Supplier enter into a Supplier's liability and the Comp	eous material within the part cont n shall encompass all such comp f the date that Supplier complete that Supplier may have relied on y others, Supplier agrees that, at to a written agreement with response upany's remedies for issues that a	tains a RoHS restricted substance in ponents. Supplier certifies that it s this form. Supplier acknowledges that						
RoHS Declaration	n * 1 - Item(s) does not contain	RoHS restricted substances per th	he definition above			Supplier Acceptance *	Accepted						
	declared item does not cont Il applicable exemptions.	ain RoHS restricted substanc	es per the definition a	bove except for defined	RoHS exemptions, then s	select the corresponding re	esponse in the RoHS Declaration						
Declaration Si	gnature												
		C 1 1 11 C (1 1)				T 1: 10 11 1 4	D' i ll i						

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		Item/SubItem		Homogeneous	Weight	Unit of		Level	Substance Category			Substance	CAS	Exempt	Weight	Unit of	Tolerance		РРМ
		Name		Material	weight	Measure		Level	Substance Category			Substance		Lvempt	weight	Measure	-	+	
-		DIE	+M -N	Silicon Die	0.5582	mg	+C -C	Supplier		+S	-S	Silicon (Si)	7440-21-3		0.5582	mg		;	34,056
-	-	LEAD FRAME	+M -N	EFTEC-64T	6.8705	mg	+C -C	Supplier		+S	-S	Copper (Cu)	744050-8		6.8197	mg			416,09
										+S	-S	Chromium (Cr)	7440-47-3		0.0186	mg			1,132
										+S	-S	Tin (Sn)	7440-31-5		0.0172	mg			1,048
										+S	-S	Zinc (Zn)	7440-66-6		0.0151	mg			922
			+M -N	Die Attach Pad F	0.1331	mg	+C -C	Supplier		+S	-S	Silver (Ag)	7440-22-4		0.1331	mg			8,118
-	-	Bonding Wire	+M -N	Gold	0.1191	mg	+C -C	Supplier		+S	-S	Gold (Au)	7440-57-5		0.1191	mg			7,264
-	-	Encapsulation	+M -N	CEL-1702HF9	7.7058	mg	+C -C	Supplier		+S	-S	Silicon Dioxide (SiO2)	60676-86-0		6.7272	mg			410,45
										+S	-S	Epoxy Resin	29690-82-2		0.3853	mg			23,508
										+S	-S	Phenol Resin	26834-02-6		0.3853	mg			23,508
										+S	-S	Aromatic Poly-Phospha	Proprietary		0.1926	mg			11,754
										+S	-S	Carbon Black	1333-86-4		0.0154	mg			940
-	-	Die Attached Epoxy	+M -N	84-1LMISR4	0.0864	mg	+C -C	Supplier		+S	-S	Silver (Ag)	7440-22-4		0.1685	mg			10,279
_										+S	-s	Epoxy Resin	Proprietary		0.0449	mg			2,741
										+S	-s	Curing Agent & Harden	Proprietary		0.0112	mg			685
-	-	Tin Solder	+M -N	Tin	0.7784	mg	+C -C	Supplier		+S	-s	Tin (Sn)	7440-31-5		0.7784	mg			47,493