AS	PC SSOCIATION CONNECTING ECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	. All rights reserve	tion with lower	level p	arts, the c	leclaratior	n encompa		r level mater	ials for	which the	item is an assembly manufacturer has claration.	
17	52-2 1.1		Web Site for Informat		Form Type *         Declaration Class *           Distribute         Class 6 - RoHS Yes/No, Homogeneous Materials and						and Mfg Informat					
Sup	Supplier Information															
Company Name *			Company Unique ID		Unique ID Au	Ithority	Response Date *			Res	Response Document ID					
SEMTECH CORPORATION			SEMTECH CORPOR	RATION				9-24								
Contact Name *			Title - Contact		Phone - Con	Email - Contact *				Dunliante	Contract	م حالف ، ۸				
Roya Reader			QA Customer Servic	e Specialis	805-389-2742	rreader@semtech.com				Duplicate	Contact ->	Autho	nizea Rep	presentative		
Authorized Representati		ve *	Title - Representative	Phone - Repr		epresentative * E		Email - Representative *		* Sup	Supplier Comments or URL for Additional Information					
Roya Reader			QA Customer Service Spe		ialis <b>805-389-2742</b>			rreader@semtech.com								
Requester Item Number		r	Mfr Item Number		Mfr Item Name	Effectiv	Effective Date Version Ma			ing Site	Weight *	UC	M	Unit Type		
	SD05C.TCT			Single-Line		TVS Diode for ESD				China		5.424	mg	)	Each	
	Alternate Recommenda	dation					Alter		Alternate	Item Comm	ents					
Ма	nufacturing Proces	ss In	formation													
Terminal Plating / Grid Array Material			Terminal Base Alloy		J-STD-020 MSL Ra	iting	Peak Process Body		Temperatur	ire Max Time at Peak Temper		erature	ture Number of Reflow Cycles			
Matte Tin (Sn)			Alloy 42		1		2		2 <b>60</b> C	30 secor		onds	s <b>3</b>			
	Comments SD05C.TCT is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in June 2011.															

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				
RoHS Material Composition 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	Exempt	Weight	Unit of	Tolerar	PPM
	Name		Material	weight	Measure		Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+
+I -I	Die	+M -M	Doped Silicon	0.5287	mg	+C -0	Supplier		+S	-S	Si	7440-21-3		0.5287	mg		97,470
+I -I	Lead frame	+M -M	Alloy 42	1.280922	mg	+C -0	Supplier		+S	-S	Fe	7439-89-6		0.7385	mg		136,14
						+C -0	в		+S	-s	Nickel	7440-02-0		0.5252	mg		96,823
						+C -0	Supplier		+S	-S	Mn	7439-96-5		0.0077	mg		1,417
									+S	-s	Cr(not Cr 6+)	7440-47-3		0.0013	mg		236
									+S	-s	Co	7440-48-4		0.0064	mg		1,181
									+S	-s	Si	7440-21-3		0.0019	mg		354
		+M -M	Silver plating	0.0505	mg	+C -0	Supplier		+S	-S	Ag	7440-22-4		0.0505	mg		9,309
+  -	Bonding wire	+M -M	Gold wire	0.0201	mg	+C -0	Supplier		+S	-S	Au	7440-57-5		0.0201	mg		3,702
+  -	Molding compound	+M -M	CEL-1702HF-9	3.2834	mg	+C -0	Supplier		+S	-S	SiO2	60676-86-0		2.8664	mg		528,46
		<u> </u>							+S	-s	Epoxy Resin	29690-82-2		0.1642	mg		30,267
									+S	-s	Phenol Resin	26834-02-6		0.1642	mg		30,267
									+S	-s	Aromatic poly-phospha	Proprietary		0.0821	mg		15,133
									+S	-s	с	1333-86-4		0.0066	mg		1,211
+  -	Die attached epoxy	+M -M	84-1LMISR4	0.106379	mg	+C -C	Supplier		+S	-S	Ag	7440-22-4		0.0798	mg		14,709
							-		+S	-s	Epoxy resin	Proprietary		0.0213	mg		3,922
									+S	-s	Curing agent & hardene	Proprietary		0.0053	mg		981
+  -	Tin solder	+M -M	Pure Tin	0.1541	mg	+C -0	Supplier		+S	-s	Sn	7440-31-5		0.1541	mg		28,414