	© Co	terial Compo pyright 2005. IPC, Bannoc International and Pan-Americ	kburn, Illinois	. All rights reserv	tion with lower	level pa	arts, the	declaratio	n encon		ver level mate	erials for v	which th	item is an assembly e manufacturer has eclaration.		
1752-2 1.1		Web Site for Informat		-1752 Standa	ard		Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Ho					omogeneous Materials and Mfg Informat				
Supplier Information																
Company Name *		Company Unique ID		Unique ID Au	uthority	Respo	nse Date) *		Response Do	cument ID					
SEMTECH CORPORATIO	ON	SEMTECH CORPOR	RATION			2012-1	0-31									
Contact Name * Title - Contact		Title - Contact	Phone - Contact *			Email - Contact *				~						
ROYA READER	QA Customer Servic	Service Specialis 805-389-2742			rreader@semte			h.com			Contact -> Authorized Representative					
Authorized Representative * Title - Representative			Э	Phone - Rep	Email - Representative *			*	Supplier Comments or URL for Additional Information							
ROYA READER		QA Customer Servic	e Specialis	805-389-274	rreader@semtech.com											
Requester Item Number	r	Mfr Item Number		Mfr Item Name	Effective	e Date	Version	Manufa	cturing Site	Weight *	UON	Л	Unit Type			
		uClamp2512T.TCT		Lightning and ESD Protection fo		>		China			2.512	mg		Each		
Alternate Recommenda	ation				Alternate Item C			Item Co	mments							
Manufacturing Proces	ss In	formation														
Terminal Plating / Grid Array	Materi	ial	Terminal B	ase Alloy	J-STD-020 MSL Ra	ating F	Peak Proc	ess Body	Tempera	ature Max Tim	e at Peak Tem	perature N	lumber o	of Reflow Cycles		
Nickel/Palladium/Gold (Ni/Pd/Au) CU Alloy			-	1			260 (30 se	econds 3	3				
Comments UClamp2512T.TCT is RE	ACH	-compliant product,	per EU R	egulation EC	:1907/2006 to incl	ude rec	ent add	ition of S	SVHC c	andidate list	of substance	es in Sep	tember	2012		

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 Materia	Composition Declar	ation				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		Unit of			Level	Substance Category			Substance	CAS	Exempt	Woight	Unit of	Tolerance		РРМ
	Name		Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+	FFIVI
+ -	Die	+M -M	Doped Silicon	0.0288	mg	+C	-C s	Supplier		+S	-S	Si	7440-21-3		0.0288	mg			11,465
+ -	Lead Frame	+M -M	C7025	1.11793	img	+C	-C s	Supplier		+S	-S	Cu	7440-50-8		1.0721	mg		,	426,77
										+S	-s	Si	7440-21-3		0.0081	mg			3,226
						+C	-C E	3	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0358	mg			14,241
						+C	-C s	Supplier		+S	-S	Mg	7439-95-4		0.002	mg			779
		+М-М	Ni/Pd/Au plating	0.02866	img	+C	-C E	3		+S	-s	Nickel	7440-02-0		0.0258	mg			10,289
						+C ·	-C s	Supplier	middle plating	+S	-S	Pd	7440-03-5		0.0024	mg			936
						+C	-C s	Supplier	outer plating	+S	-S	Au	7440-57-5		0.0005	mg			186
+ -	Wire bonding	+М -М	Au	0.0125	mg	+C	-C s	Supplier		+S	-S	Au	7440-57-5		0.0125	mg		(4,986
+ -	Molding compound	+М -М	EME-G770HCD	1.308269	mg	+C ·	-C s	Supplier		+S	-S	Silica fused	60676-86-0		1.2232	mg		(486,93
										+S	-s	Epoxy resin	Proprietary		0.0392	mg			15,624
										+S	-s	Phenol resin	Proprietary		0.0392	mg			15,624
										+S	-s	Carbon Black	1333-86-4		0.0065	mg			2,604
+ -	Die attached epoxy	+М -М	QMI519	0.015893	mg	+C	-C s	Supplier		+S	-S	Ag	7440-22-4		0.0127	mg		ļ	5,061
										+S	-s	palladium compound	Proprietary		0.000023	mg			9
										+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.000000	mg			0.3163
										+S	-s	Hydroquinone	123-31-9		0.000000	mg			0.0044
										+S	-S	Acrylate	Proprietary		0.0025	mg			1,002
										+S	-s	Bismaleimide resin	Proprietary		0.0005	mg			190
										+S	-s	Polymer of polybutadie	Proprietary		0.0002	mg			63