	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lowe	r level p	parts, the	declaratio	n encor		ver level mate	erials for	which t	e item is an assembly he manufacturer has declaration.	
1752-2 1.1		Web Site for Informat		-1752 Standa	ard		Form Type * Declaration Class * Distribute Class 6 - RoHS Yes/No, Homogeneous Ma						laterial	s and Mfg Informat	
Supplier Information															
Company Name *		Company Unique ID		Unique ID Authority			Response Date *			Response Document ID					
SEMTECH CORPORATION SEMTECH CORPORAT			RATION			2012-	11-08								
Contact Name * Title - Contact				ntact *	Email	- Contac	:t *			I					
ROYA READER	QA Customer Servic	e Spec.	805-389-274	Rread	Rreader@semtech.com			Duplicat	e Contact	-> Autho	rized R	epresentative			
Authorized Representative * Title - Representative			Э	Phone - Representative *			Email - Representative *			Supplier Comments or URL for Additional Information					
ROYA READER		QA Customer Servic	e Spec.	805-389-274	Rreader@semtech.com			n							
Requester Item Number		Mfr Item Number		Mfr Item Name		Effectiv	ve Date	Date Version Manu		acturing Site	Weight *	UO	M	Unit Type	
	RCLAMP3304NATCT		Т	Low-Capacita	ance TVS Array				China		12.92		ng	Each	
Alternate Recommenda	ation					Alternate Item Co			omments						
Manufacturing Proces	ss In	formation													
Terminal Plating / Grid Array	Materi	ial	Terminal B	ase Alloy	J-STD-020 MSL R	ating	Peak Proc	cess Body	Temper	ature Max Tim	e at Peak Tem	perature	Number	of Reflow Cycles	
Nickel/Palladium/Gold (Ni/Pd/Au) CU Alloy			1	1				<b>260</b> C	;	<b>30</b> se	econds	3			
Comments RClamp3304N.TCT is RE	АСН	-compliant product	per EU R	egulation EC	C1907/2006 to inc	lude re	cent add	ition of S	SVHC o	andidate list	of substanc	es in Se	ptembe	er 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
<b>RoHS Materia</b>	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	Exampt	Weight	Unit of Measure	Tolerance		РРМ
	Name		Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	weight		-	+	FFIVI
+1 -1	Die	+M -M	Doped Silicon	0.7579	mg	+C	-C s	Supplier		+S	-S	Si	7440-21-3		0.7579	mg		į	58,659
+I -I	Lead frame	+M -M	C7025	5.58967	Smg	+C	-C s	Supplier		+S	-S	Cu	7440-50-8		5.3605	mg		4	414,88
										+S	-s	Si	7440-21-3		0.0405	mg			3,137
										+S	-s	Mg	7439-95-4		0.0098	mg			757
						+C	-C E	В		+S	-s	Nickel	7440-02-0		0.1789	mg			13,844
		+M -M	Ni/Pd/Au Plating	0.14332	Smg	+C	-C E	В		+S	-s	Nickel	7440-02-0		0.1292	mg			10,003
			•			+C	-C s	Supplier	Middle plating	+S	-s	Pd	7440-5-3		0.0118	mg		!	910
						+C	-C s	Supplier	Outer plating	+S	-S	Au	7440-57-5		0.0023	mg			181
+I -I	Bonding wire	+M -M	Au	0.1576	mg	+C	-C s	Supplier		+S	-S	Au	7440-57-5		0.1576	mg			12,194
+I -I	Molding compound	+M -M	EME-G770HCD	6.09078	Smg	+C	-C s	Supplier		+S	-S	Silica fused	60676-86-0		5.6949	mg			440,76
			•							+S	-s	Epoxy Resin	Proprietary		0.1827	mg			14,142
										+S	-s	Phenol Resin	Proprietary		0.1827	mg			14,142
										+S	-s	Carbon black	1333-86-4		0.0305	mg			2,357
+  -	Die attached epoxy	+M -M	QMI519	0.18112	mg	+C	-C s	Supplier		+S	-s	Ag	7440-22-4		0.1449	mg			11,215
										+S	-s	Palladium compound, A	Proprietary		0.0003	mg			21
										+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.00000	mg			1
										+S	-s	Hydroquinone	123-31-9		0.00000	mg		,	0
										+S	-s	Acrylate	Proprietary		0.0287	mg			2,221
										+S	-s	Bismaleimide resin	Proprietary		0.0054	mg			421
										+S	-s	Polymer of polybutadie	Proprietary		0.0018	mg			140