ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	. All rights reserve	tion with lower	level p	arts, the	declaration	n encom	npasses	all lower	level mate	erials for	which th	e item is an assembly ne manufacturer has leclaration.
1752-2 1.1		Web Site for Informat		n Type * ribute			tion Class * - RoHS Yes/No, Homogeneous Materials and Mfg Informat								
Supplier Information															
Company Name *	Company Unique ID		Unique ID Au	Response Date *			ı	Response Document ID							
SEMTECH CORPORATION		SEMTECH CORPOR	RATION		2012-0	7-17									
Contact Name *		Title - Contact		Phone - Con	Email - Contact *										
Roya Reader		QA Customer Servic	e Specialis	805-389-274	rreade	rreader@semtech.com			Du	plicate	Contact	-> Autho	rized Re	epresentative	
Authorized Representative *		Title - Representative	9	Phone - Rep	Email - Representative *			*	Supplier Comments or URL for Additional Information						
Roya Reader		QA Customer Service	e Specialis	805-389-274	rreader@semtech.com										
Requester Item Number		Mfr Item Number		Mfr Item Name	Effectiv	e Date	Version	on Manufacturin		te	Weight *	UC	M	Unit Type	
		RClamp0501T.TNT		Low Capacita	r						0.785	mg	1	Each	
Alternate Recommenda	imendation				Alternate Item C			Item Co	mments					•	
Manufacturing Proces	ss In	formation													
Terminal Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 MSL Ra	ating	ng Peak Process Br		3ody Temperature		e Max Time at Peak Tem		perature Number		of Reflow Cycles	
Nickel/Palladium/Gold (Ni/Pd/Au)			CU Alloy		1				260 C				econds	3	
Comments RClamp0501T.TNT is RI	EACH	l-compliant product	, per EU R	egulation EC	1907/2006 to inc	lude re	cent add	lition of \$	SVHC c	andidat	e list of	substanc	es in Ju	ıne 2012	2

Save the fields in Import fields from a Clear all of the Lock the fields on this **Export Data** Import Data Reset Form Lock Supplier Fields this form to a file file into this form fields on this form form to prevent changes **RoHS Material Composition Declaration Declaration Type *** Detailed Rohs Directive Rohs Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenvls (PBB). Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium 2002/95/EC Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a ?RoHS restricted substance?) in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance in excess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier?s liability and the Company?s remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply. 1 - Item(s) does not contain RoHS restricted substances per the definition above Supplier Acceptance * Accepted **RoHS Declaration *** Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions. **Declaration Signature**

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 Measure	Tolerance		PPM
	Name		Material	Weight	Measure		Level	oubstance oategory			Gubstance	OAO .				-	+	
+1 -	Die	+M -M	Doped Silicon	0.0288	mg	+C -(Supplie		+S	-\$	Si	7440-21-3		0.0288	mg			36,670
+1 -	Lead frame	+M -M	C7025	0.35859	9mg	+C -(Supplie		+\$	-S	Cu	7440-50-8		0.3439	mg			437,86
	_		-						+S	-s	Si	7440-21-3		0.0026	mg			3,310
						+C -(В	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0115	mg			14,611
						+C -(Supplie		+S	-S	Mg	7439-95-4		0.0006	mg			799
		+M -M	Ni/Pd/Au Plating	0.00919	5mg	+C -(В		+S	-S	Nickel	7440-02-0		0.0083	mg			10,557
						+C -(Supplie		+S	-S	Pd	7440-05-3		0.0008	mg			960
									+S	-S	Au	7440-57-5		0.0001	mg			191
+1 -	Bonding wire	+M -M	Gold	0.0075	mg	+C -(Supplie		+S	-S	Au	7440-57-5		0.0075	mg			9,568
+1 -	Molding compound	d+M-M	EME-G770HCD	0.36538	amg	+C -(Supplie		+S	-S	Silica fused	60676-86-0		0.3416	mg			434,99
	_								+S	-S	Epoxy resin	Proprietary		0.011	mg			13,957
									+S	-S	Phenol resin	Proprietary		0.011	mg			13,957
									+S	-S	Carbon black	1333-86-4		0.0018	mg			2,326
+1 -	Die attached Epox	y+M-M	QMI519	0.01589	3mg	+C -(Supplie		+S	-S	Ag	7440-22-4		0.0127	mg			16,189
	_								+S	-S	Palladium compound	Proprietary		0.000023	mg			30
									+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.000000	mg			1
									+S	-s	Hydroquinone	123-31-9		0.000000	mg			0.0141
									+S	-s	Acrylate	Proprietary		0.0025	mg			3,206
									+S	-s	Bismaleimide resin	Proprietary		0.0005	mg			607
									+S	-s	Polymer of polybutadie	Proprietary		0.0002	mg			202