ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc aternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level pa	arts, the	declaration	n encon		er level mate	erials for	which th	eitem is an assembly e manufacturer has eclaration.		
1752-2 1.1	.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x								Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat							
Supplier Information																
Company Name *		Company Unique ID		Unique ID Au	Response Date *				Response Doc							
SEMTECH CORPORATION	ON	SEMTECH CORPOR	RATION		2012-01-19											
Contact Name *		Title - Contact		Phone - Con	Email - Contact *				5 "		• 11		1			
ROYA READER		Quality Customer Se	rvice Spec	805-389-274	rreader@semtech.com				Duplicate	Contact	-> Autho	rized Re	presentative			
Authorized Representative		Title - Representative	Э	Phone - Rep	Email - Representative *			*	Supplier Comments or URL for Additional Information							
ROYA READER		Quality Customer Se	rvice Spec	805-389-274	rreader@semtech.com											
Requester Item Number		Mfr Item Number		Mfr Item Name	Effective	e Date	Version Manufa		cturing Site	Weight *	UC	DM	Unit Type			
		uClamp3324P.TCT		Low Voltage	Chin			China	a 5.302		mg	1	Each			
Alternate Recommenda	endation				Alternate Item C			Item Co	comments							
Manufacturing Proces	ss In	formation														
Terminal Plating / Grid Array Material			Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ating	ing Peak Proc		Tempera	rature Max Time at Peak Te		nperature Numb		of Reflow Cycles		
Nickel/Palladium/Gold (/Au)	CU Alloy		1			260 (30		econds	3				
Comments UClamp3324P.TCT is RI	EACH	l-compliant product	, per EU R	egulation EC	C1907/2006 to inc	lude re	cent add	ition of S	SVHC o	candidate list (of substance	es in Ju	ıne 2011			

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

	- 1	Item/SubItem			Homogeneous	Weight	Unit of			Level	Substance Category			Substance	CAS	Exempt	Weight	Oille Oi	Tolerance		PPM
		Name			Material	Weight	Measure			Level	Substance Category			Substance	UA3	Lxempt	weight	Measure	-	+	11111
+1 -	1	Die	+M	-M	Doped Silicon	0.4188	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.4188	mg			78,982
+1 -	ı	_eadframe	+M	-M	C7025	1.5479	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		1.4844	mg			279,95
												+S	-s	Si	7440-21-3		0.0112	mg			2,116
								+C	-C	В	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0495	mg			9,342
								+C	-C	Supplier		+S	-S	Mg	7439-95-4		0.0027	mg			511
								+C	-C	В		+S	-S	Nickel	7440-02-0		0.0358	mg			6,750
								+C	-C	Supplier	middle plating	+S	-S	Pd	7440-05-3		0.0033	mg			614
								+C	-C	Supplier	outer plating	+S	-S	Au	7440-57-5		0.0006	mg			122
+1 -	ı	Bonding wire	+M	l-M	Au	0.0908	mg	+C	-C	Supplier		+S	-S	Au	7440-57-5		0.0908	mg			17,125
+1 -	ı	Molding compound	+M	-M	EME-G770HCD	3.1051	mg	+C	-C	Supplier		+S	-S	Silica fused	60676-86-0		2.9033	mg			547,54
					•							+S	-s	Epoxy resin	Proprietary		0.0932	mg			17,568
												+S	-s	Phenol resin	Proprietary		0.0932	mg			17,568
												+S	-s	Carbon Black	1333-86-4		0.0155	mg			2,928
+1 -	ı	Die Attached Epoxy	+M	l-M	QMI519	0.1001	mg	+C	-C	Supplier		+S	-S	Ag	7440-22-4		0.0801	mg			15,101
									-			+S	-s	Palladium compound	Proprietary		0.0002	mg			28
												+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.000005	mg			1
												+S	-s	Hydroquinone	123-31-9		0.000000	mg			0
												+S	-s	Acrylate	Proprietary		0.0159	mg			2,991
												+S	-s	Bismaleimide resin	Proprietary		0.003	mg			566
												+S	-s	Polymer of polybutadie	Proprietary		0.001	mg			189