ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoo nternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility. Adobe Reader version 7.0.5 is required to complete this declaration.												
1752-2 1.1	752-2 1.1 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x						Form Type * Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa								
Supplier Information																		
Company Name *	Company Unique ID		Unique ID Au	Response Date *			R	esponse Do	ocument ID									
SEMTECH CORPORATION	00-847-9941		DUNS	2016-1	2-15													
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Roya Motamedi		Supervisor, QA Prod	uct Suppo	805-498-211	rmotamedi@semtech.com			om	Duplica	ite Contact	-> Autno	orizea Re	epresentative					
Authorized Representative *		Title - Representative	Э	Phone - Rep	Email - Representative *			· s	Supplier Comments or URL for Additional Information									
Roya Motamedi		Supervisor, QA Prod	luct Suppo	805-498-211	rmotamedi@semtech.com			om										
Requester Item Number		Mfr Item Number		Mfr Item Name	Effectiv	e Date	Version	Manufact	uring Site	Weight *	U	OM	Unit Type					
		UClamp0301PQTNT		Low Voltage	ın			China		0.863	m	9	Each					
Alternate Recommend	Alternate Recommendation					Alternat			tem Com	ments	<u> </u>	<u> </u>						
Manufacturing Proce	ss In	formation																
Terminal Plating / Grid Array Material Terminal E			Terminal B	ase Alloy	ating	ting Peak Process Body Tempo			ure Max Tin	ne at Peak Ter	Number of Reflow Cycles							
,			CU Alloy	,		2				30 sec		3						
Comments UClamp0301PQTNT is R	EAC	H-compliant produc	t, per EU F	Regulation E	C1907/2006 to inc	clude re	ecent add	dition of S	SVHC ca	andidate lis	st of substar	nces in J	une 201	6.				

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		Levei	oubstance oategory			Gubstance	OAO .				-	+	
+1 -1	Die	+M -M	Doped Silicon	0.052	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		0.0515	mg		;	59,615
			-						+S	-S	AI	7429-90-5		0.0008	mg			971
+1 -	Lead frame	+M -M	C7025	0.359	mg	+C -C	Supplier		+S	-S	Cu	7440-50-8		0.3439	mg		;	398,38
			-						+S	-S	Si	7440-21-3		0.0026	mg			3,012
						+C -C	В		+S	-s	Nickel	7440-02-0		0.0115	mg			13,293
						+C -C	Supplier		+S	-S	Mg	7439-95-4		0.0006	mg		1	727
		+M -M	Internal/middle/d	0.009	mg	+C -C	В		+S	-S	Nickel	7440-02-0		0.0083	mg			9,605
				•		+C -C	Supplier	middle plating	+S	-S	Pd	7440-05-3		0.0008	mg			873
						+C -C	Supplier	outer plating	+S	-S	Au	7440-57-5		0.0001	mg			174
+1 -	Bonding wire	+M -M	0.8mil Au	0.0075	mg	+C -C	Supplier		+S	-s	Au	7440-57-5		0.0075	mg			8,705
+1 -	Molding compound	+M -M	EME-G770HCD	0.462	mg	+C -C	Supplier		+S	-S	Silica fused	60676-86-0		0.432	mg			500,48
			-						+S	-S	Epoxy resin	Proprietary		0.0139	mg			16,058
									+S	-s	Phenol resin	Proprietary		0.0139	mg			16,058
									+S	-s	Carbon black	1333-86-4		0.0023	mg			2,676
+1 -	Die attached epoxy	+M -M	QMI519	0.025	mg	+C -C	Supplier		+S	-S	Ag	7440-22-4		0.02	mg			23,188
			-						+S	-S	Palladium compound	Proprietary		0.000038	mg			43
									+S	-S	2,6-Di-tert-butyl-p-creso	128-37-0		0.000001	mg			1
									+S	-s	Acrylate	Proprietary		0.004	mg			4,593
									+S	-s	Bismaleimide resin	Proprietary		0.0008	mg			870
									+S	-S	Polymer of polybutadie	Proprietary		0.0003	mg			290