ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level p	arts, the	declaration	n encon		er level mate	erials for	which th	item is an assembly e manufacturer has eclaration.
1752-2 1.1	ırd		n Type * ribute	-	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa									
Supplier Information														
Company Name *		Company Unique ID		Unique ID Au	Response Date *				Response Document ID					
SEMTECH CORPORATION	ON	00-847-9941		DUNS										
Contact Name *		Title - Contact		Phone - Contact *			Email - Contact *			Dunlingto	Cantast			n no o o ntoti vo
Roya Motamedi		Supervisor, QA Prod	uct Suppo	805-498-211	rmotamedi@semtech.com			om	Duplicate	Contact	-> Autho	rizea Re	presentative	
Authorized Representati	ive *	Title - Representative	Э	Phone - Rep	Email - Representative *			*	Supplier Comments or URL for Additional Information					
Roya Motamedi		Supervisor, QA Prod	luct Suppo	805-498-211	1	rmota	medi@se	emtech.c	om					
Requester Item Number		Mfr Item Number		Mfr Item Name	;	Effectiv	e Date	Version Manuf		cturing Site	ng Site Weight *		DM	Unit Type
	EClamp2386P.TCT		ESD-EMI		ne Protection for C			China			8.096	mg	3	Each
Alternate Recommendation						Alternate Item C			Item Co	mments				
Manufacturing Proces	ss In	formation												
Terminal Plating / Grid Array Material			Terminal B	ase Alloy	J-STD-020 MSL Ra	ating	ing Peak Proce		Tempera	ature Max Time at Peak T		perature	Number of	of Reflow Cycles
Nickel/Palladium/Gold (I/Au)	CU Alloy		1			260			30 se	econds	3		
Comments EClamp2386P.TCT is RI	EACH	I-compliant product	, per EU R	egulation EC	C1907/2006 to inc	lude re	ecent add	lition of S	SVHC o	andidate list	of substance	es in Ju	ıne 2016	•

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			.evel	Substance Category			Substance	CAS	Evemnt	Weight	Unit of	Tolerance		PPM
Name				Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+		
+1	-I	Die	+M	-M	Doped silicon	0.3458	mg	+C -(Csu	upplier		+S	-S	Si	7440-21-3		0.3458	mg			42,712
+1	-1	Lead frame	+M	-M	C7025	2.838	mg	+C -(CSu	upplier		+S	-S	Cu	7440-50-8		2.7215	mg			336,13
						•						+S	-S	Si	7440-21-3		0.0206	mg			2,541
								+C -(СВ		Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0908	mg			11,216
								+C -(C Sı	upplier		+S	-S	Mg	7439-95-4		0.005	mg			613
								+C -(СВ			+S	-S	Nickel	7440-02-0		0.0656	mg			8,104
								+C -(C Sı	upplier		+S	-S	Pd	7440-05-3		0.006	mg			737
												+S	-s	Au	7440-57-5		0.0012	mg			146
+1	-1	Bonding wire	+M	-M	Au wire	0.2442	mg	+C -(CSu	upplier		+S	-S	Au	7440-57-5		0.2442	mg			30,165
+1	-1	Molding compound	+M	-M	EME-G770	4.513	mg	+C -(CSu	upplier		+S	-\$	Silica fused	60676-86-0		4.2197	mg			521,18
								,				+S	-s	Epoxy resin	Proprietary		0.1354	mg			16,723
												+S	-s	Phenol resin	Proprietary		0.1354	mg			16,723
												+S	-s	Carbon black	1333-86-4		0.0226	mg			2,787
+1	-1	Die attached Epoxy	+M	-М	QMI519	0.083	mg	+C -(CSu	upplier		+S	-S	Ag	7440-22-4		0.0661	mg			8,166
						•						+S	-s	palladium compound	Proprietary		0.0001	mg			15
												+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0	mg			1
												+S	-S	Acrylate	Proprietary		0.0131	mg			1,617
												+S	-S	Bismaleimide resin	Proprietary		0.0025	mg			306
												+S	-s	Polymer of polybutadie	Proprietary		0.0008	mg			102