

 <small>ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®</small>		Material Composition Declaration <small>© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.</small>		<small>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.</small> Adobe Reader version 7.0.5 is required to complete this declaration.					
1752-2 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 Informat		
Supplier Information									
Company Name * SEMTECH CORPORATION		Company Unique ID 00-847-9941		Unique ID Authority DUNS		Response Date * 2013-08-29		Response Document ID	
Contact Name * Roya Reader		Title - Contact QA Customer Service Specialist		Phone - Contact * 805-389-2742		Email - Contact * rreader@semtech.com		<div>Duplicate Contact -> Authorized Representative</div>	
Authorized Representative * Roya Reader		Title - Representative QA Customer Service Specialist		Phone - Representative * 805-389-2742		Email - Representative * rreader@semtech.com		Supplier Comments or URL for Additional Information	
Requester Item Number		Mfr Item Number		Mfr Item Name		Effective Date		Version	
		EClamp2378K.TCT							
Alternate Recommendation						Alternate Item Comments			
Manufacturing Process Information									
Terminal Plating / Grid Array Material Nickel/Palladium/Gold (Ni/Pd/Au)		Terminal Base Alloy CU Alloy		J-STD-020 MSL Rating 1		Peak Process Body Temperature C		Max Time at Peak Temperature seconds	
								Number of Reflow Cycles 3	
Comments EClamp2378K.TCT is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in June 2013.									

Save the fields in this form to a file	<input type="button" value="Export Data"/>	Import fields from a file into this form	<input type="button" value="Import Data"/>	Clear all of the fields on this form	<input type="button" value="Reset Form"/>	Lock the fields on this form to prevent changes	<input type="button" value="Lock Supplier Fields"/>
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RoHS Material Composition Declaration		Declaration Type *	<input type="button" value="Detailed"/>
RoHS Directive 2002/95/EC	RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium		
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.			
RoHS Declaration *	1 - Item(s) does not contain RoHS restricted substances per the definition above		Supplier Acceptance * <input type="button" value="Accepted"/>
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

SubItem 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 Name			Homogeneous Material	Weight	Unit of Measure			Level	Substance Category			Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM	
																			-	+		
+I	-I	Die	+M	-M	Doped Silicon	0.3458	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.3458	mg			60,646	
+I	-I	Leadframe	+M	-M	C7025 - MHT	2.493855	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		2.3916	mg			419,42	
												+S	-S	Si	7440-21-3		0.0181	mg			3,171	
								+C	-C	B		+S	-S	Nickel	7440-02-0		0.0798	mg			13,995	
								+C	-C	Supplier		+S	-S	Mg	7439-95-4		0.0044	mg			765	
					+M	-M	Ni/Pd/Au plating	0.063945	mg	+C	-C	B		+S	-S	Nickel	7440-02-0		0.0577	mg		10,112
								+C	-C	Supplier	middle plating	+S	-S	Pd	7440-05-3		0.0052	mg			920	
								+C	-C	Supplier	outer plating	+S	-S	Au	7440-57-5		0.001	mg			183	
+I	-I	Molding compound	+M	-M	EME-G770HCD	2.635223	mg	+C	-C	Supplier		+S	-S	Silica fused	60676-86-0		2.4639	mg			14,145	
												+S	-S	Epoxy resin	Proprietary		0.0791	mg			13,864	
												+S	-S	Phenol resin	Proprietary		0.0791	mg			432,10	
												+S	-S	Carbon black	1333-86-4		0.0132	mg			2,311	
+I	-I	Die Attach Epoxy	+M	-M	QMI519	0.082644	mg	+C	-C	Supplier		+S	-S	Ag	7440-22-4		0.0661	mg			11,595	
												+S	-S	palladium compound	Proprietary		0.0001	mg			22	
												+S	-S	2,6-Di-tert-butyl-p-creso	128-37-0		0.000004	mg			1	
												+S	-S	Hydroquinone	123-31-9		0.000000	mg			0	
												+S	-S	Acrylate	Proprietary		0.0131	mg			2,297	
												+S	-S	Bismaleimide resin	Proprietary		0.0025	mg			435	
												+S	-S	Polymer of polybutadie	Proprietary		0.0008	mg			145	