Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions. Acobe Reader version 7.0.5 is required to complete this declaration.											e manufacturer has					
		Veb Site for Information on IPC-1752 Standard //www.ipc.org/IPC-175x				Form Type *Declaration Class *DistributeClass 6 - RoHS Yes/No, Homogeneous Materials a					and Mfg Informat					
Supplier Information																
Company Name * Company Ur			Company Unique ID	ID Unique ID Authority			Response Date *				ponse Docu					
SEMTECH CORPORATION			SEMTECH CORPORATION			2012-0	8-22									
Contact Name *			Title - Contact Phone - Cont			ntact * Email -		mail - Contact *				0 1 1	A (1			
ROYA READER			QA Customer Service Specialis 805-389-2742			2	rreader@semtech.com				Duplicate	Contact ·	-> Autho	prized Re	presentative	
Authorized Representativ		ive *	* Title - Representative		Phone - Representative *		Email - Representative *		* Sup	Supplier Comments or URL for Additional Information						
ROYA READER			QA Customer Servic	805-389-274	י 05-389-2742		rreader@semtech.com									
Requester Item Number		r	Mfr Item Number Mfr Item Na		Mfr Item Name	9	Effective	e Date	Date Version Manut		ing Site	Weight *	UC	M	Unit Type	
	SC187ULTRT		SC187ULTRT 4A, 2.2MHz S		Synchronous Step-				Malaysia		0.01611	g		Each		
	Alternate Recommendation						Alternate Item C		Item Comm	ents	•					
Manufacturing Process Information																
Terminal Plating / Grid Array Materi			al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ting I	J Peak Process Body Tempe		Temperatur	erature Max Time at Peak Te		mperature Number of Reflow Cycles			
Matte Tin (Sn) Comments				CU Alloy		1		260		260 C	; 30 s		econds	conds 3		
SC187ULTRT is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in June 2012																

Save the fields in this form to a file	Evport Data	Import fields from a file into this form	Import Data	Clear all of the fields on this form	Reset Form	Lock the fields on this form to prevent chan	Look Cupplier Fields					
RoHS Material Composition Declaration Declaration Type * Detailed												
RoHS Directive 2002/95/ECRoHS 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 reter 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 i												
RoHS Declaration	n * 1 - Item(s) does not conta	ain RoHS restricted substances per the	he definition above			Supplier Acceptance *	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												
In a family of the second	ward a factor and the factor of the second s	al Calaba and all manages of the last		a second se		and the second s	town - town					

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	Woight	Unit of	Tolerance		PPM
Name Material Weight Measure	Substance Category		Substance			weight	Measure	-	+	PPIVI
+I -I Lead Frame +M -M Ag plated Cu C700.00598 g +C -C Supplier	+:	s -s	Cu	7440-50-8		0.00563	g		:	349,65
	+	s -s	Si	7440-21-3		0.00003	g			1,855.9
+C -C B N	Nickel (external applic +	s -s	Nickel	7440-02-0		0.000209	g			12,991
+C -C Supplier	+:	s -s	Mg	7439-95-4		0.000009	g			556.79
	+	s -s	Fe	7439-89-6		0.00001	g			371.79
	+	s -s	Zn	7440-66-6		0.00003	g			1,855.9
	+	s -s	Mg	7439-96-5		0.000003	g			185.59
	+	s -s	Ag	7440-22-4		0.00006	g			3,711.9
+I -I Die +M -M Silicon Chip 0.00054 g +C -C Supplier	+:	s -s	Si	7440-21-3		0.00054	g		;	33,519
+I -I Die attach material +M -M Conductive epox0.00027 g +C -C Supplier	+\$	s -s	Ag	7440-22-4		0.00019	g			11,731
	+	s -s	Epoxy Resin	68475-54-5		0.000054	g			3,351.9
	+	s -s	t-Butyl phenyl glycidyl	9003-36-5		0.00002	g			1,256.9
	+	s -s	Phenolic hardener	96-48-0		0.000004	g			251.39
	+	s -s	Butyl cellosolve acetate	Proprietary		0.000003	g			167.59
+I -I Wire +M -M Gold 0.00042 g +C -C Supplier	+:	s -s	Au	7440-57-5		0.00042	g		:	26,068
	+	s -s	Others	Proprietary		0.00000	g			2.6070
+I -I Lead Finish +M -M Alloy 0.00057 g +C -C Supplier	+:	s -s	Sn	7440-31-5		0.00057	g		;	35,378
	+	s -s	Others	Proprietary		0.00000	g			3.5381
+I -I Encapsulation +M -M Epoxy Resin EM0.00833 g +C -C Supplier	+\$	s -s	Silica Fused	60676-86-0		0.00781	g			484,49
	+	s -s	Epoxy Resin	Proprietary		0.00025	g			15,512
	+	s -s	Phenol Resin	Proprietary		0.00025	g			15,512
	+	s -s	Carbon Black	1333-86-4		0.00002	g			1,551.2