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1752-2 1.1	-1752 Standa	1			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa									
Supplier Information														
Company Name *		Company Unique ID		Unique ID Au	Response Date *			Res	Response Document ID					
SEMTECH CORPORATION	ON	SEMTECH CORPOR	RATION			2016-0	6-08							
Contact Name *		Title - Contact		Phone - Con	Email -	Contac	t *		D U 4-	044	A tl			
ROYA READER		Supervisor, Product	Support	805-498-211	rreader@semtech.com				Duplicate	Contact	-> Autno	orizea Re	presentative	
Authorized Representat	ive *	Title - Representative	Э	Phone - Rep	Email - Representative *			* Sur	plier Comn	nents or URI	L for Add	ditional Ir	formation	
Elvia Finkel		Specialist, Documen	t Control/C	805-498-211	1	efinkel	@semte	ch.com						
Requester Item Number		Mfr Item Number		Mfr Item Name	Effective Date Versi			Manufactu	ing Site	Weight *	UC	OM	Unit Type	
		SX1231HIMLTRT		Low Power Integrated UHF		ın			Malaysia		0.07488	mg	3	Each
Alternate Recommend	Alternate Recommendation							Alternate	Item Comm	ents	_			
Manufacturing Proce	ss In	formation												
Terminal Plating / Grid Array Material Terminal I				ase Alloy	ating Peak Process Bo			Temperatur	Max Time at Peak Temp		perature	Number	of Reflow Cycles	
Matte Tin (Sn) - annealed CU Allo					3		260		2 60 C		30 se	econds	3	
Comments SX1231HIMLTRT is REA	СН-с	ompliant product, p	er EU Reg	ulation EC19	907/2006 to inclu	de recei	nt additio	on of SV	HC candid	late list of	substances	s in Dece	ember 20	015

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	Evemnt	Weight	Unit of Measure	Tolerance		PPM
		Name			Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempl			-	+	FFIVI
+1	-I	Die	+M	-M	Silicon Chip	0.00274	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.00274	mg		;	36,591
+1	-I	Lead Frame	+M	-M	Ag Plated Cu C1	0.03206	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		0.03097	mg		4	413,55
	Ī					•						+S	-s	Fe	7439-89-6		0.00072	mg			9,659.1
								+C	-C	A		+S	-s	Lead	7439-92-1		0.000001	mg			12.84
								+C	-C	Supplier		+S	-S	Р	7723-14-0		0.000007	mg		ĺ	102.76
							'					+S	-s	Zn	7440-66-6		0.000040	mg			543.75
												+S	-s	Ag	7440-22-4		0.000320	mg			4,281.5
+1	-I	Die attach material	+M	-M	Conductive epox	0.00061	mg	+C	-c	Supplier		+S	-S	Silver	7440-22-4		0.00043	mg		į	5,783.9
-					•	•						+S	-s	Carbocycllic Acrylate	Proprietary		0.000122	mg			1,629.2
												+S	-s	Bismaleimide resin	Proprietary		0.000018	mg			244.39
												+S	-s	Acrylate	Proprietary		0.000018	mg			244.39
												+S	-s	Additive	Proprietary		0.000018	mg			244.39
+1	-I	Wire	+M	-M	Gold	0.00054	mg	+C	-c	Supplier		+8	-s	Au	7440-57-5		0.00054	mg		-	7,210.8
-					•	•						+S	-s	Others	N/A		0.000000	mg			0.72
+1	-I	Lead Finish	+M	-M	Alloy	0.00222	mg	+C	-c	Supplier		+S	-S	Sn	7440-31-5		0.00222	mg		2	29,644
					•	•	•					+S	-s	Others	N/A		0.000000	mg			2.96
+1	-I	Encapsulation	+M	-M	EME-G770HCD	0.03671	mg	+C	-c	Supplier		+S	-s	Silica Fused	60676-86-0		0.0344	mg		4	459,36
				•	•	1						+S	-s	Epoxy Resin	Proprietary		0.0011	mg			14,707
												+S	-s	Phenol Resin	Proprietary		0.0011	mg			14,707
												+S	-S	Carbon Black	1333-86-4		0.00011	mg			1,470.7