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1752-2 1.1	-1752 Standa	'52 Standard			-	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa								
Supplier Information														
Company Name * Company Unique ID				Unique ID Au	ıthority	Respor	nse Date	*	Re	Response Document ID				
SEMTECH CORPORATION	ON					2011-10	0-12							
Contact Name *		Title - Contact		Phone - Cor	Email -	Contac	t *		Dunlingt	- Camtast	. A41		nunnantati .a	
ROYA READER		Quality Customer Se	rvice	(805) 498-21	rreader@semtech.com				Duplicat	e Contact	-> Autno	rizea Re	presentative	
Authorized Representat	Title - Representative	Э	Phone - Representative *		Email - Representative *			* Sı	ıpplier Comı	ments or UR	L for Add	ditional Ir	formation	
ROYA READER				(805) 498-21	11	rreader	@semte	ch.com						
Requester Item Number	r	Mfr Item Number		Mfr Item Name	Effective	Date	Version Manuf		uring Site	Weight *	UC	M	Unit Type	
		SD05.TCT		Single-Line T				China		5.3077	mg	 g	Each	
Alternate Recommendation						Alternate Iter			Item Com	ments		•		•
Manufacturing Proce	ss In	formation				•								
Terminal Plating / Grid Array Material Terminal E				ase Alloy	nting Peak Process Bo			Body Temperature		e at Peak Tem	perature	perature Number of Reflow Cycles		
Matte Tin (Sn) CU Alloy				,			:	<b>260</b> C		<b>30</b> se		3		
Comments					1	ļ								
SD05.TCT is REACH-co	mplia	nt product, per EU F	Regulation	EC1907/200	6 to include rece	nt addit	ion of S	VHC car	ndidate li	st of substa	nces in Jur	ne 2011		

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	0	Tolerance		РРМ
		Name			Material	Weight	Measure			LCVCI	oubstance oategory			Gubstance	OAO .	LXCIIIpt	Weight	Measure	-	+	
+l	-1	Die, Switch	+M	-M	Doped Silicon	0.1335	mg	+C	-c	Supplier		+S	-S	Silicon (Si)	7440-21-3		0.1335	mg			25,157
+l	-	Lead Frame	+M	-M	Alloy42	1.3315	mg	+C	-C	Supplier		+\$	-S	Fe	7439-89-6		0.7385	mg			139,12
								+C	-C	В		+S	-S	Nickel	7440-02-0		0.5252	mg			98,945
								+C	-C	Supplier		+S	-S	Mn	7439-96-5		0.0077	mg			1,448
												+S	-s	Cr(not Cr6+)	7440-47-3		0.0013	mg			241
												+S	-s	Со	7440-48-4		0.0064	mg			1,207
												+S	-s	Si	7440-21-3		0.0019	mg			362
			+M	-M	Silver plating	0.0505	mg	+C	-C	Supplier		+S	-S	Ag	7440-22-4		0.0505	mg			9,513
+1	-1	Bonding Wire	+M	-M	Gold	0.0201	mg	+C	-C	Supplier		+S	-S	Au	7440-57-5		0.0201	mg			3,783
+1	-	Molding Compound	+M	-M	CEL-1702HF-9	3.6149	mg	+C	-C	Supplier		+S	-S	SiO2	60676-86-0		3.1558	mg			594,56
	,								_			+S	-S	Epoxy Resin	29690-82-2		0.1807	mg			34,053
												+S	-S	Phenol Resin	26834-02-6		0.1807	mg			34,053
												+S	-S	Aromatic poly-phospha	Proprietary		0.0904	mg			17,026
												+S	-S	С	1333-86-4		0.0072	mg			1,362
+1	-I	Die attached epoxy	+M	-M	84-1 LMISR4	0.0537	mg	+C	-c	Supplier		+S	-s	Ag	7440-22-4		0.0403	mg	ĺ		7,593
					_							+S	-s	Epoxy Resin	Proprietary		0.0107	mg			2,025
												+S	-s	Curing agent & hardene	Proprietary		0.0027	mg			506
+1	-I	Tin Solder	+M	-M	Pure Tin	0.1541	mg	+C	-c	Supplier		+S	-s	Sn	7440-31-5		0.1541	mg			29,037