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1752-2 1.1	_	Web Site for Informat		-1752 Standa	ırd		m Type * ribute		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat						
Supplier Information															
Company Name *	Company Unique ID		Unique ID Au	uthority	Resp	onse Date	*	R	Response Document ID						
SEMTECH CORPORAT	ION	00-847-9941		DUNS			04-20								
Contact Name * Roya Motamedi		Title - Contact QA Customer Service	e Specialis	Phone - Cor 805-498-211	Email - Contact * rmotamedi@semtech.com			om	Duplica	te Contact	-> Autho	rized Re	epresentative		
Authorized Representa	tive *	Title - Representative	e	Phone - Rep	hone - Representative *			entative '	* S	Supplier Comments or URL for Additional Information					
Roya Motamedi	QA Customer Service	e Specialis	805-498-211	1	rmotamedi@semtech.com			om							
Requester Item Number		Mfr Item Number		Mfr Item Name)	Effective Date \		Version	Manufact	uring Site	Weight *	UC	M	Unit Type	
		TS80000-QFNR		High Efficiend	cy Transmitter Con				France		119			Each	
Alternate Recommendation						Alternate Item			Item Com	Comments					
Manufacturing Proce	ess In	formation													
Terminal Plating / Grid Array Material Terminal B			ase Alloy	ting	Peak Proc	ess Body ⁻	Temperat	ure Max Tim	e at Peak Temperature Number			of Reflow Cycles			
Matte Tin (Sn)			CU Alloy	, 3			26				30 s	30 seconds 3			
Matte Tin (Sn) Comments			CU Alloy	,	3			2	260 C		30 s	econds	3		

TS80000-QFNR is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in December 2015.

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	\A/ - !!- /	Unit of			Substance Category			Onth-1-1	CAS	F	VAV = 1 ==1 = 4	Unit of	Tolerand	e DDM
	Name		Material	Weight	Measure		Level	Substance Category			Substance	CAS	Exempt	Weight	Measure	- +	PPM
+1 -1	Die	+M -M	Other inorganic	m7.644	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		7.362	mg		61,866
									+S	-S	AI	7429-90-5		0.029	mg		244
									+S	-S	Со	7440-48-4		0.027	mg		227
									+S	-S	Ti	7440-32-6		0.008	mg		67
									+S	-S	w	7440-33-7		0.016	mg		134
									+S	-S	SiN	68034-42-4		0.019	mg		160
									+S	-s	SiO2	7631-86-9		0.183	mg		1,538
+1 -1	Die attached	+M -M	Ablebond	1.072	mg	+C -C	Supplier		+S	-s	Ag	7440-22-4		0.755	mg		6,345
									+S	-s	Bisphenol-F, epoxy res	9003-36-5		0.052	mg		437
									+S	-s	Fatty acids, polymers	68475-94-5		0.052	mg		437
									+S	-s	Gamma Butyrolactone	96-48-0		0.052	mg		437
									+S	-s	epoxy resin	proprietary		0.052	mg		437
									+S	-S	Poly(Oxy(methyl-1, 2-et	9046-10-0		0.052	mg		437
									+S	-s	Copper Oxide	1317-38-0		0.052	mg		437
									+S	-s	1.4-Bis(2,3-epoxypropo	2425-79-8		0.005	mg		42
+1 -1	Encapsulation	+M -M	EME-G770	43.27	mg	+C -C	Supplier		+S	-s	Epoxy resin A	Proprietary		1.314	mg		11,042
									+S	-s	Epoxy resin B	Proprietary		1.314	mg		11,042
									+S	-s	Phenol resin A	Proprietary		1.314	mg		11,042
									+S	-s	Phenol resin B	Proprietary		1.314	mg		11,042
									+S	-s	Metal hydroxide	Proprietary		0.657	mg		5,521
									+S	-S	С	1333-86-4		0.131	mg		1,101
									+S	-s	Silica fused	60676-86-0		37.226	mg		312,82
+1 -1	Bonding wire	+M -M	Au	0.291	mg	+C -C	Supplier		+S	-S	Au	7440-57-5		0.291	mg		2,445

+I -I Lead finish	+M -M Sn	2.302 n	ng +	c -c	Supplier	+S	-s	Sn	7440-31-5	2.302	mg	19,345
+I -I Lead frame	+M -M C194	64.421 n	ng +	с -с	Supplier	+S	-S	Cu	7440-50-8	62.693	mg	526,83
						+S	-S	Phosphorus	7723-14-0	0.054	mg	454
						+S	-S	z	7440-66-6	0.081	mg	681
						+8	-S	Iron	7439-89-6	1.528	mg	12,840
						+S	-S	Silver	7440-22-4	0.065	mg	546