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17	52-2 1.1		Web Site for Informat		-1752 Standa	rd						laterials	and Mfg Informat			
Supplier Information																
Company Name * Company Unique ID					Unique ID Au	Response Date *			Response Do			Document ID				
SEMTECH CORPORATION SEMTECH			SEMTECH CORPOR	RATION		2012-(	6-27									
Contact Name * Title - Contact				Phone - Con	Email	- Contact	t *		Du	un li e e t e	Contoot		wine of De			
ROY	ROYA READER QUALITY ASSURANCE CI		ICE CUST	T 805-389-2742			rreader@semtech.com			Duplicate Contact -> Authonzed Representative						
Authorized Representat		ve *	Title - Representative		Phone - Representative *		Email - Representative *			* S	Supplier Comments or URL for Additional Information					
ROY	A READER		QUALITY ASSURAN	ICE CUST	805-389-2742	rreader@semtech.com										
Requester Item Number			Mfr Item Number		Mfr Item Name	Effectiv	e Date	Manufacturing Site		ite	Weight *	UC	M	Unit Type		
		EClamp2454P.TC			ESD-EMI 4-lir	ne Protection for C		China			5.322		5.322	mg	1	Each
	Alternate Recommenda	ation							Alternate	Item Com	nments					
Mai	Manufacturing Process Information															
Terminal Plating / Grid Array Material Terminal Ba			ase Alloy	ting Peak Process Bo		ess Body	s Body Temperature		re Max Time at Peak Temp		perature	erature Number of Reflow Cycle				
Nic	kel/Palladium/Gold (	l/Au)	CU Alloy		1				<b>260</b> C		<b>30</b> se		econds 3			
	Comments 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											
		ty limit of 0.1% by mass (100 Ethers (PBDE) and quantity					ominated Biphenyls (PBB),				
chromium, polybromina excess of an applicable gathered the information Company will rely on thi completing this form, ar certifications regarding conditions of that agree	ted biphenyls and/or polybrominate quantity limit, please indicate below it provides in this form using app s certification in determining the co d that Supplier may not have inde heir contributions to the part, and ment, including any warranty rights	ompliance of its products with European pendently verified such information. Ho those certifications are at least as comp	ricted substance?) in excess believe may apply. If the p y and that such information n Union member state laws owever, in situations where prehensive as the certificati hat agreement, will be the s	ss of the applicable quantity lim part is an assembly with lower I is true and correct to the best of that implement the RoHS Dire Supplier has not independently ion in this paragraph. If the Co sole and exclusive source of the	it identified above. If a homoge evel components, the declaration of its knowledge and belief, as of ctive. Company acknowledges y verified information provided lo popany and the Supplier enter is a Supplier?s liability and the Co	eneous material within the part cor on shall encompass all such comp of the date that Supplier complete: s that Supplier may have relied on by others, Supplier agrees that, at into a written agreement with resp impany?s remedies for issues that	ntains a RoHS restricted substance in ponents. Supplier certifies that it s this form. Supplier acknowledges that information provided by others in a minimum, its suppliers have provided				
RoHS Declaration	n * 1 - Item(s) does not conta	ain RoHS restricted substances per the	he definition above			Supplier Acceptance *	Accepted				
	e declared item does not co all applicable exemptions.	ntain RoHS restricted substanc	es per the definition a	above except for defined	RoHS exemptions, then	select the corresponding re	esponse in the RoHS Declaration				
Declaration S	ignature										
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			Tolerance		РРМ
		Name			Material	weight	Measure			Levei				Substance	CAS			Measure	-	+	
+	-	Die	+M	-м	Doped Silicon	0.3302	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.3302	mg		6;	2,049
+	-I	Lead Frame	+M	-м	C7025	1.54791	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		1.4844	mg		2	78,92
												+S	-s	Si	7440-21-3		0.0112	mg		2	2,109
								+C	-C	В	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0495	mg		9	9,307
								+C	-C	Supplier		+S	-s	Mg	7439-95-4	•	0.0027	mg		5	09
			+M	-м	Ni/Pd/Au plating	0.03969	mg	+C	-C	в		+S	-s	Nickel	7440-02-0		0.0358	mg		6	6,725
								+C	-C	Supplier	middle plating	+S	-s	Pd	7440-05-3		0.0033	mg		6	12
								+C	-C	Supplier	outer plating	+S	-s	Au	7440-57-5		0.0006	mg		1:	22
+	-1	Bonding wire	+M	-м	Gold wire	0.0908	mg	+C	-C	Supplier		+S	-s	Au	7440-57-5		0.0908	mg		1	7,062
+	-I	Molding Compound	+M	-м	EME-G770HCD	3.15551	5mg	+C	-C	Supplier		+S	-S	Silica fused	60676-86-0		2.9504	mg		5	54,38
												+S	-s	Epoxy resin	Proprietary		0.0947	mg		1	7,788
												+S	-s	Phenol resin	Proprietary		0.0947	mg		1	7,788
												+S	-s	Carbon Black	1333-86-4		0.0158	mg		2	2,965
+	-I	Die attached Epoxy	+M	-м	QMI519	0.15783	7mg	+C	-C	Supplier		+S	-s	Ag	7440-22-4		0.1263	mg		2	3,726
												+S	-s	Palladium compound	Proprietary		0.0002	mg		4	.4
												+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.00007	mg		1	
												+S	-s	Hydroquinone	123-31-9		0.00000	mg		0	0.0207
												+S	-s	Acrylate	Proprietary		0.025	mg		4	l,699
												+S	-s	Bismaleimide resin	Proprietary		0.0047	mg		8	890
												+S	-S	Polymer of polybutadie	Proprietary		0.0016	mg		2	97