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1752-2 1.1 IPC Web Site for Ir http://www.ipc.org				Information on IPC-1752 Standard									ation Class * 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat							
Supplier Information																				
Company Name *			Company Unique ID		Unique ID Au	nique ID Authority		Response Date *			Response Document ID									
Semtech Corporation			SEMTECH CORPOR	RATION	4			2016-12-01												
Contact Name *			Title - Contact		Phone - Contact *		Email - Contact *				Dur	licata C	a mta at	م الدر	mine al Da					
Elvia Finkel			Specialist, Documen	805-498-211 <sup>-</sup>	)5-498-2111 6		efinkel@semtech.com			Dup	licate Co	ontact ->	Autho	nzea Re	presentative					
Authorized Representative *		ve *	Title - Representative	Э	Phone - Representative *		Email - Representative *			* Su	Supplier Comments or URL for Additional Information									
Elvia Finkel			Specialist, Documen	t Control/C	805-498-2111		efinkel@semtech.com													
Requester Item Number		r	Mfr Item Number		Mfr Item Name			/e Date	Version	Manufactu	uring Site	e We	eight *	UC	M	Unit Type				
			SC1301BISKTRT 2A High S			High Speed Low-Side MOSF		Malay		Malaysia	ysia		0126	g		Each				
	Alternate Recommendation						Alternate Item Co			nents					•					
Manufacturing Process Information																				
Terminal Plating / Grid Array Material		al	Terminal Ba	Base Alloy J-STD-020 MSL		ating Peak Proc		cess Body Tempera		ture Max Time at Peak Temp		eak Tempe	rature	of Reflow Cycles						
Matte Tin (Sn)				CU Alloy		1		260		260 C	С		30 seconds		3					
Comments SC1301BISKTRT is REACH-compliant product, per EU Regulation EC1907/2006 to include recent addition of SVHC candidate list of substances in June 2016																				

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 Declaration Type *												
		ty limit of 0.1% by mass (100 Ethers (PBDE) and quantity					ominated Biphenyls (PBB),					
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 s												
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	Exompt		Unit of	Tolerand		e PPM
Name Material	Weight N	Measure		Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+	FFIVI
+I -I Die +M -M Silicon Chip	0.00038 g	9	+C -C	Supplier		+S	-S	Si	7440-21-3		0.00038	g		:	30,183
+I -I Lead Frame +M -M C194	0.0017 g	9	+C -C	Supplier		+S	-S	Cu	7440-50-8		0.001642	g			130,42
						+S	-S	Iron	7439-89-6		0.000038	g			3,046
			+C -C	A		+S	-s	Lead	7439-92-1		0.000000	g			4
			+C -C	Supplier		+S	-s	Phosphorous	7723-14-0		0.000000	g		;	32
		-				+S	-s	Zinc	7440-66-6		0.000002	g			171
						+S	-s	Silver	7440-22-4		0.000017	g			1,350
+I -I Die attach material +M -M Epoxy QMI 519	0.00016 g	9	+C -C	Supplier		+S	-s	Silver	7440-22-4		0.000128	g			10,230
						+S	-s	Carbocycllic Acrylate	Proprietary		0.000016	g			1,271
						+S	-s	Bismaleimide resin	Proprietary		0.000004	g			381
						+S	-s	2-preponoic acid, 2-met	68586-19-6		0.000004	g			381
						+S	-s	Additive	Proprietary		0.000048	g			381
						+S	-s	Dicumlyl peroxide	80-43-3		0.00000	g			64
+I -I Wire +M -M Gold	0.00008 g	3	+C -C	Supplier		+S	-S	Au	7440-57-5		0.000079	g			6,354
						+S	-s	Others	N/A		0.00000	g			1
+I -I Lead Finish +M -M	0.00016 g	3	+C -C	Supplier		+S	-S	Sn	7440-31-5		0.000159	g			999,90
	-					+S	-s	Others	N/A		0.00000	g			1.27
+I -I Encapsulation +M -M Epoxy Resin CE	0.01011 g	3	+C -C	Supplier		+S	-S	Epoxy Resin-1	Proprietary		0.000303	g			24,091
	-					+S	-s	Epoxy Resin-2	Proprietary		0.000303	g			9,466
						+S	-s	Phenol Resin	Proprietary		0.000454	g			9,466
						+S	-S	Silica Fused	60676-86-0		0.008826	mg			23,662
						+S	-s	Carbon Black	1333-86-4		0.000020	g			382,34
						+S	-s	Others	N/A		0.000202	mg			16,060