AS	EC SOCIATION CONNECTING ECTRONICS INDUSTRIES ⊗	© Co	terial Compo pyright 2005. IPC, Bannoc International and Pan-Americ	kburn, Illinois	All rights reserve	tion with lower	level p	arts, the o	declaratio	n encomp	asses a	all lower	level mate	rials for	which th	e item is an assembly e manufacturer has eclaration.
17	52-2 1.1				-1752 Standa	rd				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa						
Sup	Supplier Information															
Con	npany Name *	Company Unique ID		Unique ID		Ithority	Response Date *		*	Resp		onse Document ID				
SEN	ITECH CORPORATIO	ON	SEMTECH CORPOR	RATION	2			2012-07-10								
Con	tact Name *		Title - Contact		Phone - Contact *			Email - Contact *			D	- 11 4 -	Ocurtoct	A		
ROYA READER			Quality Assurance C	ustomer Se	805-389-2742		rreader@semtech.com				Duplicate Contact -> Authorized Representative					presentative
Aut	horized Representati	ve *	* Title - Representative		Phone - Representative *		Email - Representative *			* Sı	Supplier Comments or URL for Additional Information					
ROYA READER			Quality Assurance C	ustomer S	r S <b>805-389-2742</b>			rreader@semtech.com			1					
	Requester Item Numbe	r	Mfr Item Number		Mfr Item Name		Effectiv	e Date	Version	Manufact	uring Sit	te	Weight *	UC	M	Unit Type
			SMDA15C.TBT		300 Watt Bidr	ectional TVS Arra	/			Phillipine	S		75.875	mg	J	Each
	Alternate Recommenda	ation	Distribute Class 6 - RoHS Yes/No, Homogeneous Materials an   Company Unique ID Unique ID Authority Response Date * Response Document ID   SEMTECH CORPORATION Unique ID Authority Response Date * Distribute   Title - Contact Phone - Contact * Email - Contact * Duplicate Contact -> Authorized Representative *   Quality Assurance Customer Se805-389-2742 Email - Representative * Supplier Comments or URL for Additional Information   Mtr Item Number Mfr Item Name Effective Date Version Manufacturing Site Weight * UOM UI   SMDA15C.TBT 300 Watt Bidrectional TVS Array Alternate Item Comments 75.875 mg East													
Ма	nufacturing Proces	ss In	formation													
Term	ninal Plating / Grid Array	Materi	al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ting	Peak Proc	ess Body	Temperatu	ure Max	x Time at	Peak Temp	perature	Number of	of Reflow Cycles
Matte Tin (Sn)			CU Alloy		/ 1				2	<b>260</b> C		<b>30</b> Se		econds 3		
	ments REACH-compliant pro	oduct	, per EU Regulation	EC1907/2	006 to includ	le recent addition	of SV	HC candi	idate list	t of subs	tances	in June	2011			

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
<b>RoHS Materia</b>	Composition Declar	ation				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	Weight		Tolerance		PPM		
		Name			Material	Weight	Measure			oubstance outegory			oubstance		Exempt	Weight	Measure	-	+	
+I	-1	Die	+M	і-м	Doped Silicon	2.75	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		2.75	mg			36,243
+I	-1	Lead frame	+M	I -M	C194	39.45	mg	+C -C	Supplier		+S	-S	Cu	7440-50-8		38.4638	mg			506,93
			-								+S	-S	Fe	7439-89-6		0.92708	mg			12,218
											+S	-S	Р	7723-14-0		0.011835	mg			155.98
											+S	-S	Zn	7440-66-6		0.04734	mg			623.92
+I	-1	Die attach material	+M	I -м	Conductive epo	0.175	mg	+C -C	Supplier		+S	-s	Epoxy resin	129915-35-1		0.01	mg			115.32
											+S	-s	Silver	7440-22-4		0.15	mg			1,960.4
											+S	-s	Aromatic Amine	Proprietary		0.018	mg			230.64
+I	-1	Wire	+M	I -м	Gold	0.1	mg	+C -C	Supplier		+S	-s	Au	7440-57-5		0.1	mg			1,317.8
+I	-1	Encapsulation	+M	і -м	EME-G600	30	mg	+C -C	Supplier		+S	-s	Fused Silica	60676-86-0		26	mg			345,96
											+S	-s	Epoxy Resin	129915-35-1		1.5	mg			19,769
											+S	-s	Carbon black	1333-86-4		0.15	mg			1,976.9
											+S	-S	Epoxy cresol novalac	29690-82-2		0.6	mg			7,907.7
											+S	-S	Phenol resin	9003-35-4		1.5	mg			19,769
+I	-1	Lead finish	+M	I -M	Alloy	3.4	mg	+C -C	Supplier		+S	-S	Tin	7440-31-5	-	3.4	mg			44,810