	Material Compc © Copyright 2005. IPC, Bannoc poth international and Pan-Ameri	kburn, Illinois. All rights res	ration with lower		declaration e	encompass	es all lowe		rials for	which th	item is an assembly e manufacturer has eclaration.		
1/32-2 1.1	PC Web Site for Informat		ndard	Form Type * Distribute		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informa							
Supplier Information													
Company Name *	Company Unique ID	Unique ID	Authority	Response Dat	e *	Resp	onse Docu	Iment ID					
SEMTECH CORP.				2013-03-14									
Contact Name *	Title - Contact	Phone - C	Contact *	Email - Contac	ct *			0 1 1	A (1		. e 1		
ROYA READER	QA Customer Servic	e Specialis 805-389-2	742	Rreader@sem		Duplicate Contact -> Authorized Representative							
Authorized Representativ	re * Title - Representative	e Phone - R	Representative *	Email - Repres	Supp	Supplier Comments or URL for Additional Information							
ROYA READER	QA Customer Servic	e Specialis 805-389-2	742	Rreader@sem	tech.com								
Requester Item Number	Mfr Item Number	Mfr Item Na	ame	Effective Date	Version M	anufacturin	g Site	Weight *	UO	M	Unit Type		
SMDA15.TBT	SMDA15.TBT	Unidirectio	onal TVS Array for Pro)	Pr	nilippines	oines 75.87		mg		Each		
Alternate Recommenda	tion				m Commer	its							
Manufacturing Proces	s Information												
Terminal Plating / Grid Array M	laterial	Terminal Base Alloy	J-STD-020 MSL Ra	ting Peak Pro	cess Body Te	mperature	Max Time	at Peak Temp	erature	Number o	f Reflow Cycles		
Matte Tin (Sn)	CU Alloy	1		D C	30 secon			3					
Comments			1	I									
SMDA15.TBT is REACH-c	ompliant product, per E	U Regulation EC19	07/2006 to include re	ecent addition	of SVHC ca	ndidate li	st of subs	tances in D	ecemb	er 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 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	terrestring and - Distingthe stars					

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	Exemp	Weight	Unit of	Tolerance		PPM
		Name		Material	weight	Measure		'		Substance Category			oubstance		Linet	weight	Measure	-	+	
+I	-1	Die	+M -N	Doped Silicon	2.75	mg	+C	-C s	Supplier		+S	-S	Si	7440-21-3		2.75	mg			36,243
+1	-1	Leadframe	+M -N	A194	39.45	mg	+C	-C s	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	+M -N	84-1MLIS R4	0.175	mg	+C	-C s	Supplier		+S	-s	Silver	7440-22-4		0.15	mg			1,960.4
											+S	-s	Epoxy resin	129915-35-1		0.01	mg			115.32
											+S	-s	Aromatic Amine	Proprietary		0.018	mg			230.64
+I	-1	Wire	+M -N	l Gold	0.1	mg	+C	-C s	Supplier		+S	-s	Au	7440-57-5		0.1	mg			1,317.8
+I	-1	Encapsulation	+M -N	EME G600	30	mg	+C ·	-C s	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 -N	I Tin alloy	3.4	mg	+C	-C s	Supplier		+S	-s	Sn	7440-31-5		3.4	mg			44,810