_ AS	PC SSOCIATION CONNECTING ECTRONICS INDUSTRIES ⊗	© Cop	terial Compo byright 2005. IPC, Bannoc ternational and Pan-Americ	kburn, Illinois	. All rights reserve	tion with lower	level p	oarts, the o	declaration	n encompa		r level mate	erials for	which th	e item is an assembly e manufacturer has eclaration.	
17	52-2 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x						n Type * ribute	_	Declaratio Class 6 - R		Class * MS Yes/No, Homogeneous Materials and Mfg Informat				
Sup	plier Information															
Cor	npany Name *		Company Unique ID		Unique ID Authority			Response Date *			Response Document ID					
SEMTECH CORPORAT		ON SEMTECH CORPOR		RATION			2012-02-09									
Contact Name *			Title - Contact		Phone - Contact *			Email - Contact *				• • •	A (1			
ROYA READER			Quality Customer Se	rvice Spec	805-389-2742			rreader@semtech.com			Duplicate	Contact ·	-> Autho	rized Re	presentative	
Authorized Representat		ve *	Title - Representative	Phone - Representative *			Email - Representative *			* Su	Supplier Comments or URL for Additional Information					
ROYA READER			Quality Customer Se	rvice Spec	805-389-274	2	rreade	er@semte	ch.com							
·	Requester Item Number		Mfr Item Number		Mfr Item Name			/e Date	Version	Manufactu	ring Site	Weight *	UC	M	Unit Type	
			RClamp0522T.TCT	np0522T.TCT		Ultra Low Capacitance TVS Arr				China		2.069	mg	1	Each	
	Alternate Recommenda	ation							Alternate	Item Comm	ents	•				
Ма	nufacturing Proces	ss Inf	formation													
Tern	ninal Plating / Grid Array	Materi	al	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ting	Peak Proc	ess Body	Temperatu	e Max Time a	at Peak Tem	perature	Number c	of Reflow Cycles	
Nickel/Palladium/Gold (Comments		Ni/Pd/Au) Cl		CU Alloy		1			260 (30		econds 3			
RC	lamp0522T.TCT is RE	EACH	-compliant product	, per EU R	egulation EC	:1907/2006 to inc	lude re	ecent add	ition of S	SVHC can	didate list o	f substanc	es in O	ctober 20	011	

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 Materia	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	Woight	Unit of	Tolerand	e PPM
Name				Material	weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	weight	Measure	- +		
+I	-1	Die	+M	-м	Doped Silicon	0.0571	mg	+C	-C	Supplier		+S	-S	Si	7440-21-3		0.0571	mg		27,583
+I	-1	Lead frame	+M	-м	C7025	0.9459	mg	+C	-C	Supplier		+S	-S	Cu	7440-50-8		0.9072	mg		438,42
												+S	-s	Si	7440-21-3		0.0069	mg		3,314
								+C	-C	в	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0303	mg		14,630
								+C	-C	Supplier		+S	-s	Mg	7439-95-4		0.0017	mg		800
			+M	-м	Ni/Pd/Au plating	0.0243	mg	+C	-C	в		+S	-s	Nickel	7440-02-0		0.0219	mg		10,570
								+C	-C	Supplier	Middle plating	+S	-s	Pd	7440-05-3		0.002	mg		961
								+C	-C	Supplier	Outer plating	+S	-s	Au	7440-57-5		0.0004	mg		191
+I	-1	Bonding wire	+M	-м	Gold	0.0119	mg	+C	-C	Supplier		+S	-S	Au	7440-57-5		0.0119	mg		5,750
+I	-1	Molding compound	+M	-м	EME-G770HCD	0.9985	mg	+C	-C	Supplier		+S	-S	Silica fused	60676-86-0		0.9336	mg		451,18
			,									+S	-s	Epoxy resin	Proprietary		0.03	mg		14,477
												+S	-s	Phenol resin	Proprietary		0.03	mg		14,477
												+S	-s	Carbon Black	1333-86-4		0.005	mg		2,413
+I	-1	Die attached epoxy	+M	-м	QMI519	0.0315	mg	+C	-C	Supplier		+S	-s	Ag	7440-22-4		0.0252	mg		12,177
												+S	-s	palladium compound	Proprietary		0.000047	mg		23
												+S	-s	2,6 Di-tert-butyl-p-creso	128-37-0		0.000001	mg		1
												+S	-s	Hydroquinone	123-31-9		0.00000	mg		0.0106
												+S	-s	Acrylate	Proprietary		0.005	mg		2,412
												+S	-s	Bismaleimide resin	Proprietary		0.0009	mg		457
												+S	-S	Polymer of polybutadie	Proprietary		0.0003	mg		152