	Material Com © Copyright 2005. IPC, Bar poth international and Pan-Ar	nockburn, Illinoi	s. All rights reser	ation with lower		declaratio	on encompass	ses all lov		als for which	the item is an assemb the manufacturer ha s declaration.	
1/32-2 1.1	PC Web Site for Inforr http://www.ipc.org/IP	Form Type *Declaration Class *DistributeClass 6 - RoHS Yes/No, Homogeneous M						als and Mfg Inform				
Supplier Information												
Company Name * Company Unique ID				uthority	Response Dat	Resp	onse Do	cument ID				
SEMTECH CORPORATION SEMTECH CORPORATION					2012-10-18							
Contact Name * Title - Contact			Phone - Co	ntact *	Email - Contac		<b>.</b>		A (1 ) 1			
<b>ROYA READER</b> QA Customer Service Spec.			805-389-27	42	Rreader@sem	m	Duplicate     Contact     -> Authorized Representative       Supplier Comments or URL for Additional Information					
Authorized Representativ	orized Representative * Title - Representative			presentative *	Email - Repres	•* Supp						
<b>ROYA READER</b> QA Customer Service Spec.			805-389-274	42	Rreader@semtech.com							
Requester Item Number	Mfr Item Number		Mfr Item Nam	ie	Effective Date	Version	Manufacturin	ng Site	Weight *	UOM	Unit Type	
	RCLAMP2654P.T	MP2654P.TCT Low		ance RClamp Surg	je 🛛		China		12.867	mg	Each	
Alternate Recommenda	tion					Alternate Item C		nts				
Manufacturing Proces	s Information											
Terminal Plating / Grid Array Material Terminal B		Base Alloy J-STD-020 MSL Ra		ating Peak Process Body Tem		/ Temperature	Max Tim	e at Peak Tempe	erature Numb	er of Reflow Cycles		
Nickel/Palladium/Gold (Ni/Pd/Au) CU Alloy		/ 1			<b>260</b> C	C 30 seconds 3						
Comments		<u> </u>	-		I			1		ļ		

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		Lev	vol	Substance Category			Substance	CAS	Exempt	Weight	Unit of	Tolera	ince	PPM
	Name		Material	weight	Measure		Lev	ei	Substance Category			Substance	CAS	Exempt	weight	Measure	-	+	FFIVI
+  -	Die	+M -M	Doped Silicon (e	0.5039	mg	+C -	C Sup	plier		+S	-S	Si	7440-21-3		0.5039	mg		:	39,161
+  -	Lead Frame	+M -M	C7025	5.58967	5mg	+C -	C Sup	plier		+S	-S	Cu	7440-50-8		5.3605	mg			416,61
										+S	-s	Si	7440-21-3		0.0405	mg			3,150
						+C -	Св		Nickel (external applic	+S	-s	Nickel	7440-02-0		0.1789	mg			13,902
						+C -	C Sup	plier		+S	-S	Mg	7439-95-4		0.0098	mg			760
		+M -M	Ni/Pd/Au plating	0.14332	5mg	+C -	Св			+S	-S	Nickel	7440-02-0		0.1292	mg			10,044
						+C -	C Sup	plier	middle plating	+S	-S	Pd	7440-05-3		0.0118	mg		!	913
		-				+C -	C Sup	plier	outer plating	+S	-S	Au	7440-57-5		0.0023	mg			182
+  -	Bonding Wire	+M -M	Au	0.1094	mg	+C -	C Sup	plier		+S	-S	Au	7440-57-5		0.1094	mg		1	8,502
+  -	Molding Compound	+М -М	EME-G770HCD	6.28578	mg	+C -	C Sup	plier		+S	-S	Silica Fused	60676-86-0		5.8772	mg			456,77
										+S	-s	Epoxy resin	Proprietary		0.1886	mg			14,656
										+S	-s	Phenol resin	Proprietary		0.1886	mg			14,656
		_								+S	-s	Carbon Black	1333-86-4		0.0314	mg			2,443
+  -	Die attached adhes	+М-М	QMI519	0.21117	2mg	+C -	C Sup	plier		+S	-S	Ag	7440-22-4		0.1689	mg			13,130
										+S	-s	palladium compound	Proprietary		0.0003	mg			25
										+S	-s	2,6-Di-tert-butyl-p-creso	128-37-0		0.00001	mg			1
										+S	-s	Hydroquinone	123-31-9		0.00000	lmg			0.01
										+S	-s	Acrylate	Proprietary		0.0335	mg			2,601
										+S	-s	Bismaleimide resin	Proprietary		0.0063	mg			492
										+S	-s	Polymer of polybutadie	Proprietary		0.0021	mg			164
		+M -M	8006NS	0.023464	lmg	+C	C Sup	plier		+S	-S	Aluminum oxide	1344-28-1		0.008	mg		(	620
										+S	-S	Diethylene glycol mono	112-15-2		800.0	mg			620
										+S	-s	Epoxy resins	Proprietary		0.0066	mg			511

+S -S Amine Proprieta	у 0.0009	mg	73	
-----------------------	----------	----	----	--