	© Co	terial Compo pyright 2005. IPC, Bannoc nternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lower	level part	ts, the	declaratio	n encor	npasses all I		erials for	which t	e item is an assembly he manufacturer has declaration.	
1752-2 1.1		Web Site for Informat	rd	Form T Distrib	•••		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Info								
Supplier Information															
Company Name *		Company Unique ID		Unique ID Au	Ithority	Respons	se Date) *		Response Document ID					
SEMTECH CORPORATIO	ON	00-847-9941		DUNS		2017-01-11									
Contact Name * Roya Motamedi		Title - Contact Supervisor, QA Product Support				Email - Contact * rmotamedi@semtech.com			om	Duplicate Contact -> Authorized Representative					
Authorized Representati Roya Motamedi		Title - Representative Supervisor, QA Prod		Phone - Rep 805-498-211		-	entative emtech.c		Supplier Co	mments or UR	L for Add	ditional I	nformation		
Requester Item Number	r	Mfr Item Number		Mfr Item Name	•	Effective [Date	Version	Manufa	cturing Site	Weight *	UC	DM	Unit Type	
		PClamp1201P.TNT		PowerClamp High-Surge TVS		þ l			China		2.153)	Each	
Alternate Recommenda	ation							Alternate	Item Co	mments					
Manufacturing Proces	ss In	formation													
Terminal Plating / Grid Array	Materi	ial	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ating Pe	ak Proc	ess Body	Temper	ature Max Ti	me at Peak Tem	perature	Number	of Reflow Cycles	
Nickel/Palladium/Gold (Ni/Pd/Au) CU Alloy				1			260 C			30 s	econds	3			
Comments PClamp1201P.TNT is RE	ACH	-compliant product,	per EU Re	egulation EC	1907/2006 to incl	ude rece	nt addi	tion of S	SVHC c	andidate lis	t of substanc	es in Ju	ne 2016	5.	

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	RoHS Material Composition 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	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	Unit of	Tolera	ance	РРМ
	Name		Material	Weight	Measure		Level	oubstance outegory			oubstance		Exempt	Weight	Measure	-	+	
+ -	Die	+M -M	Doped silicon	0.2261	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		0.2261	mg			104,98
+1 -1	Leadframe	+M -M	SGP1610N2 Sub	1.172	mg	+C -C	Supplier	Substrate	+S	-S	Bismaleimide Triazine r	105391-33-1		0.1384	mg			64,273
									+S	-S	Inorganic Filler	21645-51-2		0.0692	mg			32,137
									+S	-s	Continuous Filament Fi	65997-17-3		0.1384	mg			64,273
									+S	-S	Copper	7440-50-8		0.346	mg			160,68
									+S	-S	Acrylic Esters	26376-86-3		0.0803	mg			37,298
									+S	-S	Organic black dye			0.0013	mg			625
									+S	-S	Barium Sulfate	7727-43-7		0.0811	mg			37,659
									+S	-S	Talc	14807-96-6		0.0068	mg			3,151
									+S	-S	Silica crystalline	7631-86-9		0.007	mg			3,233
									+S	-S	Activator			0.0141	mg			6,529
									+S	-S	Amine compound			0.0008	mg			389
									+S	-S	Defoamer			0.0061	mg			2,811
									+S	-S	Dipropyl glycol dinitrate	112-15-2		0.027	mg			12,539
									+S	-S	Heavy aromatic solvent	64742-94-5		0.0277	mg			12,869
									+S	-S	Naphthalene	91-20-3		0.0016	mg			747
		+M -M	NiPdAu plating	0.073	mg	+C -C	В		+S	-S	Nickel	7440-02-0		0.0061	mg			2,840
				•		+C -C	Supplier	middle plating	+S	-s	Pd	7440-05-3		0.0601	mg			27,924
						+C -C	Supplier	outer plating	+S	-S	Au	7440-57-5		0.0071	mg			3,313
+I -I	Bonding wire	+M -M	CuPd	0.008	mg	+C -C	Supplier		+S	-S	Cu	7440-50-8		0.0074	mg			3,433
									+S	-S	Pd	7440-05-3		0.0002	mg			88
+ -	Molding compound	+M -M	EME-G760L	0.808	mg	+C -C	Supplier		+S	-s	Silica (Amorphous) A	60676-8 6-0		0.6265	mg			290,93
									+S	-S	Silica (Amorphous) B	7631-86-9		0.0647	mg			30,032

						+S	-S	Epoxy resin	Proprietary	0.0647	mg				30,032
						+S	-S	Phenol resin	9003-35-4	0.0243	mg				11,262
					+S	-s	Metal Hydroxide	Proprietary	0.0243	mg				11,262	
				+S	-s	Carbon Black	1333-86-4	0.004	mg				1,877		
-	H	-1	Die attached epoxy	+M -I		715F	5	0.092 mg +0	C -C Supplier	•		+S	-S	Silver	

			.,					
+S	-s	Silver			7440-22-4	0.0779	mg	36,169
+S	-S	Bisma	leimide	resin	Proprietary	0.0055	mg	2,568
+S	-S	Modifie	ed epox	xy resin	Proprietary	0.0028	mg	1,284
+S	-S	Acrylic	c resin		Proprietary	0.0028	mg	1,284
+S	-S	Ероху	xy-terminated polya		Proprietary	0.0028	mg	1,284
+S	-s	Methyl	acrylic	acid, Pd(2	Proprietary	0.0005	mg	214