	© Co	terial Compo pyright 2005. IPC, Bannoc International and Pan-Americ	kburn, Illinois	. All rights reserv	tion with lower	level pa	arts, the	declaratio	n encor	mpasses all		iterials for	which t	e item is an assembly he manufacturer has <b>declaration.</b>		
1752-2 1.1		Web Site for Informat		-1752 Standa	rd	Form Type * Declaration Class *   Distribute Class 6 - RoHS Yes/No, Homogeneous Materials							s and Mfg Informat			
Supplier Information																
Company Name *		Company Unique ID		Unique ID Au	Ithority	Respo	nse Date	<del>)</del> *		Response I	Document ID					
SEMTECH CORPORATIO	ON	00-847-9941		DUNS 2			9-29									
Contact Name *Title - ContactRoya MotamediSupervisor, QA Prod			uct Suppo	Phone - Contact * por805-498-2111			Email - Contact * rmotamedi@semtech.com				Duplicate Contact -> Authorized Representative					
Authorized Representati Roya Motamedi		Title - Representative Supervisor, QA Prod		Phone - Rep 805-498-211	Email - Representative * rmotamedi@semtech.com				Supplier Co	omments or UF	RL for Ad	ditional I	nformation			
Requester Item Number	r	Mfr Item Number		Mfr Item Name	•	Effective	e Date	Version	Manufa	acturing Site	Weight *	U	DM	Unit Type		
		PClamp0801P.TNT		PowerClamp	ГМ High-Surge TV				China		2.148	m	g	Each		
Alternate Recommenda	ation							Alternate	Item Co	omments	•	•	-			
Manufacturing Proces	ss In	formation														
Terminal Plating / Grid Array	Materi	ial	Terminal Ba	ase Alloy	J-STD-020 MSL Ra	ating	Peak Proc	ess Body	Temper	ature Max T	Time at Peak Ter	nperature	Number	of Reflow Cycles		
Nickel/Palladium/Gold (	CU Alloy	/ 1			260 C 30 seconds 3						3					
PClamp0801P.TNT is RE	ACH	-compliant product,	per EU Ro	egulation EC	1907/2006 to incl	ude rec	cent addi	ition of S	SVHC c	andidate li	st of substan	ces in Ju	ily 2017			

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>	oHS 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	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		Unit of		Level	Substance Category			Substance	CAS	Exempt	Weight		Tolera	ance	РРМ
	Name		Material		Measure					_					Measure	-	+	
+1 -1	Die +M -	M	Doped Silicon	0.2283	mg	+C -C	Supplier		+S	-S	Si	7440-21-3		0.2283	mg			106,30
+I -I	Substrate SGP1610 +M -	M	Substrate strip	1.0192	mg	+C -C	Supplier		+S	-S	Bismaleimide triazine re	105391-33-1		0.1384	mg			64,436
									+S	-S	Inorganic filler	21645-51-2		0.0692	mg			32,218
									+S	-S	Continuous filament fib	65997-17-3		0.1384	mg			64,436
									+S	-s	Copper	7440-50-8		0.346	mg			161,09
									+S	-s	Acrylic Esters	26376-86-3		0.0803	mg			37,393
									+S	-s	Organic black dye			0.0013	mg			626
									+S	-s	Barium sulfate	7727-43-7		0.0811	mg			37,755
									+S	-s	Talc	14807-96-6		0.0068	mg			3,159
									+S	-s	Silica crystalline	7631-86-9		0.007	mg			3,241
									+S	-s	Activator			0.0141	mg			6,545
									+S	-s	Amine compound			0.0008	mg			390
									+S	-s	Defoamer			0.0061	mg			2,818
									+S	-s	Dipropyl glycol dinitrate	112-15-2		0.027	mg			12,571
									+S	-s	Heavy aromatic solvent	64742-94-5		0.0277	mg			12,902
									+S	-s	Naphthalene	91-20-3		0.0016	mg			749
						+C -C	в	Nickel (external applic	+S	-s	Nickel	7440-02-0		0.0061	mg			2,847
						+C -C	Supplier		+S	-s	Pd	7440-05-3		0.0601	mg	ĺ		27,995
									+S	-s	Au	7440-57-5		0.0071	mg			3,321
+  -	Bonding wire +M -	M	Cu/Pd coated	0.0076	mg	+C -C	Supplier		+S	-s	Cu	7440-50-8		0.0074	mg	·		3,441
	<b>_</b>								+S	-s	Pd	7440-05-3		0.0002	mg			88
+  -	Molding compound +M -	M	EME-G760L	0.813	mg	+C -C	Supplier		+S	-s	Silica (Amorphous) A	60676-86-0	•	0.6301	mg			293,35
	<b>i</b>								+S	-s	Silica (Amorphous) B	7631-86-9		0.065	mg			30,282

						+S	-S	Еро	oxy resin			Pro	prietary		0.065	mg				30,282
						+S	-S	Phenol resin					oprietary	0.0244	mg				11,356	
						+S	-S	Metal hydroxide				Pro	oprietary		0.0244	mg				11,356
						+S	-S	Car	Carbon black			13:	33-86-4		0.0041	mg				1,893
+I	-1	Die attached epoxy	+M	-M	CDF7	715F	28A	8	0.0798	mg	+0	-c	Supplier		•		+S	-s	Silver	

			.,					
+S	-s	Silver			7440-22-4	0.0674	mg	31,393
+S	-S	Bisma	leimide	resin	Proprietary	0.0048	mg	2,229
+S	-S	Modifie	ed epox	y resin	Proprietary	0.0024	mg	1,115
+S	-S	Acrylic	c resin		Proprietary	0.0024	mg	1,115
+S	-S	Ероху	-termina	ated polya	Proprietary	0.0024	mg	1,115
+S	-s	Methal	lacrylic	acid, Pd(2	Proprietary	0.0004	mg	186