	, Bannockburn, Illinoi	Declaration is. All rights reserved under int conventions.	with lower leve	el parts, the	declaratio	n encompas	ses all lowe	er level mater	ials for which	the item is an assembly the manufacturer has s declaration.			
1752-2 1.1 IPC Web Site for I http://www.ipc.or		C-1752 Standard	752 Standard			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat							
Supplier Information													
Company Name * Company Un	ique ID	Unique ID Authority	Re	Response Date *			onse Docu	Iment ID					
Cypress Semiconductor CorpCYPRESS			200	09-12-29									
Contact Name * Title - Contact Richard Oshiro QA Engrg Dir	-	Phone - Contact * 408/943-2102		nail - Contac @cypress.c	-	[Duplicate Contact -> Authorized Representative						
Authorized Representative * Title - Representative * Glorioso Lutrinia EH & S Mana		Phone - Represent 632 8128161		nail - Repres @cypress.c			Supplier Comments or URL for Additional Information http://app.cypress.com/portal/server.pt?space=Communit						
Requester Item Number Mfr Item Numb	er	Mfr Item Name	Effe	ective Date	Version	Manufacturi	ng Site	Weight *	UOM	Unit Type			
TSSOP 16		TSSOP 16	200)9-12-29		OSE Taiwa	n	51	mg	Each			
Alternate Recommendation					Alternate	Item Comme	omments Package QTP No. 043102						
Manufacturing Process Information													
Terminal Plating / Grid Array Material	Terminal E	Base Alloy J-STD-	-020 MSL Rating	Peak Proc	ess Body	Temperature	Max Time a	at Peak Temp	erature Numb	er of Reflow Cycles			
Matte Tin (Sn) Comments	CU Allo	у 3		260				20 sec	conds 3				
Compliant to RoHS Requirements													

Save the fields in this form to a file	Export 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 Cumption Fields					
RoHS Material Composition Declaration Declaration Type * Detailed												
		limit of 0.1% by mass (100 thers (PBDE) and quantity	, .				ominated Biphenyls (PBB),					
chromium, polybrominate excess of an applicable of gathered the information Company will rely on this completing this form, and certifications regarding the conditions of that agreen	ed biphenyls and/or polybrominated quantity limit, please indicate below it provides in this form using approp certification in determining the com I that Supplier may not have independent rein contributions to the part, and the nent, including any warranty rights a	which, if any, RoHS exemption you b priate methods to ensure its accuracy apliance of its products with European andently verified such information. Ho pose certifications are at least as comp	icted substance") in excess believe may apply. If the p y and that such information n Union member state laws bowever, in situations where prehensive as the certification that agreement, will be the s	of the applicable quantity limit bart is an assembly with lower I is true and correct to the best of that implement the RoHS Dire Supplier has not independentl on in this paragraph. If the Co ole and exclusive source of the	identified above. If a homogene- evel components, the declaration of its knowledge and belief, as of ctive. Company acknowledges to y verified information provided by mpany and the Supplier enter into a Supplier's liability and the Comp	eous material within the part cont n shall encompass all such comp f the date that Supplier complete that Supplier may have relied on y others, Supplier agrees that, at to a written agreement with response upany's remedies for issues that a	tains a RoHS restricted substance in ponents. Supplier certifies that it s this form. Supplier acknowledges that					
RoHS Declaration	n * 1 - Item(s) does not contain	RoHS restricted substances per th	he definition above			Supplier Acceptance *	Accepted					
	declared item does not cont Il applicable exemptions.	ain RoHS restricted substanc	es per the definition a	bove except for defined	RoHS exemptions, then s	select the corresponding re	esponse in the RoHS Declaration					
Declaration Si	gnature											
		C 1 1 11 C (1 1)			· • • • • •	T 1: 10 11 1 4	D' i ll i					

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 Measure	Tolerance		РРМ
		Name		Material	weight	Measure			Level	Substance Category			Substance	CAS	Lvempt			-	+	
+I	-I	Leadframe	+M -M	Base Material	15.84	mg	+C	-C	Supplier	Copper	+S	-S	Copper	7440-50-8		14.87	mg		I	293,29
					+C	-C	Supplier	Nickel	+S	-S		*7440-02-0		0.67	mg			13,215		
							+C	-C	Supplier	Magnessium	+S	-S	Magnessium	7739-95-4		0.05	mg			986
							+C	-C	Supplier	Silicon	+S	-S	Silicon	7440-21-3		0.19	mg			3,748
							+C	-C	Supplier	Silver	+S	-S	Silver	7440-22-4		0.06	mg			1,183
+I	-1	Leadfinish	+M -M	External Plating	1.3	mg	+C	-C	Supplier	Tin	+S	-s	Tin	7440-31-5		1.3	mg			25,641
+1	-1	Die Attach	+M -M	Adhesive	0.79	mg	+C	-C	Supplier	Epoxy Resin	+S	-s	Epoxy Resin	Proprietary		0.16	mg			3,156
				•			+C	-C	Supplier	Silver	+S	-s	Silver	7440-22-4		0.59	mg			11,637
							+C	-C	Supplier	Metal	+S	-s	Metal	Proprietary		0.04	mg			789
+1	-1	Die	+M -M	Silicon Die	1.87	mg	+C	-C	Supplier	Silicon	+S	-S	Silicon	7440-21-3		1.87	mg			36,884
+1	-1	Goldwire	+M -M	Interconnect	0.17	mg	+C	-C	Supplier	Gold	+S	-S	Gold	7440-57-5		0.17	mg			3,353
+1	-1	Mold Compound	+M -M	Encapsulation	30.73	mg	+C	-C	Supplier	Epoxy Resin	+S	-S	Epoxy Resin	85954-11-6		1.54	mg			30,375
			_				+C	-C	Supplier	Phenol Resin	+S	-S	Phenol Resin	26834-02-6		1.23	mg			24,260
							+C	-C	Supplier	Aromatic Phosphate	+S	-s	Aromatic Phosphate	Proprietary		0.31	mg			6,114
							+C	-C	Supplier	Silica	+S	-S	Silica	60676-86-4		27.59	mg			544,18
							+C	-C	Supplier	Carbon Black	+S	-S	Carbon Black	1333-86-4		0.06	mg			1,183