CONTRACTOR OF THE CONTRACTOR O	© Cop	terial Compo pyright 2005. IPC, Bannoc ternational and Pan-Ameri	kburn, Illinois	. All rights reserv	tion with lowe	level p	parts, the	declaration	on encor	mpasses	all lowe		ials for v	which th	e item is an assembly ne manufacturer had eclaration.	
IPC-1752-2 v1.02 IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x					rd	- -				eclaration Class * lass 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat						
Supplier Information																
Company Name *		Company Unique ID		Unique ID Au	ıthority	Response I			se Date *			Response Document ID				
AVX CORPORATION		05-889-5921		Dun & Brads	treet	2008-	04-05									
		Title - Contact corporate env. mgr					Email - Contact * doldland@avxus.com				Duplicate Contact -> Authorized Representative					
		Title - Representative corporate env. mgr	e Phone - Representative 18439460241			Email - Representative * doldland@avxus.com				Supplier	r Comm	ents or URL	for Addi	tional Ir	formation	
Requester Item Number		Mfr Item Number		Mfr Item Name	Effectiv	ve Date	Version Man		ufacturing Site		Weight	UON	М	Unit Type		
							2008-04-05			Lanskroun, CZ		15.13	mg		Each	
Alternate Recommendat	ion	ΓPSP		TPSP with NI	LO termination	2003-0	01-01	Alternate	e Item Co	mments	Family	data sheets	encom	pass re	quest	
Manufacturing Process	s Inf	ormation														
Terminal Plating / Grid Array M	lateria	al	Terminal B	ase Alloy	J-STD-020 MSL R	ating	Peak Pro	cess Body	y Temper	ature M	ax Time	at Peak Tempe	erature N	Number (of Reflow Cycles	
Matte Tin (Sn) - with Nickel (Ni) barrier Not App			Not Appl	licable				260 C		10 seconds		onds 3	3			
Comments	<u> </u>		<u> </u>		1		!						!			
Termination is 100% matte	e Sn	over Ni.														

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 changes	Lock Supplier Fields					
RoHS Material Composition Declaration			Declaration Type *	Detailed					
RoHS Directive 2002/95/EC RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.1% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.1% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (1000 PPM) in homogeneral Polybrominated Diphenyl Ethers (PBDE) and quanti				ated Biphenyls (PBB),					
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the pa Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with Europear provided by others in completing this form, and that Supplier may not have independently verified such information. However suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as compreh If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of to source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides Conditions of Sale applicable to such part shall apply.	of the applicable quantity limit rt is an assembly with lower I that such information is true a Union member state laws th in situations where Supplier ensive as the certification in that agreement, including any	identified above. If a homoger evel components, the declaration and correct to the best of its known at implement the RoHS Direction has not independently verified this paragraph.	neous material within the part contains a on shall encompass all such components owledge and belief, as of the date that S ve. Company acknowledges that Suppli information provided by others, Supplier es provided as part of that agreement, wi	RoHS restricted substance in s. upplier completes this form. er may have relied on information agrees that, at a minimum, its ill be the sole and exclusive					
RoHS Declaration * 1 - Item(s) does not contain RoHS restricted substances per the definition above			Supplier Acceptance Accept	ed					
Exemptions: If the declared item does not contain RoHS restricted substances per the definition ababove and checkboxes will appear below. Check all applicable exemptions.	ove except for defined	RoHS exemptions, then	select the corresponding respon	se in the RoHS Declaration					
Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.	7c. Lead in electronic	ceramic parts (e.g. piezo	electronic devices).						
2a. Mercury in straight fluorescent lamps for general purposes not exceeding 10 mg in halophosphate lamps	s compounds in electrical contacts and cadmium plating except for applications ctive 91/338/EEC amending Directive 76/769/EEC relating to restrictions on the of certain dangerous substances and preparations piezoelectronic devices).								
2b. Mercury in straight fluorescent lamps for general purposes not exceeding 5 mg in triphosphate lamps with a normal lifetime									
2c. Mercury in straight fluorescent lamps for general purposes not exceeding 8 mg in triphosphate lamps with long lifetime	10a. Deca BDEin poly	meric applications							
3. Mercury in straight fluorescent lamps for special purposes.	8. Mercury in straight fluorescent lamps for special purposes. 10b. Lead in lead-bronze bearing shells								
4. Mercury in other lamps not specifically mentioned in this list.	11. Lead used in com	pliant pin connector syste	ems.						
5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.	12. Lead as a coating	g material for a thermal co	onduction module c-ring.						
6a. Lead as an alloying element in steel containing up to 0.35% lead by weight.	13a. Lead in optical a	and filter glass.							
6b. Lead as an alloying element in aluminum containing up to 0.4% lead by weight.	13b. Cadmium in opti	cal and filter glass.							
6c. Lead as an alloying element in copper containing up to 4% lead by weight.			o elements for the connection bet nt of more than 80% and less than						
7a. Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).		o complete a viable electr uit Flip Chip packages.	ical connection between semicon	ductor die and carrier					
7b. Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunications.									
Declaration Signature									

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: +P Inserts a New Part +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		14	evel	Substance Category			Substance	CAS	Evemnt	Weight	Unit of	Tolerance		PPM
	Name		Material	Weight	Measure			evei	oubstance outegory			Substance	CAG	Exempt	weight	Measure	-	+	1 1 141
+P -P	TPS P case	+M -N	moulding mass	5.838	mg	+C	-C		resin	+S	Ş	phenol-formald	9003-35-4		5.838	mg	50	50	1,000,0
		+M -N	anode body	5.61	mg	+C	-C		tantalum	+S	-S	tantalum oxide			4.3	mg	50	50	816,62
						+C	-C		tantalum wire	+S	-S	tantalum wire	7440-25-7		0.47	mg	50	50	25,062
						+C	-C		cathode	+S	-S	MnO2	1313-13-9		0.813	mg	50	50	154,34
						+C	-C		barrier	+S	-S	graphite	7782-42-5		0.019	mg	50	50	3,604
						+C	-C		moisture barrier	+S	-S	polymethylhyd	63148-62-9		0.001	mg	50	50	169
						+C	-C		wire protection	+S	-S	teflon	9002-84-0		0.008	mg	50	50	198
		+M -N	silver layer	5	mg	+C	-C		silver	+S	-S	silver particles	7440-22-4		0.474	mg	50	50	948,33
						+C	-C		resin	+S	-S	bisphenol A-(e _l	25068-38-6		0.026	mg	50	50	51,667
		+M -N	silver paste	0.082	mg	+C	-C		silver	+S	-S	silver particles	7440-22-4		0.071	mg	50	50	861,70
						+C	-C		ероху	+S	-S	epoxy resin, Bi	68610-73-1		0.011	mg	50	50	138,29
		+M -N	termination base	2.948	mg	+C	-C		nickel	+S	-S	Ni	7440-02-0		1.238	mg	50	50	420,00
						+C	-C		iron	+S	-S	Fe	7439-89-6		1.71	mg	50	50	580,00
		+M -N	termination plati	0.152	mg	+C	-C		tin	+S	-S	Sn	7440-31-5		0.146	mg	50	50	957,69
						+C	-C		nickel	+S	-S	Ni	7440-02-0		0.003	mg	50	50	21,154
						+C	-C		silver	+S	-S	Ag	7440-22-4		0.003	mg	50	50	21,154

Homogeneous Material Composition Declaration for Electronic Products

Requester Instructions: The requester can optionally include additional substance categories and substances that must be declared for the item on this form. This is in addition to JIG Level A and JIG Level B substances already included for the JIG section. The requester should enter additional substance categories and then enter name of the substance and the CAS number. These entries will be accessible to the supplier via Level drop-down by selecting "Requester". Use the Load "Requester" and Test button to view the entries, just select "Requester" in the Level drop-down list in the previous section.

	Substance Category		Substance	CAS
+C -C		+S -S		
Update	e Level "Requester" aı	nd Test	Clear Level "Re	quester" values