ADDROVATION OCCUMENTATION	© Co	terial Compo pyright 2005. IPC, Bannoc ternational and Pan-Americ	kburn, Illinois	. All rights reserv	tion with lowe	r level	parts, the	declarat	tion enco	mpasses all lo	wer level mat		the item is an assembly the manufacturer has declaration.		
1752-2 1.1	ard		1			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat									
Supplier Information															
Company Name *		Company Unique ID		Unique ID Au	Response Date *				Response Do	cument ID					
AVX CORPORATION		05-889-5921		Dun & Bradstreet			-04-29								
Contact Name *		Title - Contact		Phone - Contact *			Email - Contact *			D 11			D (()		
Dennis Oldland		corporate env. mgr		1843946024	doldl	and@avx	us.com	า	Duplica	te Contact	-> Autnorized	Representative			
Authorized Representative '		Title - Representative		Phone - Representative *		Email - Representative *			Supplier Comments or URL for Additional Information						
Dennis Oldland		corporate env. mgr		18439460241		doldland@avxus.com									
Requester Item Number		Mfr Item Number		Mfr Item Name)	Effecti	ive Date	Version	n Manuf	acturing Site	Weight *	UOM	Unit Type		
				TAP E Case				1	San S	alvador	125	mg	Each		
Alternate Recommendation			TAP E Case	01/01	01/01/2005 Alternat			Item Comments Family data sheets encompass request							
Manufacturing Proces	s Inf	formation				•									
Terminal Plating / Grid Array Material Terminal E			ase Alloy	J-STD-020 MSL F	ating	Peak Pro	cess Boo	dy Tempe	rature Max Tim	e at Peak Tem	nperature Numb	er of Reflow Cycles			
Matte Tin (Sn) - with Nickel (Ni) barrier Not			Not App	licable	N/A		260				10 s	econds 3			
Comments		-													

Save the fields in Import fields from a Clear all of the Lock the fields on this Lock Supplier Fields **Export Data** Import Data Reset Form this form to a file file into this form fields on this form form to prevent changes **RoHS Material Composition Declaration Declaration Type *** Detailed RoHS Directive | RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB). Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium 2002/95/EC Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains 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 part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others. Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply. 1 - Item(s) does not contain RoHS restricted substances per the definition above Supplier Acceptance * Accepted **RoHS Declaration *** Exemptions: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.

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 Dennis Oldland

Digitally signed by Dennis Oldland DN: cn=Dennis Oldland, o=AVX Corporation, ou=Corporate EHS,

Homogeneous Material Composition Declaration for Electronic Products

SubItem 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	Evernt	Weight	Unit of	Tolerance		PPM
	Name		Material	Weight	Measure			Levei	Substance Category			Substance	CAS	Exempt	vveignt	Measure	-	+	FFIVI
+1 -1	TAP E Case	+M -M	anode	27.98	mg	+C	-c	Supplier	Tantalum and its com	+S	-S	Tantalum, metal and all	7440-25-7		23.54	mg	50	50	841,43
		_				+C	-C	Supplier	Manganese and its	+S	-S	Manganous oxide	1344-43-0		3.87	mg	50	50	138,40
						+C	-C	Supplier	Carbon	+S	-S	Carbon	7782-42-5		0.56	mg	50	50	20,158
		+M -M	silver-copper di	2.03	mg	+C	-c	Supplier	Silver /Silver Comp	+S	-S	Silver, Metal	7440-22-5		1.71	mg	50	50	842,19
						+C	-C	Supplier	Copper and its comp	+S	-S	Copper, metal and all	7440-50-8		0.32	mg	50	50	157,80
		+M -M	solder joint	13.53	mg	+C	-C	Supplier	Tin and its compou	+S	Ş	Tin, metal and alloys	7440-31-5		13.06	mg	50	50	964,99
						+C	-C	Supplier	Silver /Silver Comp	+S	-S	Silver, Metal	7440-22-5		0.41	mg	50	50	30,005
						+C	-C	Supplier	Copper and its comp	+S	-S	Copper, metal and all	7440-50-8		0.07	mg	50	50	5,000
		+M -M	wire leads	17.27	mg	+C	-C	Supplier	Iron and its compour	+S	Ş	Iron, metal and alloys	7439-89-6		17.2696	mg	50	50	999,98
						+C	-C	Supplier	Nickel and compou	+S	-S	Ni	'7440-02-0		0.00011	mg	1	1	6
						+C	-C	Supplier	Tin and compounds	+S	-S	Sn	7440-31-5		0.0002	mg	1	1	12
		+M -M	ероху	64.19	mg	+C	-C	Supplier	Silica compounds	+S	-S	Silica, vitreous	60676-86-		28.39	mg	50	50	442,27
						+C	-C	Supplier	Poly(Bisphenol A-c	+S	-S	Poly(Bisphenol A-co-	25036-25-2		28.88	mg	50	50	450,02
						+C	-C	Supplier	3,3',4,4'-Benzophen	+S	-S	3,3',4,4'-Benzophenon	2421-28-5		4.81	mg	50	50	74,997
						+C	-C	Supplier	crystoballite	+S	-s	crystoballite	14464-46		1.92	mg	50	50	29,938
						+C	-C	В	Antimony/Antimony C	+S	-s	Antimony trioxide	1309-64-4		0.18	mg	50	50	2,760