



Material Composition Declaration

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This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x	Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat
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Supplier Information

Company Name * AVX CORPORATION	Company Unique ID 05-889-5921	Unique ID Authority Dun & Bradstreet	Response Date * 2010-03-30	Response Document ID				
Contact Name * Dennis Oldland	Title - Contact corporate env. mgr	Phone - Contact * 18439460241	Email - Contact * doldland@avxus.com	Duplicate Contact -> Authorized Representative				
Authorized Representative * Dennis Oldland	Title - Representative corporate env. mgr	Phone - Representative * 18439460241	Email - Representative * doldland@avxus.com	Supplier Comments or URL for Additional Information				
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
					Lanskroun, CZ	18.67	mg	Each
Alternate Recommendation		TAJS with NILO termination	2003-01-01	Alternate Item Comments	Family data sheets encompass request			

Manufacturing Process Information

Terminal Plating / Grid Array Material Matte Tin (Sn) - with Nickel (Ni) barrier	Terminal Base Alloy Alloy 42	J-STD-020 MSL Rating 1	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 10 seconds	Number of Reflow Cycles 3
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Comments

Save the fields in this form to a file

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RoHS Material Composition Declaration

Declaration Type *

Detailed

RoHS Directive 2002/95/EC **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

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.

RoHS Declaration * 1 - Item(s) does not contain RoHS restricted substances per the definition above

Supplier Acceptance * Accepted

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

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 Name		Homogeneous Material		Weight	Unit of Measure	Level		Substance Category		Substance		CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM		
																		-	+			
+I	-I	TAJ S case		+M	-M	moulding mass	8.601	mg	+C	-C	Supplier	resin	+S	-S	epoxy resin	129915-35-1		2.5803	mg	50	50	300,00
									+C	-C	Supplier	silica	+S	-S	fused silica	60676-86-0		6.0207	mg	50	50	700,00
		+M	-M	anode body	5.314	mg	+C	-C	Supplier	tantalum	+S	-S	tantalum oxide	1314-61-0		3.7	mg	50	50	816,62		
									+C	-C	Supplier	tantalum wire	+S	-S	tantalum wire	7440-25-7		0.89	mg	50	50	25,062
									+C	-C	Supplier	cathode	+S	-S	MnO2	1313-13-9		0.699	mg	50	50	154,34
									+C	-C	Supplier	barrier	+S	-S	graphite	7782-42-5		0.016	mg	50	50	3,604
									+C	-C	Supplier	moisture barrier	+S	-S	polymethylhyd	63148-62-9		0.001	mg	50	50	169
									+C	-C	Supplier	wire protection	+S	-S	teflon	9002-84-0		0.008	mg	50	50	198
		+M	-M	silver layer	0.55	mg	+C	-C	Supplier	silver	+S	-S	silver particles	7440-22-4		0.521	mg	50	50	948,33		
									+C	-C	Supplier	resin	+S	-S	bisphenol A-(e	25068-38-6		0.029	mg	50	50	51,667
		+M	-M	silver paste	0.105	mg	+C	-C	Supplier	silver	+S	-S	silver particles	7440-22-4		0.09	mg	50	50	861,70		
									+C	-C	Supplier	epoxy	+S	-S	epoxy resin, B	68610-73-1		0.015	mg	50	50	138,29
		+M	-M	termination base	3.899	mg	+C	-C	Supplier	nickel	+S	-S	Ni	7440-02-0		1.638	mg	50	50	420,00		
									+C	-C	Supplier	iron	+S	-S	Fe	7439-89-6		2.261	mg	50	50	580,00
		+M	-M	termination plati	0.201	mg	+C	-C	Supplier	tin	+S	-S	Sn	7440-31-5		0.193	mg	50	50	957,69		
									+C	-C	Supplier	nickel	+S	-S	Ni	7440-02-0		0.004	mg	50	50	21,154
									+C	-C	Supplier	silver	+S	-S	Ag	7440-22-4		0.004	mg	50	50	21,154