

 <small>ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®</small>		Material Composition Declaration <small>© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.</small>		<small>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.</small> 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		
Supplier Information									
Company Name * IDT		Company Unique ID		Unique ID Authority		Response Date * 2008-09-23		Response Document ID PGG24	
Contact Name * CS Phek		Title - Contact Engineer		Phone - Contact * 604-613-2538		Email - Contact * csphek@idt.com		<input type="button" value="Duplicate Contact -> Authorized Representative"/>	
Authorized Representative * CS Phek		Title - Representative Engineer		Phone - Representative * 604-613-2538		Email - Representative * csphek@idt.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
			PGG24	2008-09-23	0	ATP	91	mg	Each
	Alternate Recommendation				Alternate Item Comments				
Manufacturing Process Information									
Terminal Plating / Grid Array Material Matte Tin (Sn) - annealed		Terminal Base Alloy CU Alloy		J-STD-020 MSL Rating 1		Peak Process Body Temperature 260 C		Max Time at Peak Temperature 30 seconds	
								Number of Reflow Cycles 3	
Comments									

RoHS Material Composition Declaration

Declaration Type *Simplified

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

Supplier certifies that it gathered the information it provides in this form concerning RoHS restrictive substances 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.

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		+M	-M			+C	-C		+S	-S					-	+				
		PGG24			Mold Compound	56.82	mg			Supplier	Filler			Fused Silica	60676-86-0		50	mg	0.02	0.02	549,47
										Supplier	Binder			Polymeric Resin	Trade Secre		6.53	mg			71,806
										Supplier	Coloring			Carbon Black	1333-86-4		0.28	mg			3,122
					Die Attach Adhes	0.35	mg			Supplier	Filler			Silver	7440-22-4		0.25	mg			2,698
										Supplier	Binder			Epoxy Resin	Trade Secre		0.07	mg			760
										Supplier	Binder			Metal Oxide	Trade Secre		0.01	mg			114
										Supplier	Binder			Hardening Agent	Trade Secre		0.01	mg			114
										Supplier	Binder			Gamma- butyrolactone	96-48-0		0.01	mg			114
					Lead Frame	30.03	mg			Supplier	Copper Alloy			Copper	7440-50-8		29.22	mg			321,11
										Supplier	Copper Alloy			Iron	7439-89-6		0.63	mg			6,920
										Supplier	Copper Alloy			Phophorus	7723-14-0		0.005	mg			50
										Supplier	Copper Alloy			Zinc	7440-66-6		0.02	mg			165
										A	Lead/Lead Compound			Lead	7439-92-1		0.01	mg			99
										Supplier	Silver Plating			Silver	7440-22-4		0.15	mg			1,650
					Lead Finish	1.74	mg			Supplier	Solder Plating			Tin	7440-31-5		1.74	mg			19,100
					Bond Wire	0.46	mg			Supplier	Wire			Gold	7440-57-5		0.46	mg			5,000
					Silicon	1.61	mg			Supplier	Silicon Chip			Silicon	7440-21-3		1.61	mg			17,700