



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 * IDT	Company Unique ID	Unique ID Authority	Response Date * 2010-12-14	Response Document ID CD10				
Contact Name * CS Phek	Title - Contact Engineer	Phone - Contact * 604-613-2538	Email - Contact * csphek@idt.com	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
		CD10	2010-12-14	0	TST	179.28	mg	Each
Alternate Recommendation				Alternate Item Comments				

Manufacturing Process Information

Terminal Plating / Grid Array Material Nickel/Gold (Ni/Au)	Terminal Base Alloy Kovar	J-STD-020 MSL Rating	Peak Process Body Temperature 260 C	Max Time at Peak Temperature seconds	Number of Reflow Cycles
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Comments

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 *

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

+I	-I	Item/SubItem Name	+M	-M	Homogeneous Material	Weight	Unit of Measure	+C	-C	Level	Substance Category	+S	-S	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
																			-	+	
		CD10			Crystal Blank	1.37	mg			Supplier	Quartz			Silicon Oxide	14808-60-7		1.35	mg	0.02	0.02	1,000,000
										Supplier	Electrode			Chromium	7440-47-3		0.000002	mg			92,000
										Supplier	Electrode			Gold	7440-57-5		0.02	mg			908,000
					Package	160.28	mg			Supplier	Ceramics			Aluminum Trioxide	1344-28-1		131.84	mg			900,000
										Supplier	Ceramics			Silicon Oxide	14464-46-1		8.79	mg			60,000
										Supplier	Ceramics			Calcium Oxide	1305-78-8		2.93	mg			20,000
										Supplier	Ceramics			Molybdenum	7439-98-7		2.93	mg			20,000
										Supplier	Kovar Ring			Iron	7439-89-6		1.68	mg			520,400
										Supplier	Kovar Ring			'Nickel	'7440-02-0		0.95	mg			295,900
										Supplier	Kovar Ring			Cobalt	7440-48-4		0.59	mg			183,700
										Supplier	Plating			Gold	7440-57-5		1.69	mg			40,000
										Supplier	Plating			'Nickel	'7440-02-0		2.53	mg			600,000
										Supplier	Metallizing			Tungsten	7440-33-7		1.73	mg			1,000,000
										Supplier	Solder			Silver	7440-22-4		3.28	mg			710,000
										Supplier	Solder			Copper	7440-50-8		1.34	mg			290,000
					Lid	13.37	mg			Supplier	Kovar			Iron	7739-89-6		6.48	mg			485,000
										Supplier	Kovar			'Nickel	'7440-02-0		4.68	mg			350,000
										Supplier	Kovar			Cobalt	7440-48-4		2.14	mg			160,000
										Supplier	Kovar			Manganese	7439-96-5		0.07	mg			5,000
					Adhesive	1.61	mg			Supplier	Metal			Silver	7440-22-4		1.13	mg			700,000
										Supplier	Metal			Palladium	7440-05-3		0.08	mg			50,000
										Supplier	Polymer			Undecane	1120-21-4		0.08	mg			50,000
										Supplier	Polymer			Dodecane	112-40-3		0.08	mg			50,000

					+C	-C	Supplier	Polymer		+S	-S	Silicon Resin	Trade Secre		0.24	mg			150,00
+M	-M	IC Chip	1.14	mg	+C	-C	Supplier	Silicon		+S	-S	Silicon	7440-21-3		1.14	mg			1,000,0
+M	-M	Die Attach Adhes	0.11	mg	+C	-C	Supplier	Metal		+S	-S	Silver	7440-22-4		0.08	mg			796,00
					+C	-C	Supplier	Polymer		+S	-S	Cyanate Ester	Trade Secre		0.02	mg			200,00
					+C	-C	Supplier	Polymer		+S	-S	Trade Secret	Trade Scere		0.01	mg			4,000
+M	-M	Wire	0.26	mg	+C	-C	Supplier	Metal		+S	-S	Gold	7440-57-5		0.26	mg			1,000,0
+M	-M	Capacitor	1.14	mg	+C	-C	Supplier	Ceramic		+S	-S	Alumunium Trioxide	1344-28-1		1.03	mg			30,000
					+C	-C	Supplier	Ni Plating		+S	-S	'Nickel	'7440-02-0		0.08	mg			70,000
					+C	-C	Supplier	Tin Plating		+S	-S	Tin	7440-31-5		0.03	mg			900,00