



## 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 \*

Request/Reply

Declaration Class \*

Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Inform

### Requester Information

Lock Request Fields

Company Name *	Company Unique ID	Unique ID Authority	Request Date*	Request Document ID	Respond By Date
Contact Name *	Contact Title	Contact Phone *	Contact Email *	Requester Comments or URL for Additional Information	
	Environmental Compliance Epp				
My supplier ID	The File Type and Destination fields control how the form is submitted by the supplier. Consult your IT staff for configuration.		File Type	Destination - URL or Email Address	Supplier provides Mfr Item Version & Manufacturing Site.
			PDF		
Item Number *	Item Name	Mfr Item Number *	Mfr Item Name	Mfr Item Version	Manufacturing Site
0603B series		0603B series			

### Supplier Information

Company Name *	Company Unique ID	Unique ID Authority	Response Date *	Response Document ID	
Walsin Technology Corp.			2013-05-13		
Contact Name *	Title - Contact	Phone - Contact *	Email - Contact *	Duplicate Contact -> Authorized Representative	
Joanna		+886-3-475-8711	joanna@passivecomponent		
Authorized Representative *	Title - Representative	Phone - Representative *	Email - Representative *	Supplier Comments or URL for Additional Information	
ST Cheng	Safety&Hygiene Manager	+886-3-475-8711	stcheng@passivecomponent		
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site
0603B series	0603B series				
Alternate Recommendation				Alternate Item Comments	

### Manufacturing Process Information

Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature	Max Time at Peak Temperature	Number of Reflow Cycles
Matte Tin (Sn) - with Nickel (Ni) barrier	Not Applicable	1	260 C	10 seconds	2
Comments					

\* Required Field

CAS Registry Number(R) is a Registered Trademark of the American Chemical Society

Form enabled by Adobe

Save the fields in this form to a file	<input type="button" value="Export Data"/>	Import fields from a file into this form	<input type="button" value="Import Data"/>	Clear all of the fields on this form	<input type="button" value="Reset Form"/>	Lock the fields on this form to prevent changes	<input type="button" value="Lock Supplier Fields"/>
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<b>RoHS Material Composition Declaration</b>	Declaration Type * <span style="border: 1px solid black; padding: 2px;">Detailed</span>
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<b>RoHS Directive</b> 2002/95/EC	<b>RoHS Definition:</b> Q Polybrominated Diphenyl	Fields declaring the status of the item in relation to the RoHS directive	material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), 100 PPM) of homogeneous material for Cadmium
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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 *	<span style="border: 1px solid black; padding: 2px;">1 - Item(s) does not contain RoHS restricted substances per the definition above</span>	Supplier Acceptance * <span style="border: 1px solid black; padding: 2px;">Accepted</span>
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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	ST Cheng	 CN = cn=ST Cheng, o=TYW, ou=TYW, ou=TYW department, email=stcheng@tyw.com.cn, c=CN
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## 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	0603B series	+M	-M	Dielectric ceramic	4.983	mg	+C	-C	Supplier	Barium Titanate(IV)	+S	-S	Barium Titanate(IV)	12047-27-7		4.883	mg											
											+C	-C	Supplier	Yttrium Oxide	+S	-S	Yttrium Oxide	1314-36-9		0.1	mg								
											+M	-M	Inner electrode	0.165	mg	+C	-C	B	Nickel (external app)	+S	-S	Nickel	7440-02-0		0.132	mg			
											+C	-C	Supplier	Barium Titanate(IV)	+S	-S	Barium Titanate(IV)	12047-27-7		0.033	mg								
											+M	-M	Terminal electrode	0.33	mg	+C	-C	Supplier	Copper	+S	-S	Copper	7440-50-8		0.29	mg			
											+C	-C	Supplier	Lead Free Glass Frit	+S	-S	Lead Free Glass Frit	65997-18-4		0.04	mg								
											+M	-M	Under plating	0.011	mg	+C	-C	B	Nickel (external app)	+S	-S	Nickel	7440-02-0		0.011	mg			
											+M	-M	Surface plating	0.011	mg	+C	-C	Supplier	Matte Sn	+S	-S	Matte Sn	7440-31-5		0.011	mg			

## 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 Level "Requester" and Test				Clear Level "Requester" values		