Material Composition Declaration

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.

1752-1.1

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 *
STMicroelectronics

Company Unique ID

Unique ID Authority

Response Date *
NA

Response Document ID

Contact Name *

Title - Contact

Phone - Contact *

Email - Contact *

Authorized Representative *

Title - Representative
GIOVANNI GIACOPELLO

APM MD CHAMPION

Phone - Representative *
NA

Email - Representative *
NA

Requester Item Number
TDE1707BFPT

Mfr Item Number
A5O7*1707EBX

Mfr Item Name

Effective Date
2011-10-06

Version
A

Manufacturing Site
MU1A

Weight *
78

UOM
mg

Unit Type
Each

Alternate Recommendation
SO 08 .15 JEDEC Package

Alternate Item Comments
ECOPACK1/ROHS BSA REF: CD17772316

STMicroelectronics NA

GIOVANNI GIACOPELLO

APM MD CHAMPION

NA NA

Contact  -> Authorized Representative
Duplicate

Manufacturing Process Information

Terminal Plating / Grid Array Material
Nickel/Palladium/Gold (Ni/Pd/Au)

Terminal Base Alloy
CU Alloy

J-STD-020 MSL Rating
3

Peak Process Body Temperature
260 C

Max Time at Peak Temperature
30 seconds

Number of Reflow Cycles
3

DISCLAIMER: While STMicroelectronics has endeavored to provide information which is accurate and up to date, this document and its contents are provided on a strict "as is"
### RoHS Material Composition Declaration

**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**

- 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**

Giovanni Giacopello

*Required Field*
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, Requestor 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
- - 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

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<th>Level</th>
<th>Substance Category</th>
<th>Substance</th>
<th>CAS</th>
<th>Exempt</th>
<th>Weight</th>
<th>Unit of Measure</th>
<th>Tolerance</th>
<th>PPM</th>
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