



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 |
|------------|--|---------------------------|--|

Supplier Information

| | | | | |
|--|---|--|--|---|
| Company Name * Cypress Semiconductor Corp | Company Unique ID CY | Unique ID Authority CY | Response Date * 2019-02-20 | Response Document ID |
| Contact Name * Quality Customer Support Gr | Title - Contact Quality Customer Support Group | Phone - Contact * 6328497500 | Email - Contact * qacs_team@cypress.com | Duplicate Contact -> Authorized Representative |
| Authorized Representative * Jeff Gary Balleca | Title - Representative Sr EHS Engr | Phone - Representative * 6328497500 | Email - Representative * jgtb@cypress.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 |
|--------------------------|------------------|------------------|----------------|-------------------------|----------------------|----------|-----|-----------|
| BZ 36 (6 x 8 mm) | BZ 36 (6 x 8 mm) | BZ 36 (6 x 8 mm) | 2019-02-20 | | Cypress Bangkok (SB) | 69.0881 | mg | Each |
| Alternate Recommendation | | | | Alternate Item Comments | QTP# 164906 | | | |

Manufacturing Process Information

| | | | | | |
|--|---------------------------------|---------------------------|--|--|------------------------------|
| Terminal Plating / Grid Array Material Tin/Silver/Copper (Sn/Ag/Cu) | 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 |
|--|---------------------------------|---------------------------|--|--|------------------------------|

Comments
Direct Material Analysis Test Report : die attach (002-12779); wire (002-26368); mold compound (002-15602); solder ball (002-12803); substrate (002-12810&002-12811)

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Lock Supplier Fields

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

