



Materials Declaration Form

| | | | |
|------------------------|-------------------------------------|------------------------|----------------------------------|
| IPC Form Type * | 1752 Distribute | Version | 2 |
| Sectionals * | Material Info Manufacturing Info | Subsectionals * | A-D <i>* : Required Field</i> |

| Supplier Information | | | |
|------------------------------------|--|-------------------------------|-----------------------------------|
| Company Name * | STMicroelectronics | Response Date * | 2020-07-15 |
| Company Unique ID | NL 008751171B01 | | |
| Contact Name * | Refer to Supplier Comment section | | Refer to Supplier Comment section |
| Contact Phone * | Refer to Supplier Comment section | Contact Email * | Refer to Supplier Comment section |
| Authorized Representative * | Antonella Lanzafame | Representative Title | AMS MD CHAMPION |
| Representative Phone * | Refer to Supplier Comment section | Representative Email * | Refer to Supplier Comment section |
| Supplier Comment | Online Technical Support - STMicroelectronics : http://www.st.com/web/en/support/support.html | | |

Uncertainty Statement

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' and 'as available' basis. STMicroelectronics disclaims all warranties, express or implied related to this document and its contents, including but not limited to implied warranties of completeness, truth, accuracy, merchantability, fitness for a particular purpose and non-infringement. ST shall have no responsibility and assumes no liability for any cost, loss or damage of any kind which could arise, directly or indirectly, from the use or inability to use this document and/or its contents.


Legal Statement

| | | | |
|------------------------------|------|----------------------------|----------|
| Supplier Acceptance * | true | Legal Declaration * | Standard |
|------------------------------|------|----------------------------|----------|

Legal Statement

Supplier certifies that it gathered the provided information and 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. 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(s), 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(s), 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.

| Product | | | | |
|-----------------|---|---------|-----------|------------------|
| Mfr Item Number | Mfr Item Name | Version | Mfr Site | Date |
| VIPER27LN | 9EJG*MV63BB6 | A | Z8GA | 2020-07-15 |
| | Amount | UoM | Unit type | ST ECOPACK Grade |
| | 471 | mg | Each | ECOPACK® 2 |
| Comment | ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant (in each organic material) | | | |

| Manufacturing information | | | | |
|---------------------------|----------------------------------|----------------------|---------|---|
| J-STD-020 MSL Rating | Classification Temp | Nbr of Reflow Cycles | |  life.augmented |
| Not Applicable | Not Applicable | 3 | | |
| Bulk Solder Termination | Terminal Plating | Terminal Base Alloy | Comment | |
| Not Applicable | Nickel/Palladium/Gold (Ni/Pd/Au) | Copper Alloy | | |

| Package Designator | Package Size | Nbr of instances | Shape | |
|--------------------|----------------------|------------------|-------|--|
| DIP | 9.053.326.4 | 7 | Pin | |
| Comment | JG PDIP 7 - MDIP .25 | | | |

| QueryList : RoHS Directive 2011/65/EU-July 2011 Annex II amended by Directive 2015/863-March 2015 | |
|--|-------------|
| Query | Response |
| 1 - Product(s) meets EU RoHS requirement without any exemptions | true |
| 2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply) | false |
| 3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s) | false |
| 4 - Product(s) does not meet EU RoHS requirements and is not under exemptions | false |
| Exemption Id. | Description |
| | |

| QueryList : ELV directive : 2000/53/EC amended 2020/363_March 2020 | |
|---|-------------|
| Query | Response |
| 1 - Product(s) meets EU ELV requirements without any exemptions | true |
| 2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s) | false |
| Exemption Id. | Description |
| | |

| QueryList : California Prop65 list, dated 3rd January 2020 | | | |
|--|------------------------|-------------|----------------|
| Query | | | Response |
| 1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen | | | false |
| 2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen | | | true |
| Substance | amount in product (mg) | Application | ppm in product |
| Nickel | 0.03 | alloy | 53 |
| | | | |

| QueryList : REACH-25th June 2020 | | | | |
|---|-------------------------|--|--|--------------------------------------|
| Query | | | | Response |
| 1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH | | | | true |
| CategoryLevel_Name | CategoryLevel_Threshold | amount in product (mg) | Application | ppm in product |
| | | | | |
| 2 - Product(s) does not contain REACH Substances Of Very High Concern in any Embedded article nor Homogeneous Material above the limits per the definition within REACH | | | | true |
| CategoryLevel_Name | CategoryLevel_Threshold | Amount in Embedded Article / Homogeneous Material (mg) | Application - Article / Homogeneous Material | ppm in Article /Homogeneous Material |
| | | | | |

| QueryList : Korea Chemical Control Act_ 27 Dec 2017 update | | | | |
|--|-------------------------------|--------------------------------------|----------------------------------|---------------------|
| Query | | | | Response |
| The Product does contain at least one of the substances listed in Chemical Control Act | | | | false |
| Substance | Homogeneous Material impacted | Content in Homogeneous Material (mg) | Concentration in the material(%) | Application Purpose |
| | | | | |
| | | | | |
| | | | | |

