



## Materials Declaration Form

|                        |                                     |                        |          |
|------------------------|-------------------------------------|------------------------|----------|
| <b>IPC Form Type *</b> | <b>1752</b><br>Distribute           | <b>Version</b>         | <b>2</b> |
| <b>Sectionals *</b>    | Material Info<br>Manufacturing Info | <b>Subsectionals *</b> | A-D      |

*\* : Required Field*

| Supplier Information               |  |                               |                                   |
|------------------------------------|--|-------------------------------|-----------------------------------|
| <b>Company Name *</b>              | STMicroelectronics   | <b>Response Date *</b>        | 2020-10-13                        |
| <b>Company Unique ID</b>           | NL 008751171B01  |                               |                                   |
| <b>Authorized Representative *</b> | Yves Hallez  | <b>Representative Title</b>   | IMG Material Declaration Champion |
| <b>Representative Phone *</b>      | Refer to Supplier Comment section  | <b>Representative Email *</b> | Refer to Supplier Comment section |
| <b>Supplier Comment</b>            | Online Technical Support - STMicroelectronics :<br><a href="http://www.st.com/web/en/support/support.html">http://www.st.com/web/en/support/support.html</a> |                               |                                   |

**Uncertainty Statement**

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|                        |                              |      |                            |          |
|------------------------|------------------------------|------|----------------------------|----------|
| <b>Legal Statement</b> | <b>Supplier Acceptance *</b> | true | <b>Legal Declaration *</b> | 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       |
| VDS761AA/RW     | ZT14*761KGA3  | A         | THEIL            | 2020-10-13 |
| Amount          | UoM           | Unit type | ST ECOPACK Grade |            |
| 30.5            | mg            | Each      | ECOPACK® 2       |            |

| Manufacturing information |                     |                      |                       |
|---------------------------|---------------------|----------------------|-----------------------|
| J-STD-020 MSL Rating      | Classification Temp | Nbr of Reflow Cycles |                       |
| NAC                       | Not Applicable      | 3                    |                       |
| bulk Solder Termination   | Terminal Plating    | Terminal Base Alloy  | Comment               |
| NAC                       | Not Applicable      | Not Applicable       | DM00756553 / 1F143057 |



| Package Designator | Size                   | Nbr of instances | Shape |
|--------------------|------------------------|------------------|-------|
| Dice               | 8.758 x 7.248          | 149              | FLAT  |
| Comment            | 8" Reconstructed Wafer |                  |       |

| QueryList : RoHS Directive 2011/65/EU- 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015 |          |
|---|----------|
| Query   | Response |
| 1 - Product(s) meets EU RoHS requirement without any exemptions   | true     |
|   |          |

| QueryList : ELV directive : 2000/53/EC amended 2020/363_ March 2020 |          |
|---|----------|
| Query   | Response |
| 1 - Product(s) meets EU ELV requirement without any exemptions      | true     |
|   |          |

| 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 | true     |
|  |          |

| 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     |
| 2 - Product(s) does not contain REACH Substances Of Very High Concern in any Homogeneous Material above the limits per the definition within REACH | true     |

| 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    |

| Material Composition Declaration |                                 |        |     |          | Mfr Item Name      |                                      | ZT14*761KGA3 |        | 30.5000 |     | 1000000.0                                   | 1000000.0                      |
|----------------------------------|---------------------------------|--------|-----|----------|--------------------|--------------------------------------|--------------|--------|---------|-----|---|--------------------------------|
| Homogeneous Material             | Material Group                  | Mass   | UoM | Level    | Substance Category | Substance                            | CAS          | Exempt | Mass    | UoM | Concentration in homogeneous material (ppm) | Concentration in product (ppm) |
| Die                              | M-011 Other inorganic materials | 30.500 | mg  | supplier | die                | Silicon(Si)                          | 7440-21-3    |        | 29.571  | mg  | 969542                                      | 969542                         |
|                                  |                                 |        |     | supplier | metallisation      | Aluminium(Al)                        | 7429-90-5    |        | 0.075   | mg  | 2459  | 2459                           |
|                                  |                                 |        |     | supplier | metallisation      | Copper(Cu)                           | 7440-50-8    |        | 0.155   | mg  | 5082  | 5082                           |
|                                  |                                 |        |     | supplier | metallisation      | Cobalt(Co)                           | 7440-48-4    |        | 0.003   | mg  | 98  | 98                             |
|                                  |                                 |        |     | supplier | metallisation      | Tantalum(Ta)                         | 7440-25-7    |        | 0.077   | mg  | 2525  | 2525                           |
|                                  |                                 |        |     | supplier | metallisation      | Titanium(Ti)                         | 7440-32-6    |        | 0.036   | mg  | 1180  | 1180                           |
|                                  |                                 |        |     | supplier | metallisation      | Tungsten(W)                          | 7440-33-7    |        | 0.005   | mg  | 164   | 164                            |
|                                  |                                 |        |     | supplier | Passivation        | Silicon Nitride (SiN)                | 12033-89-5   |        | 0.144   | mg  | 4721  | 4721                           |
|                                  |                                 |        |     | supplier | passivation        | Silicon Oxide                        | 7631-86-9    |        | 0.336   | mg  | 11016                                       | 11016                          |
|                                  |                                 |        |     | supplier | polymer coating    | Polymer resist (color, planar,µlens) | proprietary  |        | 0.098   | mg  | 3213  | 3213                           |