

| Adesto Technologies - Package Material Declaration Data Sheet |  |                        |       |
|---|--|------------------------|-------|
| Package Code  | 8MA1   | GPC                    | YFG   |
| Package Description   | 8-Pad, 5 x 6 x 0.6 mm Body, Thermally Enhanced Plastic Ultra Thin Dual Flat No-Lead Package (UDFN) |                        |       |
| Lead Finish   | Nickel-Palladium-Gold (NiPdAu)   | J-STD-609 Category     | e4    |
| RoHS Compliant  | Yes  | Green Compliant        | Yes   |
| MSL Rating  | 1  | Max Reflow Temperature | +260c |
| Assembly Location   | External Manufacturing   |                        |       |

| Package Material Declaration |  |             |               |               |                |
|------------------------------|--|-------------|---------------|---------------|----------------|
| Material                     | Substance                                      | CAS #       | Weight (mg)   | Package       |                |
|                              |  |             |               | Percentage    | ppm            |
| Leadframe                    | Copper (Cu)                                    | 7440-50-8   | 20.496        | 41.16         | 411575         |
|                              | Iron (Fe)                                      | 7439-89-6   | 0.505         | 1.01          | 10141          |
|                              | Phosphorous (P)                                | 7723-14-0   | 0.021         | 0.04          | 422            |
|                              | Zinc (Zn)                                      | 7440-66-6   | 0.021         | 0.04          | 422            |
| Integrated Circuit           | Silicon (Si)                                   | 7440-21-3   | 2.969         | 5.96          | 59620          |
| Die Attach                   | silver (Ag)                                    | 7440-22-4   | 0.168         | 0.34          | 3374           |
|                              | 2-Propionic Acid, Methyl Ester Reason Products | Proprietary | 0.040         | 0.08          | 803            |
|                              | Dicyclopentenloxyethyl Methacrylate            | 68586-19-6  | 0.010         | 0.02          | 201            |
|                              | Bis (alpha, alpha-Dimethylbenzyl) Peroxide     | 80-43-3     | 0.001         | 0.00          | 20             |
| Die Pad Plating              | silver (Ag)                                    | 7440-22-4   | 0.621         | 1.25          | 12470          |
| Bond Wire                    | Gold (Au)                                      | 7440-57-5   | 0.062         | 0.12          | 1245           |
| Encapsulation                | Silica   | 60676-86-0  | 20.909        | 41.99         | 419868         |
|                              | Metal Hydroxide                                | Proprietary | 1.405         | 2.82          | 28213          |
|                              | Epoxy Resin - 1                                | Proprietary | 0.888         | 1.78          | 17832          |
|                              | Phenol Resin                                   | Proprietary | 0.888         | 1.78          | 17832          |
|                              | Epoxy Resin - 2                                | Proprietary | 0.518         | 1.04          | 10402          |
|                              | Carbon Black                                   | 1333-86-4   | 0.049         | 0.10          | 984            |
| Terminal Plating             | Nickel (Ni)                                    | 7440-02-0   | 0.211         | 0.42          | 4237           |
|                              | Palladium (Pd)                                 | 7440-05-3   | 0.015         | 0.03          | 301            |
|                              | Gold (Au)                                      | 7440-57-5   | 0.002         | 0.00          | 40             |
| <b>Total</b>                 |  |             | <b>49.799</b> | <b>100.00</b> | <b>1000000</b> |

Adesto Technologies certifies that the material content information provided above is representative and accurate as of the date of this declaration. Adesto Technologies products designated as "RoHS Compliant" or "Green" (defined below) do not exceed the threshold limits of the European Union Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, and the China Administration on Control of Pollution by Electronic Information Products (China RoHS).

Adesto Technologies has taken commercially reasonable steps to provide representative and accurate information, but may not have conducted chemical analysis or destructive testing on incoming materials. Adesto Technologies and its suppliers consider certain information to be proprietary and thus CAS numbers and other limited information may not be available for release. Adesto Technologies accepts no duty to notify or update users of any changes made to this declaration. Adesto Technologies standard Terms and Conditions apply to the representations provided herein unless otherwise provided by a written contract or other agreement signed by both parties.

| Restriction on Use of Hazardous Substances ("RoHS")                    |                              |
|--|------------------------------|
| RoHS Restricted Substances   | Threshold, Homogeneous Level |
| Cadmium (Cd)   | < 100 ppm                    |
| Hexavalent Chromium (CrVI)   | < 1000 ppm                   |
| Lead (Pb)  | < 1000 ppm                   |
| Mercury (Hg)   | < 1000 ppm                   |
| Polybrominated Biphenyls (PBBs)  | < 1000 ppm                   |
| Polybrominated Diphenyl Ethers (PBDEs)                                 | < 1000 ppm                   |
| Halogen Free Specifications (IEC 61249-2-21, JPCA-ES01 2003, IPC 4101) |                              |
| Halogen Restricted Substances  | Threshold, Homogeneous Level |
| Chlorine (Cl)  | < 900 ppm                    |
| Bromine (Br)   | < 900 ppm                    |
| Total concentration of Bromine (Br) + Chlorine (Cl)                    | < 1500 ppm                   |