

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

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| ECS Model Number | ECX-2236Q (-36Q Package Type) |
| Product Description | SMD Crystal |
| Product Revision | |
| Product Total Weight | 0.011549g/pcs |



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|---------------------|--------------|---------------------------------------|
| Contact Information | Company | ECS INC. INTERNATIONAL |
| | Contact Name | AJ Anderson |
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| Homogenous Component/Subcomponent | Homogenous Component/Subcomponent Weight (g) | Substance | CAS number | Substance Weight (g) | PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000) | Purpose/Location |
|-----------------------------------|--|---|------------|----------------------|---|--------------------|
| Base | 0.0075 | Alumina-Al ₂ O ₃ | 1344-28-1 | 0.003689 | 319422 | Ceramic |
| | | Silica-SiO ₂ | 14808-60-7 | 0.000124 | 10737 | Ceramic |
| | | Titanium oxide-TiO ₂ | 13463-67-7 | 0.000023 | 1992 | Ceramic |
| | | Magnesia-MgO | 1309-48-4 | 0.000022 | 1905 | Ceramic |
| | | Calcia-CaO | 1305-78-8 | 0.000021 | 1818 | Ceramic |
| | | Chromium oxide-Cr ₂ O ₃ | 1308-38-9 | 0.000221 | 19136 | Ceramic |
| | | Tungsten-W | 7440-33-7 | 0.000801 | 69357 | Electric conductor |
| | | Molybdenum-Mo | 7439-98-7 | 0.000025 | 2165 | Electric conductor |
| | | Silver-Ag | 7440-22-4 | 0.000340 | 29440 | Brazing material |
| | | Copper-Cu | 7440-50-8 | 0.000132 | 11430 | Brazing material |
| | | Iron-Fe | 7439-89-6 | 0.001009 | 87367 | Kovar ring |
| | | Nickel-Ni | 7440-02-0 | 0.000496 | 42947 | Kovar ring |
| | | Cobalt-Co | 7440-48-4 | 0.000317 | 27448 | Kovar ring |
| | | Nickel-Ni | 7440-02-0 | 0.000202 | 17491 | Ni plating |
| | | Cobalt-Co | 7440-48-4 | 0.000067 | 5801 | Ni plating |
| Cover | 0.00346 | Gold-Au | 7440-57-5 | 0.000049 | 4243 | Au plating |
| | | Iron | 7439-89-6 | 0.001846 | 159841 | Alloy |
| | | Nickel | 7440-02-0 | 0.001003 | 86847 | Alloy |
| | | Cobalt | 7440-48-4 | 0.000588 | 50913 | Alloy |
| | | Manganese Mn | 7439-96-5 | 0.000017 | 1472 | Alloy |
| | | Silicone Si | 7440-21-3 | 0.000007 | 606 | Alloy |
| | | Carbon C | 7440-44-0 | 0.000001 | 87 | Alloy |
| Crystal Blank | 0.000409 | Silica SiO ₂ | 14808-60-7 | 0.000409 | 35414 | Quartz crystal |
| Evaporation | 0.000039 | Gold-Au | 7440-57-5 | 0.000038000 | 3290 | Electrode |
| | | Chromium Cr | 7440-47-3 | 0.000001000 | 87 | Electrode |
| Electro Conductive Adhesive | 0.000101 | Silver Ag | 7440-22-4 | 0.000076 | 6581 | Connect |
| | | Silicone Resin | 7440-21-3 | 0.000025 | 2165 | Support |