

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

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| ECS Model Number | ECX-1637B (-37B Package Type) |
| Product Description | SMD Crystal |
| Product Revision | |
| Product Total Weight | 0.006830g/pcs |



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| Contact Information | Company | ECS INC. INTERNATIONAL |
| | Contact Name | AJ Anderson |
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| | Phone Number | 913-782-7787 |

| Homogenous Component/Subcomponent | Homogenous Component/Subcomponent Weight (g) | Substance | CAS number | Substance Weight (g) | PPM Level (If Available) (Substance Weight/Total Homogenous Component or | Purpose/Location |
|-----------------------------------|--|---|------------|----------------------|--|--------------------|
| Base | 0.003780 | Alumina-Al ₂ O ₃ | 1344-28-1 | 0.002776 | 406442 | Ceramic |
| | | Silica-SiO ₂ | 14808-60-7 | 0.000093 | 13616 | Ceramic |
| | | Titanium oxide-TiO ₂ | 13463-67-7 | 0.000017 | 2489 | Ceramic |
| | | Magnesia-MgO | 1309-48-4 | 0.000016 | 2343 | Ceramic |
| | | Calcia-CaO | 1305-78-8 | 0.000016 | 2343 | Ceramic |
| | | Chromium oxide-Cr ₂ O ₃ | 1308-38-9 | 0.000167 | 24451 | Ceramic |
| | | Tungsten-W | 7440-33-7 | 0.000513 | 75110 | Electric conductor |
| | | Molybdenum-Mo | 7439-98-7 | 0.000017 | 2489 | Electric conductor |
| | | Nickel-Ni | 7440-02-0 | 0.000095 | 13909 | Ni plating |
| | | Cobalt-Co | 7440-48-4 | 0.000041 | 6003 | Ni plating |
| Cover | 0.002600 | Gold-Au | 7440-57-5 | 0.000029 | 4246 | Au plating |
| | | Iron | 7439-89-6 | 0.001092 | 159883 | Alloy |
| | | Nickel | 7440-02-0 | 0.000702 | 102782 | Alloy |
| | | Cobalt | 7440-48-4 | 0.000338 | 49488 | Alloy |
| | | Gold-Au | 7440-57-5 | 0.000364 | 53294 | Alloy |
| Crystal Blank | 0.000318 | Tin | 7440-31-5 | 0.000104 | 15227 | Alloy |
| | | Silica SiO ₂ | 14808-60-7 | 0.000318 | 46559 | Quartz crystal |
| Evaporation | 0.000031 | Gold-Au | 7440-57-5 | 0.000030000 | 4392 | Electrode |
| | | Chromium Cr | 7440-47-3 | 0.000001000 | 146 | Electrode |
| Electro Conductive Adhesive | 0.000101 | Silver Ag | 7440-22-4 | 0.000076 | 11127 | Connect |
| | | Silicone | 7440-21-3 | 0.000025 | 3660 | Support |