

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

| | |
|----------------------|---------------------------|
| ECS Model Number | ECX-53 (-30 Package Type) |
| Product Description | SMD Crystal |
| Product Revision | |
| Product Total Weight | 0.077g/pcs |



| | | |
|---------------------|--------------|---------------------------------------|
| Contact Information | Company | ECS INC. INTERNATIONAL |
| | Contact Name | AJ Anderson |
| | Address | 1105 S. Ridgeview Olathe, KS 66062 |
| | 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 Subcomponent Weight*1000000) | Purpose/Location |
|-----------------------------------|--|---|------------|----------------------|---|--------------------|
| 5032 PKG | 0.0330 | Alumina-Al ₂ O ₃ | 1344-28-1 | 0.018975 | 246429 | Ceramic |
| | | Silica-SiO ₂ | 14808-60-7 | 0.000627 | 8143 | Ceramic |
| | | Titanium oxide-TiO | 13463-67-7 | 0.000132 | 1714 | Ceramic |
| | | Magnesia-MgO | 1309-48-4 | 0.000099 | 1286 | Ceramic |
| | | Calcia-CaO | 7440-70-2 | 0.000099 | 1286 | Ceramic |
| | | Chromium oxide-Cr ₂ O ₃ | 1308-38-9 | 0.001155 | 15000 | Ceramic |
| | | Tungsten-W | 7440-33-7 | 0.002376 | 30857 | Electric conductor |
| | | Molybdenum-Mo | 7439-98-7 | 0.000066 | 857 | Electric conductor |
| | | Silver-Ag | 7440-22-4 | 0.000957 | 12429 | Brazing material |
| | | Copper-Cu | 7440-50-8 | 0.000363 | 4714 | Brazing material |
| | | Iron-Fe | 7439-89-6 | 0.003795 | 49286 | Kovar ring |
| | | Nickel-Ni | 7440-02-0 | 0.002046 | 26571 | Kovar ring |
| | | Cobalt-Co | 7440-48-4 | 0.001188 | 15429 | Kovar ring |
| | | Nickel-Ni | 7440-02-0 | 0.000594 | 7714 | Ni plating |
| Cobalt-Co | 7440-48-4 | 0.000231 | 3000 | Ni plating | | |
| Gold-Au | 7440-57-5 | 0.000297 | 3857 | Au plating | | |
| LID | 0.023 | Iron | 7439-89-6 | 0.0122429 | 158999 | Alloy |
| | | Nickel | 7440-02-0 | 0.0067827 | 88087 | Alloy |
| | | Cobalt | 7440-48-4 | 0.0038548 | 50062 | Alloy |
| | | Mn | 7439-96-5 | 0.0000897 | 1165 | Alloy |
| | | Silicone Si | 7440-21-3 | 0.0000184 | 239 | Alloy |
| | | Copper Cu | 7440-50-8 | 0.0000115 | 149 | Alloy |
| Blank | 0.003 | Silica SiO ₂ | 14808-60-7 | 0.003 | 38961 | Quartz crystal |
| Silver | 0.013 | Silver Ag | 7440-22-4 | 0.012999116 | 168820 | Electrode |
| | | Copper Cu | 7440-50-8 | 0.000000884 | 11 | Electrode |
| Epoxy | 0.005 | Silver Ag | 7440-22-4 | 0.00425 | 55195 | Connect |
| | | Silicone Resin | 67763-03-5 | 0.00075 | 9740 | Support |