

| Breakdown of component | Material Name | Substance Name | CAS No. | Substance Mass | | Material Mass (wt%) |
|------------------------|---------------|---|--------------|-----------------|--------|---------------------|
| | | | | (mg) | (wt%) | |
| Lid | Kovar Lid | Nickel (Ni) | 7440-02-0 | 0.63228 | 30.0 | 4.4344 |
| | | Cobalt (Co) | 7440-48-4 | 0.36883 | 17.5 | 2.5867 |
| | | Iron (Fe) | 7439-89-6 | 1.10649 | 52.5 | 7.7602 |
| Blank | Crystal Blank | Silicon dioxide (SiO2) | 14808-60-7 | 0.57455 | 99.97 | 4.0295 |
| | | Aluminum oxide (Al2O3) | 1344-28-1 | 0.00008 | 0.014 | 0.0006 |
| | | Ferric oxide (Fe2O3) | 1309-37-1 | 0.00009 | 0.016 | 0.0006 |
| Base | Ceramic | Aluminum oxide (Al2O3) | 1344-28-1 | 5.8105 | 90.0 | 40.7510 |
| | | Silicon oxide (SiO2) | 7631-86-9 | 0.3874 | 6.0 | 2.7167 |
| | | Chromium oxide (Cr2O3) | 1308-38-9 | 0.1291 | 2.0 | 0.9056 |
| | | Molybdenum (Mo) | 7439-98-7 | 0.1291 | 2.0 | 0.9056 |
| | Metallizing | Tungsten (W) | 7440-33-7 | 1.7522 | 100.0 | 12.2887 |
| | Seal ring | Iron (Fe) | 7439-89-6 | 1.0768 | 53.0 | 7.5522 |
| | | Nickel (Ni) | 7440-02-0 | 0.5892 | 29.0 | 4.1323 |
| | | Cobalt (Co) | 7440-48-4 | 0.3657 | 18.0 | 2.5649 |
| | Solder | Silver (Ag) | 7440-22-4 | 0.3847 | 71.0 | 2.6979 |
| | | Copper (Cu) | 7440-50-8 | 0.1571 | 29.0 | 1.1020 |
| | Ni Plate | Nickel (Ni) | 7440-02-0 | 0.0271 | 100.0 | 0.1900 |
| | Au Plate | Gold (Au) | 7440-57-5 | 0.0271 | 100.0 | 0.1900 |
| IC | Wafer | Silicon(Si) | 7440-21-3 | 0.2622 | 100.0 | 1.8392 |
| | D/B adhesive | Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica | 68909-20-6 | 0.1851 | 40.0 | 1.2984 |
| | | Fatty acids, C18-unsatd., dimers, hydrogenated, di-Me esters, hydrogenated, bis(2,5-dihydro-2,5-dioxo-1H- pyrrole | NA | 0.1388 | 30.0 | 0.9738 |
| | | Filler | Trade Secret | 0.0694 | 15.0 | 0.4869 |
| | | Acrylate monomer | Trade Secret | 0.0231 | 5.0 | 0.1623 |
| | | Epoxy resin | Trade Secret | 0.0231 | 5.0 | 0.1623 |
| | Additive | Trade Secret | 0.0231 | 5.0 | 0.1623 | |
| Au wire | Gold(Au) | 7440-57-5 | 0.0091 | 100.0 | 0.0635 | |
| Adhesive | DOTITE | Silver (Ag) | 7440-22-4 | 0.000122 | 76.3 | 0.0009 |
| | | Silicone Resin | NA | 0.0000234 | 14.6 | 0.00016 |
| | | n-Dodecane (C12H26) | 112-40-3 | 0.0000133 | 8.3 | 0.00009 |
| | | Alkoxysilane (C11H22O4Si) | 3388-04-3 | 0.0000013 | 0.8 | 0.00001 |
| Electrode | Ag | Silver (Ag) | 7440-22-4 | 0.00591 | 100.0 | 0.0415 |
| TOTAL | | | | 14.25851 | | 100.0000 |