

## Full Material Declaration

### 物質宣告表

| Customer name   | 碩望科技股份有限公司 NeoView Technology Inc. |                              |                      |                                                    |                                                                      |                        |                  |
|-----------------|------------------------------------|------------------------------|----------------------|----------------------------------------------------|----------------------------------------------------------------------|------------------------|------------------|
| Manufacure name | Innolux Corporation                |                              |                      | Issue Date<br>(yyyy/mm/dd)                         | 2024/1/16                                                            |                        |                  |
| Model name      | G156HCE-LH1                        |                              |                      | Product weight (g)                                 | 1200                                                                 |                        |                  |
| Contact person  | Hank Chen                          |                              |                      | E-mail address                                     | <a href="mailto:gpm-service@innolux.com">gpm-service@innolux.com</a> |                        |                  |
| Part Name       | Part mass<br>(g)                   | Homogeneous<br>Material name | Material<br>mass (g) | Substance name                                     | CAS No.                                                              | weigh% of<br>substance | Remark           |
| Glass           | 289.384                            | Glass                        | 289.38358            | Fiber Glass Wool                                   | 65997-17-3                                                           | 100.0                  |                  |
| PF CF           | 9.62                               | ACRYLIC FILM                 | 2.06                 | Others                                             | -                                                                    | 99.97                  | Methacrylate     |
|                 |                                    |                              |                      | Methanol                                           | 67-56-1                                                              | 0.02                   |                  |
|                 |                                    |                              |                      | Zinc acetate; Zinc<br>acetate dihydrate;           | 5970-45-6                                                            | 0.01                   |                  |
|                 |                                    | ADHESIVE                     | 1.58                 | Others                                             | -                                                                    | 99.99                  | Acrylic adhesive |
|                 |                                    |                              |                      | Toluene                                            | 108-88-3                                                             | 0.01                   |                  |
|                 |                                    | PVA FILM                     | 1.86                 | Ethenol, homopolymer,<br>ester with boric acid;    | 55199-96-7                                                           | 99.678                 |                  |
|                 |                                    |                              |                      | Boric acid; Orthoboric<br>acid; Boron trihydroxide | 10043-35-3 /<br>11113-50-1                                           | 0.25                   |                  |
|                 |                                    |                              |                      | Iodine;                                            | 7553-56-2                                                            | 0.072                  |                  |
|                 |                                    | SURFACE TAC FILM             | 4.12                 | triacetate cellulose film<br>bas                   | 9012-09-3                                                            | 88.3823                |                  |
|                 |                                    |                              |                      | Dichloromethane                                    | 75-09-2                                                              | 0.0622                 |                  |
|                 |                                    |                              |                      | Triphenylphosphate                                 | 115-86-6                                                             | 0.4444                 |                  |

|        |       |                  |       |                                                 |                         |         |                                  |
|--------|-------|------------------|-------|-------------------------------------------------|-------------------------|---------|----------------------------------|
|        |       |                  |       | Others                                          | -                       | 11.1101 | Acrylic urethane hard coat resin |
|        |       |                  |       | Dibutyltin (DBT) and its compounds              | -                       | 0.0010  |                                  |
| PF TFT | 9.91  | ACRYLIC FILM     | 2.04  | Others                                          | -                       | 99.97   | Methacrylate                     |
|        |       |                  |       | Methanol                                        | 67-56-1                 | 0.02    |                                  |
|        |       |                  |       | Zinc acetate; Zinc acetate dihydrate;           | 5970-45-6               | 0.01    |                                  |
|        |       | ADHESIVE         | 1.57  | Others                                          | -                       | 99.99   | Acrylic adhesive                 |
|        |       |                  |       | Toluene                                         | 108-88-3                | 0.01    |                                  |
|        |       | PVA FILM         | 1.85  | Ethenol, homopolymer, ester with boric acid;    | 55199-96-7              | 99.678  |                                  |
|        |       |                  |       | Boric acid; Orthoboric acid; Boron trihydroxide | 10043-35-3 / 11113-50-1 | 0.25    |                                  |
|        |       |                  |       | Iodine;                                         | 7553-56-2               | 0.072   |                                  |
|        |       | SURFACE TAC FILM | 4.45  | triacetate cellulose film bas                   | 9012-09-3               | 84.6213 |                                  |
|        |       |                  |       | Dichloromethane                                 | 75-09-2                 | 0.0596  |                                  |
|        |       |                  |       | Triphenylphosphate                              | 115-86-6                | 0.4255  |                                  |
|        |       |                  |       | Others                                          | -                       | 14.8931 | Acrylic urethane hard coat resin |
|        |       |                  |       | Dibutyltin (DBT) and its compounds              | -                       | 5.0E-4  |                                  |
| LN     | 22.5  | film             | 22.5  | Poly(ethylene terephthalate);PET                | 25038-59-9              | 90.0    |                                  |
|        |       |                  |       | Bisphenol A ethoxylate dimethacrylate           | 41637-38-1              | 10.0    |                                  |
| RP     | 22.59 | Film             | 22.59 | Others                                          | -                       | 85.0    | Polycarbonate Film               |
|        |       |                  |       | Others                                          | -                       | 10.0    | Polyester Film                   |
|        |       |                  |       | Others                                          | -                       | 5.0     | Adhesive/<br>Confidential        |

|       |        |                |         |                                                                                    |            |         |                                                    |
|-------|--------|----------------|---------|------------------------------------------------------------------------------------|------------|---------|----------------------------------------------------|
| DD    | 15     | Diffuser       | 15      | Poly(ethylene terephthalate);PET                                                   | 25038-59-9 | 92.9673 |                                                    |
|       |        |                |         | Antimony trioxide;<br>Diantimony trioxide;<br>Antimony(III) oxide;                 | 1309-64-4  | 0.0327  |                                                    |
|       |        |                |         | Others                                                                             | -          | 7.0     | Acrylic resin ;<br>Confidential                    |
| RN    | 11.659 | Reflector Film | 11.659  | Poly(ethylene terephthalate);PET                                                   | 25038-59-9 | 60.0    |                                                    |
|       |        |                |         | Others                                                                             | -          | 18.0    | Polyester Resin;<br>CAS<br>nondisclosure<br>due to |
|       |        |                |         | Others                                                                             | -          | 18.0    | Polyolefin Resin;<br>CAS<br>undisclosure<br>due to |
|       |        |                |         | Barium sulfate;BaSO4                                                               | 7727-43-7  | 4.0     |                                                    |
| LGP-P | 174.2  | LGP            | 174.2   | Carbonic dichloride,<br>polymer with 4,4'-(1-<br>methylethylidene)bis[ph<br>enol]; | 25971-63-5 | 100.0   |                                                    |
| LED   | 0.011  | Chip           | 0.00121 | Indium Tin Oxide                                                                   | 50926-11-9 | 0.052   |                                                    |
|       |        |                |         | Gallium, Liquid gallium,<br>Ga                                                     | 7440-55-3  | 4.646   |                                                    |
|       |        |                |         | Indium;INE 07PB                                                                    | 7440-74-6  | 2.463   |                                                    |
|       |        |                |         | Nitrogen, Diatomic nitrog<br>N2                                                    | 7727-37-9  | 1.796   |                                                    |
|       |        |                |         | Aluminum oxide;                                                                    | 1344-28-1  | 88.717  |                                                    |
|       |        |                |         | Chromium                                                                           | 7440-47-3  | 0.0010  |                                                    |
|       |        |                |         | Gold                                                                               | 7440-57-5  | 0.502   |                                                    |
|       |        |                |         | Titanium                                                                           | 7440-32-6  | 0.019   |                                                    |
|       |        |                |         | Platinum                                                                           | 7440-06-4  | 0.044   |                                                    |

|  |  |              |         |                                                                                         |            |        |                                                                                                  |
|--|--|--------------|---------|-----------------------------------------------------------------------------------------|------------|--------|--------------------------------------------------------------------------------------------------|
|  |  |              |         | Aluminium;                                                                              | 7429-90-5  | 0.011  |                                                                                                  |
|  |  |              |         | Titanium dioxide                                                                        | 13463-67-7 | 0.912  |                                                                                                  |
|  |  |              |         | Silica, Crystalline                                                                     | 14808-60-7 | 0.837  |                                                                                                  |
|  |  | Housing      | 0.00275 | 1L,3,5-<br>tris(oxiranylmethyl)-<br>1L,3,5-triazine-<br>2,4,6(1H,3H,5H)-trione;<br>TGIC | 2451-62-9  | 2.31   | 185degC,<br>Molding Time:<br>90s, Post-mold<br>cure: 150 degC<br>x 2hr ,故經成型<br>高溫后不會殘留<br>于產品中。 |
|  |  |              |         | Others                                                                                  | -          | 9.6    | Alicyclic<br>anhydride(Trade<br>secret)                                                          |
|  |  |              |         | Titanium dioxide                                                                        | 13463-67-7 | 78.69  |                                                                                                  |
|  |  |              |         | Silicon dioxide;Silica                                                                  | 60676-86-0 | 9.4    |                                                                                                  |
|  |  | Lead Frame-5 | 0.0022  | Copper (metallic)                                                                       | 7440-50-8  | 97.52  |                                                                                                  |
|  |  |              |         | Iron;                                                                                   | 7439-89-6  | 2.3    |                                                                                                  |
|  |  |              |         | Zinc                                                                                    | 7440-66-6  | 0.09   |                                                                                                  |
|  |  |              |         | Phosphorus                                                                              | 7723-14-0  | 0.09   |                                                                                                  |
|  |  | Plating-3    | 0.00055 | Silver;                                                                                 | 7440-22-4  | 100.0  |                                                                                                  |
|  |  | Wire         | 0.00055 | Gold                                                                                    | 7440-57-5  | 99.999 |                                                                                                  |
|  |  |              |         | Others                                                                                  | -          | 0.0010 | Trade Secret                                                                                     |
|  |  | Silicone     | 0.00297 | Others                                                                                  | -          | 47.5   | Alkenyl group-<br>containing<br>siloxane<br>compound                                             |
|  |  |              |         | Others                                                                                  | -          | 22.5   | SiH group-<br>containing<br>compound A                                                           |

|          |        |           |          |                                                                                                                               |             |         |                                   |
|----------|--------|-----------|----------|-------------------------------------------------------------------------------------------------------------------------------|-------------|---------|-----------------------------------|
|          |        |           |          | Others                                                                                                                        | -           | 11.0    | SiH group-containing compound B   |
|          |        |           |          | Others                                                                                                                        | -           | 4.0     | Aryl group-containing compound    |
|          |        |           |          | Others                                                                                                                        | -           | 2.5     | Trade Secret                      |
|          |        |           |          | Others                                                                                                                        | -           | 12.5    | Alkenyl group-containing compound |
|          |        | Phosphor  | 0.00077  | Aluminum cerium yttrium oxide                                                                                                 | 163584-80-3 | 100.0   |                                   |
| IC G-COG | 9      | Au Bump   | 0.4473   | Gold                                                                                                                          | 7440-57-5   | 98.16   |                                   |
|          |        |           |          | Tungsten;                                                                                                                     | 7440-33-7   | 1.75    |                                   |
|          |        |           |          | Titanium                                                                                                                      | 7440-32-6   | 0.09    |                                   |
|          |        | Wafer     | 8.5527   | Silicon;                                                                                                                      | 7440-21-3   | 99.6419 |                                   |
|          |        |           |          | Arsenic                                                                                                                       | 7440-38-2   | 1.0E-4  |                                   |
|          |        |           |          | Boron;                                                                                                                        | 7440-42-8   | 0.0030  |                                   |
|          |        |           |          | Phosphorus                                                                                                                    | 7723-14-0   | 0.0030  |                                   |
|          |        |           |          | Aluminium;                                                                                                                    | 7429-90-5   | 0.15    |                                   |
|          |        |           |          | Titanium                                                                                                                      | 7440-32-6   | 0.1     |                                   |
|          |        |           |          | Copper (metallic)                                                                                                             | 7440-50-8   | 0.0020  |                                   |
|          |        |           |          | Tungsten;                                                                                                                     | 7440-33-7   | 0.1     |                                   |
| IC S-COF | 0.1292 | Au Bump   | 0.000125 | Gold                                                                                                                          | 7440-57-5   | 98.16   |                                   |
|          |        |           |          | Tungsten;                                                                                                                     | 7440-33-7   | 1.75    |                                   |
|          |        |           |          | Titanium                                                                                                                      | 7440-32-6   | 0.09    |                                   |
|          |        | Base film | 0.056175 | [5,5'-Biisobenzofuran]-1,1',3,3'-tetrone, polymer with 1,4-benzenediamine;poly(bi phenyltetracarboxylic dianhydride-co-phenyl | 29319-22-0  | 99.3    |                                   |

|  |  |        |          |                                                                                             |            |      |                                                  |
|--|--|--------|----------|---------------------------------------------------------------------------------------------|------------|------|--------------------------------------------------|
|  |  |        |          | Silicon dioxide                                                                             | 7631-86-9  | 0.7  |                                                  |
|  |  | Copper | 0.041197 | Copper (metallic)                                                                           | 7440-50-8  | 99.0 |                                                  |
|  |  |        |          | Nickel                                                                                      | 7440-02-0  | 0.5  |                                                  |
|  |  |        |          | Chromium                                                                                    | 7440-47-3  | 0.5  |                                                  |
|  |  | Resin  | 0.003596 | N,N-DIGLYCIDYL-4-GLYCIDYLOXYANILINE ;4-(2-Oxiranylmethoxy)-N,N-bis(2-oxiranylmethyl)aniline | 5026-74-4  | 20.0 |                                                  |
|  |  |        |          | Phenolic epoxy resin F-44; Formaldehyde, polymer with (chloromethyl) oxirane                | 9003-36-5  | 15.0 |                                                  |
|  |  |        |          | Solvent black 7;C.I. 50415:1                                                                | 8005-02-5  | 1.0  |                                                  |
|  |  |        |          | Others                                                                                      | -          | 60.0 | Acid anhydride type hardener酸酐型固化剂,非INX文件管控酸酐類物質 |
|  |  |        |          | Others                                                                                      | -          | 4.0  | Additives(trade secret)                          |
|  |  | SR     | 0.010173 | Others                                                                                      | -          | 80.0 | Polyimide resin modified polyurethane            |
|  |  |        |          | 4,4'-Methylenebis(N,N-diglycidylaniline);4,4'-Methylenebis[N,N-bis(2,3-                     | 28768-32-3 | 9.0  |                                                  |
|  |  |        |          | Others                                                                                      | -          | 1.0  | Pigment(trade secret)                            |

|         |       |             |          |                             |           |          |                          |
|---------|-------|-------------|----------|-----------------------------|-----------|----------|--------------------------|
|         |       |             |          | Others                      | -         | 10.0     | Layered double hydroxide |
|         |       | Sn Plating  | 0.001813 | Others                      | -         | 30.0     | Alkylsulfonic            |
|         |       |             |          | Others                      | -         | 15.0     | Tin(II)                  |
|         |       |             |          | Others                      | -         | 39.5     | Alkylsulfonate water     |
|         |       |             |          | Thiourea;Thiocarbamide      | 62-56-6   | 15.0     |                          |
|         |       |             |          | Phenol                      | 108-95-2  | 0.5      |                          |
|         |       | Wafer       | 0.016121 | Silicon;                    | 7440-21-3 | 99.6419  |                          |
|         |       |             |          | Arsenic                     | 7440-38-2 | 1.0E-4   |                          |
|         |       |             |          | Boron;                      | 7440-42-8 | 0.0030   |                          |
|         |       |             |          | Phosphorus                  | 7723-14-0 | 0.0030   |                          |
|         |       |             |          | Aluminium;                  | 7429-90-5 | 0.15     |                          |
|         |       |             |          | Titanium                    | 7440-32-6 | 0.1      |                          |
|         |       |             |          | Copper (metallic)           | 7440-50-8 | 0.0020   |                          |
|         |       |             |          | Tungsten;                   | 7440-33-7 | 0.1      |                          |
| IC Tcon | 0.176 | COPPER WIRE | 0.000494 | Copper (metallic)           | 7440-50-8 | 96.55    |                          |
|         |       |             |          | Palladium;E 101O/W          | 7440-05-3 | 3.1      |                          |
|         |       |             |          | Gold                        | 7440-57-5 | 0.35     |                          |
|         |       | DIE         | 0.00151  | Silicon;                    | 7440-21-3 | 99.05233 |                          |
|         |       |             |          | Boron;                      | 7440-42-8 | 4.0E-5   |                          |
|         |       |             |          | Phosphorus                  | 7723-14-0 | 1.5E-4   |                          |
|         |       |             |          | Arsenic                     | 7440-38-2 | 3.0E-4   |                          |
|         |       |             |          | Germanium;Germanium element | 7440-56-4 | 0.02109  |                          |
|         |       |             |          | Fluorine                    | 7782-41-4 | 2.3E-4   |                          |
|         |       |             |          | Aluminium;                  | 7429-90-5 | 0.20663  |                          |
|         |       |             |          | Copper (metallic)           | 7440-50-8 | 0.59635  |                          |
|         |       |             |          | Nickel                      | 7440-02-0 | 0.00471  |                          |
|         |       |             |          | Titanium                    | 7440-32-6 | 0.00125  |                          |
|         |       |             |          | Tantalum;tantalum,          | 7440-25-7 | 0.10892  |                          |
|         |       |             |          | Tungsten;                   | 7440-33-7 | 0.0080   |                          |

|  |  |                        |          |                                                                                                  |            |       |                             |
|--|--|------------------------|----------|--------------------------------------------------------------------------------------------------|------------|-------|-----------------------------|
|  |  | DIE ATTACH PASTE       | 0.000342 | Silver;                                                                                          | 7440-22-4  | 73.5  |                             |
|  |  |                        |          | Phenolic epoxy resin F-44; Formaldehyde, polymer with (chloromethyl) oxirane                     | 9003-36-5  | 4.0   |                             |
|  |  |                        |          | Others                                                                                           | -          | 6.0   | Epoxy resin                 |
|  |  |                        |          | 1,4-Bis((2,3-epoxypropoxy)methyl)cyclohexane;Cyclohexane,1,4-bis[(2,3-epoxypropoxy)methyl]-(8CI) | 14228-73-0 | 4.0   |                             |
|  |  |                        |          | Ethylene dimethacrylate;1,2-Ethenediol                                                           | 97-90-5    | 6.0   |                             |
|  |  |                        |          | Others                                                                                           | -          | 5.0   | Hardener                    |
|  |  |                        |          | Dicyanodiamide;1-Cyanoguanidine                                                                  | 461-58-5   | 0.5   |                             |
|  |  |                        |          | 1,1-Di(tert-butylperoxy)cyclohexane;Cyclohexylidenebis(tert-butyl)peroxide                       | 3006-86-8  | 1.0   |                             |
|  |  | Epoxy molding compound | 0.096381 | Others                                                                                           | -          | 3.0   | Epoxy Resin A(Trade Secret) |
|  |  |                        |          | Others                                                                                           | -          | 3.0   | Epoxy Resin A(Trade Secret) |
|  |  |                        |          | Silicon dioxide;Silica                                                                           | 60676-86-0 | 78.45 |                             |
|  |  |                        |          | Carbon Black                                                                                     | 1333-86-4  | 0.55  |                             |
|  |  |                        |          | Silicon dioxide                                                                                  | 7631-86-9  | 7.5   |                             |
|  |  |                        |          | Others                                                                                           | -          | 7.5   | Phenol Resin(Trade Secret)  |

|     |        |                         |           |                        |            |         |                                 |
|-----|--------|-------------------------|-----------|------------------------|------------|---------|---------------------------------|
|     |        | Gold Wire               | 0.000158  | Gold                   | 7440-57-5  | 99.0475 |                                 |
|     |        |                         |           | Palladium;E 101O/W     | 7440-05-3  | 0.95    |                                 |
|     |        |                         |           | Calcium;               | 7440-70-2  | 0.0020  |                                 |
|     |        |                         |           | Beryllium              | 7440-41-7  | 5.0E-4  |                                 |
|     |        | LEAD FRAME-<br>MATERIAL | 0.0025205 | Silver;                | 7440-22-4  | 100.0   |                                 |
|     |        | Lead Frame              | 0.0694945 | Copper (metallic)      | 7440-50-8  | 91.9    |                                 |
|     |        |                         |           | Silicon;               | 7440-21-3  | 3.088   |                                 |
|     |        |                         |           | Magnesium              | 7439-95-4  | 0.354   |                                 |
|     |        |                         |           | Silver;                | 7440-22-4  | 3.5     |                                 |
|     |        |                         |           | Nickel                 | 7440-02-0  | 1.158   |                                 |
|     |        | Plating                 | 0.0051    | Tin                    | 7440-31-5  | 100.0   |                                 |
| PWM | 0.0418 | Bonding Wire            | 0.000127  | Copper (metallic)      | 7440-50-8  | 98.57   |                                 |
|     |        |                         |           | Palladium;E 101O/W     | 7440-05-3  | 1.43    |                                 |
|     |        | Lead Frame              | 0.019965  | Copper (metallic)      | 7440-50-8  | 96.46   |                                 |
|     |        |                         |           | Iron;                  | 7439-89-6  | 2.28    |                                 |
|     |        |                         |           | Phosphorus             | 7723-14-0  | 0.03    |                                 |
|     |        |                         |           | Zinc                   | 7440-66-6  | 0.15    |                                 |
|     |        |                         |           | Silver;                | 7440-22-4  | 1.08    |                                 |
|     |        | Mold Compound           | 0.017456  | Silicon dioxide;Silica | 60676-86-0 | 82.0    |                                 |
|     |        |                         |           | Silicon dioxide        | 7631-86-9  | 15.0    |                                 |
|     |        |                         |           | Carbon Black           | 1333-86-4  | 0.2     |                                 |
|     |        |                         |           | Others                 | -          | 0.6     | Trade Secret<br>(Catalyst)      |
|     |        |                         |           | Others                 | -          | 0.6     | Trade Secret<br>(Epoxy Resin 1) |
|     |        |                         |           | Others                 | -          | 0.6     | Trade Secret<br>(Epoxy Resin 2) |
|     |        |                         |           | Others                 | -          | 1.0     | Trade Secret<br>(Hardener)      |
|     |        | Silver Paste            | 0.00009   | Silver;                | 7440-22-4  | 80.0    |                                 |
|     |        |                         |           | Others                 | -          | 7.0     | Acrylic resin                   |

|          |         |                |          |                                                                           |            |       |                          |
|----------|---------|----------------|----------|---------------------------------------------------------------------------|------------|-------|--------------------------|
|          |         |                |          | Others                                                                    | -          | 4.0   | Polybutadiene derivative |
|          |         |                |          | Others                                                                    | -          | 1.0   | Butadiene copolymer      |
|          |         |                |          | Others                                                                    | -          | 2.0   | Epoxy resin              |
|          |         |                |          | Others                                                                    | -          | 4.0   | Acrylate                 |
|          |         |                |          | Others                                                                    | -          | 0.5   | Trade Secret-Peroxide    |
|          |         |                |          | Others                                                                    | -          | 1.5   | Trade Secret-Additive    |
|          |         | Solder Plating | 0.002074 | Tin                                                                       | 7440-31-5  | 100.0 |                          |
|          |         | Wafer          | 0.002089 | Silicon;                                                                  | 7440-21-3  | 99.4  |                          |
|          |         |                |          | Aluminium;                                                                | 7429-90-5  | 0.6   |                          |
| IC LED D | 0.04113 | Bonding Wire   | 0.000259 | Copper (metallic)                                                         | 7440-50-8  | 98.57 |                          |
|          |         |                |          | Palladium;E 101O/W                                                        | 7440-05-3  | 1.43  |                          |
|          |         | Leadframe      | 0.020754 | Copper (metallic)                                                         | 7440-50-8  | 96.46 |                          |
|          |         |                |          | Iron;                                                                     | 7439-89-6  | 2.28  |                          |
|          |         |                |          | Phosphorus                                                                | 7723-14-0  | 0.03  |                          |
|          |         |                |          | Zinc                                                                      | 7440-66-6  | 0.15  |                          |
|          |         |                |          | Silver;                                                                   | 7440-22-4  | 1.08  |                          |
|          |         | Mold Compound  | 0.016978 | Others                                                                    | -          | 2.3   | Epoxy resin1             |
|          |         |                |          | Others                                                                    | -          | 0.5   | Epoxy resin2             |
|          |         |                |          | Others                                                                    | -          | 5.0   | Epoxy resin3             |
|          |         |                |          | Others                                                                    | -          | 5.0   | Hardener(Trade secret)   |
|          |         |                |          | Carbon Black                                                              | 1333-86-4  | 0.2   |                          |
|          |         |                |          | Silicon dioxide;Silica                                                    | 60676-86-0 | 87.0  |                          |
|          |         | Silver Paste   | 0.00044  | Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with | 68909-20-6 | 50.0  |                          |
|          |         |                |          | Others                                                                    | -          | 10.0  | Epoxy resin              |

|       |         |                             |           |                                                 |            |       |                                  |
|-------|---------|-----------------------------|-----------|-------------------------------------------------|------------|-------|----------------------------------|
|       |         |                             |           | Others                                          | -          | 30.0  | Bismaleimide monomer             |
|       |         |                             |           | Others                                          | -          | 9.0   | Acrylate                         |
|       |         |                             |           | Others                                          | -          | 1.0   | 2-Ethyl-4-methyl-1H-imidazole-1- |
|       |         | Solder Plating              | 0.001234  | Tin                                             | 7440-31-5  | 100.0 |                                  |
|       |         | Wafer                       | 0.001464  | Silicon;                                        | 7440-21-3  | 99.4  |                                  |
|       |         |                             |           | Aluminium;                                      | 7429-90-5  | 0.6   |                                  |
| MOS   | 0.00569 | Bonding wire                | 0.0000211 | Gold                                            | 7440-57-5  | 100.0 |                                  |
|       |         | Die                         | 0.0001058 | Silicon;                                        | 7440-21-3  | 98.58 |                                  |
|       |         |                             |           | Nickel                                          | 7440-02-0  | 0.79  |                                  |
|       |         |                             |           | Silver;                                         | 7440-22-4  | 0.47  |                                  |
|       |         |                             |           | Gold                                            | 7440-57-5  | 0.16  |                                  |
|       |         | External plating            | 0.000275  | Tin                                             | 7440-31-5  | 98.0  |                                  |
|       |         |                             |           | Copper (metallic)                               | 7440-50-8  | 2.0   |                                  |
|       |         | LeadFrame-Base material     | 0.0019051 | Iron;                                           | 7439-89-6  | 58.0  |                                  |
|       |         |                             |           | Nickel                                          | 7440-02-0  | 42.0  |                                  |
|       |         | Leadframe-surface treatment | 0.0002541 | Copper (metallic)                               | 7440-50-8  | 100.0 |                                  |
|       |         | Mold compound               | 0.0031306 | Silicon dioxide;Silica                          | 60676-86-0 | 58.97 |                                  |
|       |         |                             |           | Poly[(o-cresyl glycidyl ether)-co-formaldehyde] | 29690-82-2 | 14.37 |                                  |
|       |         |                             |           | Phenolic Resin                                  | 9003-35-4  | 7.69  |                                  |
|       |         |                             |           | Aluminium hydroxide                             | 21645-51-2 | 17.95 |                                  |
|       |         |                             |           | Others                                          | -          | 0.51  | Organic phosphorus compounds     |
|       |         |                             |           | Carbon Black                                    | 1333-86-4  | 0.51  |                                  |
| Diode | 0.0041  | Lead Frame                  | 0.000015  | Iron;                                           | 7439-89-6  | 0.15  |                                  |
|       |         |                             |           | Copper (metallic)                               | 7440-50-8  | 99.85 |                                  |

|        |        |                    |           |                                                                         |            |        |  |
|--------|--------|--------------------|-----------|-------------------------------------------------------------------------|------------|--------|--|
|        |        | Lead Free Plating  | 0.0000028 | Tin                                                                     | 7440-31-5  | 99.991 |  |
|        |        |                    |           | Lead;                                                                   | 7439-92-1  | 0.0090 |  |
|        |        | bonding wire Cu    | 0.00001   | Copper (metallic)                                                       | 7440-50-8  | 100.0  |  |
|        |        | dice(Zener)        | 0.0000578 | Silicon;                                                                | 7440-21-3  | 96.09  |  |
|        |        |                    |           | Arsenic                                                                 | 7440-38-2  | 0.1    |  |
|        |        |                    |           | Phosphorus                                                              | 7723-14-0  | 0.01   |  |
|        |        |                    |           | Aluminium;                                                              | 7429-90-5  | 3.0    |  |
|        |        |                    |           | Nickel                                                                  | 7440-02-0  | 0.5    |  |
|        |        |                    |           | Titanium                                                                | 7440-32-6  | 0.1    |  |
|        |        |                    |           | Silver;                                                                 | 7440-22-4  | 0.1    |  |
|        |        |                    |           | Silicon dioxide                                                         | 7631-86-9  | 0.1    |  |
|        |        | molding compound   | 0.0040144 | Silicon dioxide;Silica                                                  | 60676-86-0 | 79.7   |  |
|        |        |                    |           | Poly[(o-cresyl glycidyl ether)-co-formaldehyde]                         | 29690-82-2 | 10.0   |  |
|        |        |                    |           | Phenolic Resin                                                          | 9003-35-4  | 10.0   |  |
|        |        |                    |           | Carbon Black                                                            | 1333-86-4  | 0.3    |  |
| PCB_OE | 38.499 | Electroless Nickel | 0.628     | Water;dihydrogen oxide                                                  | 7732-18-5  | 75.0   |  |
|        |        |                    |           | Nickel sulphate                                                         | 7786-81-4  | 25.0   |  |
|        |        | IMMERSION GOLD.    | 0.026     | Ammonium citrate dibasic;Diammonium hydrogen citrate                    | 3012-65-5  | 45.0   |  |
|        |        |                    |           | Water;dihydrogen oxide                                                  | 7732-18-5  | 55.0   |  |
|        |        | Prepreg黏合片         | 12.239    | Fiber Glass Wool                                                        | 65997-17-3 | 36.0   |  |
|        |        |                    |           | Epoxy resin;                                                            | 38891-59-7 | 64.0   |  |
|        |        | 文字油墨               | 0.866     | Titanium dioxide                                                        | 13463-67-7 | 17.0   |  |
|        |        |                    |           | Talc                                                                    | 14807-96-6 | 17.0   |  |
|        |        |                    |           | Poly(ethylene glycol) diacrylate;Glycols,polyethylene, diacrylate (8CI) | 26570-48-9 | 14.0   |  |
|        |        |                    |           | Silicon dioxide                                                         | 7631-86-9  | 2.0    |  |

|         |         |                   |           |                                                          |            |        |                            |
|---------|---------|-------------------|-----------|----------------------------------------------------------|------------|--------|----------------------------|
|         |         |                   |           | Poly(styrene-co-acrylonitrile);<br>Acrylonitrile-styrene | 9003-54-7  | 50.0   |                            |
|         |         | 銅箔                | 1.009     | Copper (metallic)                                        | 7440-50-8  | 99.9   |                            |
|         |         |                   |           | Chromium                                                 | 7440-47-3  | 0.0030 |                            |
|         |         |                   |           | Nickel                                                   | 7440-02-0  | 0.0030 |                            |
|         |         |                   |           | Zinc                                                     | 7440-66-6  | 0.09   |                            |
|         |         |                   |           | Arsenic                                                  | 7440-38-2  | 0.0040 |                            |
|         |         | 鍍銅                | 0.481     | Copper (metallic)                                        | 7440-50-8  | 99.9   |                            |
|         |         |                   |           | Phosphorus                                               | 7723-14-0  | 0.1    |                            |
|         |         | 防焊油墨              | 0.562     | Solvent naphtha                                          | 64742-94-5 | 11.1   |                            |
|         |         |                   |           | 2-(2-Ethoxyethoxy)ethyl acetate                          | 112-15-2   | 9.5    |                            |
|         |         |                   |           | Methoxypropoxypropan                                     | 34590-94-8 | 2.4    |                            |
|         |         |                   |           | Barium sulfate;BaSO4                                     | 7727-43-7  | 13.3   |                            |
|         |         |                   |           | Silica, Crystalline                                      | 14808-60-7 | 13.3   |                            |
|         |         |                   |           | Others                                                   | -          | 1.1    | Amine                      |
|         |         |                   |           | Others                                                   | -          | 41.9   | Resin                      |
|         |         |                   |           | Others                                                   | -          | 2.7    | Leveling Agent and others  |
|         |         |                   |           | Others                                                   | -          | 0.4    | Coloring                   |
|         |         |                   |           | Others                                                   | -          | 4.3    | Aromatic Carbonyl Compound |
|         |         | 電解銅箔              | 22.688    | Copper (metallic)                                        | 7440-50-8  | 100.0  |                            |
| Res-SMD | 0.00193 | Ceramic Substrate | 0.0016618 | Aluminum oxide;                                          | 1344-28-1  | 96.0   |                            |
|         |         |                   |           | Silica, Crystalline                                      | 14808-60-7 | 3.0    |                            |
|         |         |                   |           | Magnesium oxide                                          | 1309-48-4  | 1.0    |                            |
|         |         | Conductor Layer   | 4.467E-05 | Silver;                                                  | 7440-22-4  | 64.0   |                            |
|         |         |                   |           | Fiber Glass Wool                                         | 65997-17-3 | 15.0   |                            |
|         |         |                   |           | Terpineol;2-(4-Methyl-3-cyclohexenyl)-2-                 | 8000-41-7  | 10.0   |                            |

|  |  |                    |           |                                                                                      |            |       |                                                      |
|--|--|--------------------|-----------|--------------------------------------------------------------------------------------|------------|-------|------------------------------------------------------|
|  |  |                    |           | Stoddard solvent; Low boiling point naphtha - unspecified                            | 8052-41-3  | 10.0  |                                                      |
|  |  |                    |           | Palladium;E 101O/W                                                                   | 7440-05-3  | 1.0   |                                                      |
|  |  | End Terminal 2018  | 2.51E-06  | Nickel                                                                               | 7440-02-0  | 80.0  |                                                      |
|  |  |                    |           | Chromium                                                                             | 7440-47-3  | 20.0  |                                                      |
|  |  | Marking White 2019 | 3.09E-06  | Bisphenol A epoxy resin E-03;2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene | 25085-99-8 | 50.0  |                                                      |
|  |  |                    |           | Barium sulfate;BaSO4                                                                 | 7727-43-7  | 15.0  |                                                      |
|  |  |                    |           | Titanium dioxide                                                                     | 13463-67-7 | 30.0  |                                                      |
|  |  |                    |           | Naphtha; Low boiling point naphtha                                                   | 8030-30-6  | 5.0   |                                                      |
|  |  | Ni Plating         | 0.0000878 | Nickel                                                                               | 7440-02-0  | 100.0 |                                                      |
|  |  | Over Coating 2018  | 3.036E-05 | 4,4'-propane-2,2-diylidiphenol - 2-(chloromethyl)oxirane                             | 25068-38-6 | 40.0  |                                                      |
|  |  |                    |           | Silicon dioxide;Silica                                                               | 60676-86-0 | 30.0  |                                                      |
|  |  |                    |           | Talc                                                                                 | 14807-96-6 | 10.0  |                                                      |
|  |  |                    |           | 2-butoxyethoxy ethanol(DEGBE)                                                        | 112-34-5   | 20.0  | Diethylene glycol monobutyl ether 經過乾燥燒結後,該物質不存在於產品中 |
|  |  | Resistive Element  | 2.553E-05 | Silver;                                                                              | 7440-22-4  | 50.0  |                                                      |
|  |  |                    |           | Palladium;E 101O/W                                                                   | 7440-05-3  | 15.0  |                                                      |
|  |  |                    |           | Ruthenium dioxide                                                                    | 12036-10-1 | 30.0  |                                                      |
|  |  |                    |           | Frits,chemicals;Bleihaltige Fritten, Chemikalien                                     | 65997-18-4 | 5.0   |                                                      |
|  |  | Sn Plating         | 7.813E-05 | Tin                                                                                  | 7440-31-5  | 100.0 |                                                      |

|       |         |                                 |           |                                                                                    |            |       |           |
|-------|---------|---------------------------------|-----------|------------------------------------------------------------------------------------|------------|-------|-----------|
| ESD-P | 0.00474 | End Termination_1               | 0.0001421 | Silver;                                                                            | 7440-22-4  | 60.0  |           |
|       |         |                                 |           | 2-butoxyethoxy ethanol(DEGBE)                                                      | 112-34-5   | 10.0  |           |
|       |         |                                 |           | Methoxypropoxypropan                                                               | 34590-94-8 | 10.0  |           |
|       |         |                                 |           | 3-Glycidoxypropyltrimethoxysilane;[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane     | 2530-83-8  | 10.0  |           |
|       |         |                                 |           | Others                                                                             | -          | 10.0  | Polyether |
|       |         | External                        | 0.0000171 | Nickel                                                                             | 7440-02-0  | 100.0 |           |
|       |         | External                        | 0.0000256 | Tin                                                                                | 7440-31-5  | 100.0 |           |
|       |         | First Termination_1             | 0.0001066 | Silver;                                                                            | 7440-22-4  | 70.0  |           |
|       |         |                                 |           | Fiber Glass Wool                                                                   | 65997-17-3 | 5.0   |           |
|       |         |                                 |           | Ethyl cellulose                                                                    | 9004-57-3  | 5.0   |           |
|       |         |                                 |           | Terpineol;2-(4-Methyl-3-cyclohexenyl)-2-                                           | 8000-41-7  | 5.0   |           |
|       |         |                                 |           | 2-Butoxyethanol                                                                    | 111-76-2   | 5.0   |           |
|       |         |                                 |           | Benzyl alcohol;alpha-Hydroxytoluene                                                | 100-51-6   | 5.0   |           |
|       |         |                                 |           | Resin acids and Rosin acids, esters with pentaerythritol;PENTAE RYTHRITYL ROSINATE | 8050-26-8  | 5.0   |           |
|       |         | Internal Electrode_1            | 0.0001317 | Palladium;E 101O/W                                                                 | 7440-05-3  | 55.0  |           |
|       |         |                                 |           | Ethyl cellulose                                                                    | 9004-57-3  | 5.0   |           |
|       |         |                                 |           | p-menthan-8-ol;1-methyl-4-                                                         | 498-81-7   | 30.0  |           |
|       |         |                                 |           | Normal alkane;Normal paraffins                                                     | 64771-72-8 | 10.0  |           |
|       |         | Main body : Metal Oxide Layer_2 | 0.0038653 | Zinc oxide; Zinc white; C.I. pigment white 4                                       | 1314-13-2  | 100.0 |           |

|      |         |                                         |           |                                                |            |       |                         |
|------|---------|-----------------------------------------|-----------|------------------------------------------------|------------|-------|-------------------------|
|      |         | Others additives in Metal Oxide Layer_1 | 0.0004363 | Neodymium oxide;Dineodymium trioxide           | 1313-97-9  | 1.89  |                         |
|      |         |                                         |           | Cobalt oxide (Co3O4)                           | 1308-06-1  | 2.77  |                         |
|      |         |                                         |           | Zinc oxide; Zinc white; C.I. pigment white 4   | 1314-13-2  | 91.82 |                         |
|      |         |                                         |           | Praseodymium oxide;Praseodymium(III, IV) oxide | 12037-29-5 | 3.52  |                         |
|      |         | Overcoat_1                              | 0.0000128 | Others                                         | -          | 60.0  | Epoxy resin/182697-62-7 |
|      |         |                                         |           | Solvent naphtha                                | 64742-94-5 | 15.0  |                         |
|      |         |                                         |           | Carbon Black                                   | 1333-86-4  | 15.0  |                         |
|      |         |                                         |           | Talc                                           | 14807-96-6 | 10.0  |                         |
| MLCC | 0.00132 | 20190910_Ni Plating Layer(English)      | 0.0000128 | Nickel                                         | 7440-02-0  | 100.0 |                         |
|      |         | 20190910_Sn Plating Layer(English)      | 0.0000187 | Tin                                            | 7440-31-5  | 100.0 |                         |
|      |         | 20191113_BaTiO3                         | 0.00123   | Barium titanate                                | 12047-27-7 | 100.0 |                         |
|      |         | 20191113_Copper                         | 2.475E-05 | Copper (metallic)                              | 7440-50-8  | 100.0 |                         |
|      |         | 20191113_Ni-Inner Electrode             | 3.375E-05 | Nickel                                         | 7440-02-0  | 99.0  |                         |
|      |         |                                         |           | Others                                         | -          | 1.0   | 商業機密                    |
| IND  | 1.4228  | CORE                                    | 1.2475822 | Iron;                                          | 7439-89-6  | 97.0  |                         |
|      |         |                                         |           | Carbon;Activated                               | 7440-44-0  | 1.0   |                         |
|      |         |                                         |           | Nitrogen;Diatomicnitrog                        | 7727-37-9  | 1.0   |                         |
|      |         |                                         |           | Oxygen;Dioxygen                                | 7782-44-7  | 1.0   |                         |
|      |         | INK                                     | 7.114E-05 | 2-Butanone;Ethyl methyl ketone                 | 78-93-3    | 90.0  |                         |
|      |         |                                         |           | Others                                         | -          | 10.0  | ChromeⅢ-Complex Dye     |

|     |     |                |           |                                                   |            |       |                  |
|-----|-----|----------------|-----------|---------------------------------------------------|------------|-------|------------------|
|     |     | WIRE-COPPER    | 0.1115475 | Copper (metallic)                                 | 7440-50-8  | 100.0 |                  |
|     |     | Terminal       | 0.0564852 | Copper (metallic)                                 | 7440-50-8  | 99.8  |                  |
|     |     |                |           | Nickel                                            | 7440-02-0  | 0.02  |                  |
|     |     |                |           | Tin                                               | 7440-31-5  | 0.18  |                  |
|     |     | WIRE-COATING   | 0.007114  | Polyurethane; TPU                                 | 9009-54-5  | 100.0 |                  |
| FFC | 0.7 | Black Ink      | 0.0001    | 2-Butanone;Ethyl methyl ketone                    | 78-93-3    | 69.5  |                  |
|     |     |                |           | Isopropanol;2-Propanol                            | 67-63-0    | 5.0   |                  |
|     |     |                |           | Ethyl acetate;Acetic acid ethyl ester             | 141-78-6   | 5.0   |                  |
|     |     |                |           | Solvent Black 29;Black                            | 61901-87-9 | 5.0   |                  |
|     |     |                |           | 1-Butanol                                         | 71-36-3    | 5.0   |                  |
|     |     |                |           | Ethanol                                           | 64-17-5    | 5.0   |                  |
|     |     |                |           | Methanol                                          | 67-56-1    | 0.5   | 是挥发性物质，不会残留      |
|     |     |                |           | Nitrocellulose                                    | 9004-70-0  | 5.0   |                  |
|     |     | Green ink      | 0.0001    | 2-Butanone;Ethyl methyl ketone                    | 78-93-3    | 45.0  |                  |
|     |     |                |           | Ethyl acetate;Acetic acid ethyl ester             | 141-78-6   | 35.0  |                  |
|     |     |                |           | Isopropanol;2-Propanol                            | 67-63-0    | 8.0   |                  |
|     |     |                |           | Others                                            | -          | 10.0  | SYNTHETIC RESINS |
|     |     |                |           | Others                                            | -          | 1.0   | PIGMENT          |
|     |     |                |           | Others                                            | -          | 1.0   | impurity         |
|     |     | Plating-Au     | 0.0002    | Potassium dicyanoaurate;Aurate(1-),bis(cyano-C)-, | 13967-50-5 | 99.0  |                  |
|     |     |                |           | Others                                            | -          | 1.0   | 雜質               |
|     |     | Protector tape | 0.048     | Poly(ethylene terephthalate);PET                  | 25038-59-9 | 68.5  |                  |
|     |     |                |           | Polyurethane; TPU                                 | 9009-54-5  | 30.0  |                  |

|      |       |           |        |                                                                                                 |             |         |                  |
|------|-------|-----------|--------|-------------------------------------------------------------------------------------------------|-------------|---------|------------------|
|      |       |           |        | Fumed silica                                                                                    | 112945-52-5 | 0.5     |                  |
|      |       |           |        | Talc                                                                                            | 14807-96-6  | 0.5     |                  |
|      |       |           |        | Others                                                                                          | -           | 0.5     | Synthetic Resins |
|      |       | 透明麥拉      | 0.005  | Poly(ethylene terephthalate);PET                                                                | 25038-59-9  | 70.0    |                  |
|      |       |           |        | 2-Propenoic acid, butyl ester, polymer with ethenylbenzene;Butyl acrylate, vinylbenzene polymer | 25767-47-9  | 30.0    |                  |
|      |       | R15-LV双面胶 | 0.1309 | Poly(ethylene terephthalate);PET                                                                | 25038-59-9  | 8.04    |                  |
|      |       |           |        | Polyacrylic acid; 2-Propenoic acid homopolymer                                                  | 9003-01-4   | 91.96   |                  |
|      |       | 導體 ( 底材 ) | 0.2304 | copper powder                                                                                   | 7740-50-8   | 95.4    |                  |
|      |       |           |        | Nickel                                                                                          | 7440-02-0   | 4.6     |                  |
|      |       | 絕緣層       | 0.2853 | Poly(ethylene terephthalate);PET                                                                | 25038-59-9  | 30.0    |                  |
|      |       |           |        | Carbamic acid, ethyl ester, homopolymer;Polyureth                                               | 26680-22-8  | 32.0    |                  |
|      |       |           |        | Aluminium hydroxide                                                                             | 21645-51-2  | 30.0    |                  |
|      |       |           |        | Fumed silica                                                                                    | 112945-52-5 | 4.0     |                  |
|      |       |           |        | Titanium dioxide                                                                                | 13463-67-7  | 4.0     |                  |
| Conn | 0.066 | BRASS(墊片) | 0.004  | Copper (metallic)                                                                               | 7440-50-8   | 64.6874 |                  |
|      |       |           |        | Zinc                                                                                            | 7440-66-6   | 35.28   |                  |
|      |       |           |        | Phosphorus                                                                                      | 7723-14-0   | 0.0018  |                  |
|      |       |           |        | Lead;                                                                                           | 7439-92-1   | 0.0048  |                  |
|      |       |           |        | Iron;                                                                                           | 7439-89-6   | 0.026   |                  |
|      |       | LCP (膠芯)  | 0.026  | Fiber Glass Wool                                                                                | 65997-17-3  | 19.0    |                  |

|        |         |                             |           |                                                                                                     |            |        |                                                            |
|--------|---------|-----------------------------|-----------|-----------------------------------------------------------------------------------------------------|------------|--------|------------------------------------------------------------|
|        |         |                             |           | Others                                                                                              | -          | 65.0   | Liquid Crystal Polymer (LCP)                               |
|        |         |                             |           | Others                                                                                              | -          | 0.1    | 雜質                                                         |
|        |         |                             |           | Talc                                                                                                | 14807-96-6 | 15.0   |                                                            |
|        |         |                             |           | Silica, Crystalline                                                                                 | 14808-60-7 | 0.9    |                                                            |
|        |         | PHOSPHOP<br>BRONZE(端子 )     | 0.036     | Copper (metallic)                                                                                   | 7440-50-8  | 90.107 |                                                            |
|        |         |                             |           | Tin                                                                                                 | 7440-31-5  | 9.0    |                                                            |
|        |         |                             |           | Phosphorus                                                                                          | 7723-14-0  | 0.35   |                                                            |
|        |         |                             |           | Zinc                                                                                                | 7440-66-6  | 0.2    |                                                            |
|        |         |                             |           | Lead;                                                                                               | 7439-92-1  | 0.02   |                                                            |
|        |         |                             |           | Iron;                                                                                               | 7439-89-6  | 0.1    |                                                            |
|        |         |                             |           | Nickel                                                                                              | 7440-02-0  | 0.2    |                                                            |
|        |         |                             |           | Aluminium;                                                                                          | 7429-90-5  | 0.02   |                                                            |
|        |         |                             |           | Silicon;                                                                                            | 7440-21-3  | 0.0030 |                                                            |
| Fuse-C | 0.00291 | Alumina Substrate           | 0.00183   | Aluminum oxide;                                                                                     | 1344-28-1  | 100.0  | Alumina                                                    |
|        |         | Blue Dielectric Glass Paste | 0.000061  | Fiber Glass Wool                                                                                    | 65997-17-3 | 100.0  | Fibrous glass                                              |
|        |         | Green Overglaze             | 0.000105  | Fiber Glass Wool                                                                                    | 65997-17-3 | 100.0  | Fibrous glass                                              |
|        |         | Nickel Anode                | 0.000125  | Nickel                                                                                              | 7440-02-0  | 100.0  |                                                            |
|        |         | Resinate Gold Paste         | 0.0000254 | Gold                                                                                                | 7440-57-5  | 100.0  |                                                            |
|        |         | Silver Termination          | 0.00069   | Silver;                                                                                             | 7440-22-4  | 95.0   |                                                            |
|        |         |                             |           | Bismuth                                                                                             | 7440-69-9  | 5.0    |                                                            |
|        |         | Tin Anode                   | 0.000075  | Tin                                                                                                 | 7440-31-5  | 100.0  |                                                            |
| Solder | 0.219   | solder                      | 0.219     | Tin                                                                                                 | 7440-31-5  | 85.0   |                                                            |
|        |         |                             |           | Silver;                                                                                             | 7440-22-4  | 2.7    |                                                            |
|        |         |                             |           | Copper (metallic)                                                                                   | 7440-50-8  | 0.4    |                                                            |
|        |         |                             |           | Resin acids and resin acids, esters with glycerol;Resin acids and Rosin acids, esters with glycerol | 8050-31-5  | 11.9   | Vehicle ; modified resin, glycol ether, activaor, additive |

|         |        |                             |         |                          |            |        |                                       |
|---------|--------|-----------------------------|---------|--------------------------|------------|--------|---------------------------------------|
| ACF-PCB | 6.658  | Anisotropic Conductive Film | 6.658   | Nickel                   | 7440-02-0  | 4.0    |                                       |
|         |        |                             |         | Others                   | -          | 96.0   | Acrylic                               |
| LB      | 5.2473 | Connector-COVER             | 0.02    | Nylon-                   | 25038-54-4 | 42.0   |                                       |
|         |        |                             |         | Fiber Glass Wool         | 65997-17-3 | 25.0   |                                       |
|         |        |                             |         | Others                   | -          | 33.0   | Melamine phosphate                    |
|         |        | Connector Base              | 0.04    | Nylon-                   | 25038-54-4 | 42.0   |                                       |
|         |        |                             |         | Fiber Glass Wool         | 65997-17-3 | 25.0   |                                       |
|         |        |                             |         | Others                   | -          | 33.0   | Melamine phosphate<br>Flame Retardant |
|         |        | Connector Contact           | 0.0775  | Copper (metallic)        | 7440-50-8  | 93.9   |                                       |
|         |        |                             |         | Tin                      | 7440-31-5  | 6.0    |                                       |
|         |        |                             |         | Phosphorus               | 7723-14-0  | 0.1    |                                       |
|         |        | Connector PLATING-          | 0.0005  | Gold                     | 7440-57-5  | 100.0  |                                       |
|         |        | Connector PLATING-          | 0.0006  | Nickel                   | 7440-02-0  | 100.0  |                                       |
|         |        | Connector PLATING-          | 0.0014  | Tin                      | 7440-31-5  | 100.0  |                                       |
|         |        | Connector TAB               | 0.04    | Copper (metallic)        | 7440-50-8  | 63.0   |                                       |
|         |        |                             |         | Zinc                     | 7440-66-6  | 37.0   |                                       |
|         |        | LED-Chip                    | 0.00121 | Indium Tin Oxide         | 50926-11-9 | 0.052  |                                       |
|         |        |                             |         | Gallium; Liquid gallium; | 7440-55-3  | 4.646  |                                       |
|         |        |                             |         | Indium;INE 07PB          | 7440-74-6  | 2.463  |                                       |
|         |        |                             |         | Nitrogen;Diatomicnitrog  | 7727-37-9  | 1.796  |                                       |
|         |        |                             |         | Aluminum oxide;          | 1344-28-1  | 88.717 |                                       |
|         |        |                             |         | Chromium                 | 7440-47-3  | 0.0010 |                                       |
|         |        |                             |         | Gold                     | 7440-57-5  | 0.502  |                                       |
|         |        |                             |         | Titanium                 | 7440-32-6  | 0.019  |                                       |
|         |        |                             |         | Platinum                 | 7440-06-4  | 0.044  |                                       |
|         |        |                             |         | Aluminium;               | 7429-90-5  | 0.011  |                                       |
|         |        |                             |         | Silica, Crystalline      | 14808-60-7 | 0.837  |                                       |
|         |        |                             |         | Titanium dioxide         | 13463-67-7 | 0.912  |                                       |

|  |  |                |         |                                                                     |            |       |                         |
|--|--|----------------|---------|---------------------------------------------------------------------|------------|-------|-------------------------|
|  |  | LED-Gold wire  | 0.00055 | Gold                                                                | 7440-57-5  | 99.99 |                         |
|  |  |                |         | Others                                                              | -          | 0.01  | 雜質                      |
|  |  | LED-Housing    | 0.00275 | 1L,3,5-tris(oxiranylmethyl)-1L,3,5-triazine-2,4,6(1H,3H,5H)-trione; | 2451-62-9  | 33.0  |                         |
|  |  |                |         | Titanium dioxide                                                    | 13463-67-7 | 48.0  |                         |
|  |  |                |         | Others                                                              | -          | 9.6   | Alicyclic anhydride     |
|  |  |                |         | Others                                                              | -          | 9.4   | Filler                  |
|  |  | LED-Lead frame | 0.0022  | Copper (metallic)                                                   | 7440-50-8  | 97.52 |                         |
|  |  |                |         | Iron;                                                               | 7439-89-6  | 2.3   |                         |
|  |  |                |         | Zinc                                                                | 7440-66-6  | 0.09  |                         |
|  |  |                |         | Phosphorus                                                          | 7723-14-0  | 0.09  |                         |
|  |  | LED-Phosphor   | 0.00077 | Others                                                              | -          | 100.0 | Aluminum Cerium Yttrium |
|  |  | LED-Plating    | 0.00055 | Silver;                                                             | 7440-22-4  | 100.0 |                         |
|  |  | MCPCB-文字油墨     | 0.05353 | Methoxypropoxypropan                                                | 34590-94-8 | 10.0  |                         |
|  |  |                |         | Di(propylene glycol) methyl ether acetate                           | 88917-22-0 | 10.0  |                         |
|  |  |                |         | 4,4'-propane-2,2-diylldiphenol - 2-(chloromethyl)oxirane            | 25068-38-6 | 40.0  |                         |
|  |  |                |         | Solvent naphtha                                                     | 64742-94-5 | 2.0   |                         |
|  |  |                |         | Carbon Black                                                        | 1333-86-4  | 15.0  |                         |
|  |  |                |         | Barium sulfate;BaSO4                                                | 7727-43-7  | 22.0  |                         |
|  |  |                |         | Naphthalene                                                         | 91-20-3    | 1.0   |                         |
|  |  | MCPCB-膠片       | 0.09615 | Aluminum oxide;                                                     | 1344-28-1  | 70.0  |                         |

|  |  |                |          |                                                                                                                           |            |      |                                            |
|--|--|----------------|----------|---------------------------------------------------------------------------------------------------------------------------|------------|------|--------------------------------------------|
|  |  |                |          | Phenol, 4,4-(1-methylethylidene)bis2,6-dibromo-, polymer with (chloromethyl)oxirane and 4,4-(1-methylethylidene)bisphenol | 26265-08-7 | 30.0 |                                            |
|  |  | 錫膏             | 0.1      | Tin                                                                                                                       | 7440-31-5  | 86.0 |                                            |
|  |  |                |          | Bismuth                                                                                                                   | 7440-69-9  | 2.0  |                                            |
|  |  |                |          | Copper (metallic)                                                                                                         | 7440-50-8  | 2.0  |                                            |
|  |  |                |          | Silver;                                                                                                                   | 7440-22-4  | 0.3  |                                            |
|  |  |                |          | Others                                                                                                                    | -          | 5.5  | 松香                                         |
|  |  |                |          | Others                                                                                                                    | -          | 4.2  | 溶劑                                         |
|  |  | LED-Silicone A | 0.001485 | Others                                                                                                                    | -          | 99.0 | Alkenyl group containing siloxane compound |
|  |  |                |          | Others                                                                                                                    | -          | 1.0  | Trade Secret                               |
|  |  | LED-Silicone B | 0.001485 | Others                                                                                                                    | -          | 48.0 | SiH group-containing compound A            |
|  |  |                |          | Others                                                                                                                    | -          | 25.0 | Alkenyl group containing siloxane compound |
|  |  |                |          | Others                                                                                                                    | -          | 22.0 | SiH group-containing compound B            |
|  |  |                |          | Others                                                                                                                    | -          | 5.0  | Aryl group-containing compound             |

|      |         |                |         |                                                                             |            |       |           |
|------|---------|----------------|---------|-----------------------------------------------------------------------------|------------|-------|-----------|
|      |         | MCPCB_OSP      | 0.05552 | Acetic acid<br>glacial;Glacial acetic                                       | 64-19-7    | 20.0  |           |
|      |         |                |         | Benzimidazole;1,3-<br>Benzodiazole                                          | 51-17-2    | 2.0   |           |
|      |         |                |         | Acetic acid,<br>copper(2+)salt, hydrate<br>(9CI);Copperdiacetate<br>hydrate | 66923-66-8 | 1.0   |           |
|      |         |                |         | Ammonium<br>acetate;Acetic acid                                             | 631-61-8   | 1.0   |           |
|      |         |                |         | Water;dihydrogen oxide                                                      | 7732-18-5  | 76.0  |           |
|      |         | MCPCB 鋁板       | 4.45918 | Iron;                                                                       | 7439-89-6  | 0.4   |           |
|      |         |                |         | Silicon;                                                                    | 7440-21-3  | 0.25  |           |
|      |         |                |         | Copper (metallic)                                                           | 7440-50-8  | 0.1   |           |
|      |         |                |         | Manganese and its<br>compounds                                              | 7439-96-5  | 0.1   |           |
|      |         |                |         | Magnesium                                                                   | 7439-95-4  | 2.6   |           |
|      |         |                |         | Chromium                                                                    | 7440-47-3  | 0.2   |           |
|      |         |                |         | Aluminium;                                                                  | 7429-90-5  | 96.35 |           |
|      |         | MCPCB-阻焊油墨     | 0.16901 | Others                                                                      | -          | 33.0  | Acrylate  |
|      |         |                |         | Titanium dioxide                                                            | 13463-67-7 | 37.0  |           |
|      |         |                |         | Methoxypropoxypropan                                                        | 34590-94-8 | 29.9  |           |
|      |         |                |         | Others                                                                      | -          | 0.1   | 商業機密      |
|      |         | MCPCB 銅箔       | 0.12291 | Copper (metallic)                                                           | 7440-50-8  | 99.93 |           |
|      |         |                |         | Zinc                                                                        | 7440-66-6  | 0.07  |           |
| PC   |         | 1 塑膠粒(PC-122B) | 1       | POLY(BISPHEENOL A<br>CARBONATE);2,2-<br>bis(4-<br>Hydroxyphenyl)propane     | 24936-68-3 | 99.0  |           |
|      |         |                |         | Others                                                                      | -          | 1.0   | Additives |
| Rear | 491.923 | Mylar          | 0.1     | Others                                                                      | -          | 100.0 | 丙烯酸共聚物    |

|  |  |        |       |                                                                                      |            |       |       |
|--|--|--------|-------|--------------------------------------------------------------------------------------|------------|-------|-------|
|  |  | Mylar  | 0.1   | Siloxanes and silicones, dimethyl hydroxy-terminated;Silicone rubber, methyl RTV 107 | 63148-60-7 | 7.0   |       |
|  |  |        |       | Alumina,activated;Corundum                                                           | 1302-74-5  | 83.0  |       |
|  |  |        |       | Aluminium hydroxide                                                                  | 21645-51-2 | 3.0   |       |
|  |  |        |       | Others                                                                               | -          | 7.0   | 乙烷基硅油 |
|  |  | Mylar  | 0.1   | 2-Propenoic acid,2-methyl-, methyl ester, homopolymer                                | 9011-14-7  | 80.0  |       |
|  |  |        |       | Poly(ethylene terephthalate);PET                                                     | 25038-59-9 | 20.0  |       |
|  |  | Mylar  | 0.1   | Polyacrylic acid; 2-Propenoic acid homopolymer                                       | 9003-01-4  | 22.75 |       |
|  |  |        |       | polypropylene; PP                                                                    | 9003-07-0  | 77.25 |       |
|  |  | Mylar  | 0.1   | 2-Propenoic acid,2-methyl-, methyl ester, homopolymer                                | 9011-14-7  | 72.9  |       |
|  |  |        |       | Poly(ethylene terephthalate);PET                                                     | 25038-59-9 | 27.1  |       |
|  |  | Mylar  | 0.1   | 2-Propenoic acid,2-methyl-, methyl ester, homopolymer                                | 9011-14-7  | 25.0  |       |
|  |  |        |       | Poly(ethylene terephthalate);PET                                                     | 25038-59-9 | 75.0  |       |
|  |  | Rubber | 0.2   | Silicon dioxide                                                                      | 7631-86-9  | 96.0  |       |
|  |  |        |       | Others                                                                               | -          | 4.0   | 商業機密  |
|  |  | 油墨     | 0.001 | 2-Butanone;Ethyl methyl ketone                                                       | 78-93-3    | 80.0  |       |
|  |  |        |       | Ethanol                                                                              | 64-17-5    | 10.0  |       |

|  |  |         |        |                                                                                                                        |             |       |  |
|--|--|---------|--------|------------------------------------------------------------------------------------------------------------------------|-------------|-------|--|
|  |  |         |        | 4-(2-METHYL-ALLYL)-<br>BENZOIC ACID;4-(2-<br>METHYL-2-<br>PROPENYL)BENZOIC<br>ACID                                     | 168194-08-9 | 10.0  |  |
|  |  | 鉚釘-鎳鍍層  | 0.001  | Nickel                                                                                                                 | 7440-02-0   | 100.0 |  |
|  |  | 鉚釘-鍍黑鋅層 | 0.001  | Zinc                                                                                                                   | 7440-66-6   | 90.0  |  |
|  |  |         |        | Water;dihydrogen oxide                                                                                                 | 7732-18-5   | 3.0   |  |
|  |  |         |        | Potassium<br>chloride;Acronitol                                                                                        | 7447-40-7   | 7.0   |  |
|  |  | Rubber  | 0.2    | VINYL TERMINATED<br>POLYDIMETHYLSILOX<br>ANE;dowcorning3-4939                                                          | 68083-19-2  | 98.0  |  |
|  |  |         |        | Silicone;Poly(dimethylsil<br>oxane);Silicon                                                                            | 63148-62-9  | 1.0   |  |
|  |  |         |        | 2,5-Dimethyl-2,5-di(tert-<br>butylperoxy)hexane;Di-<br>tert-butyl 1,1,4,4-<br>tetramethyltetramethyle<br>ne diperoxide | 78-63-7     | 1.0   |  |
|  |  | 原材      | 490.72 | Silicon;                                                                                                               | 7440-21-3   | 0.25  |  |
|  |  |         |        | Iron;                                                                                                                  | 7439-89-6   | 0.4   |  |
|  |  |         |        | Copper (metallic)                                                                                                      | 7440-50-8   | 0.1   |  |
|  |  |         |        | Manganese and its<br>compounds                                                                                         | 7439-96-5   | 0.1   |  |
|  |  |         |        | Magnesium                                                                                                              | 7439-95-4   | 2.5   |  |
|  |  |         |        | Zinc                                                                                                                   | 7440-66-6   | 0.1   |  |
|  |  |         |        | Aluminium;                                                                                                             | 7429-90-5   | 96.3  |  |
|  |  |         |        | Chromium                                                                                                               | 7440-47-3   | 0.25  |  |
|  |  | 鉚釘-快銷鋼  | 0.2    | Carbon;Activated                                                                                                       | 7440-44-0   | 0.09  |  |
|  |  |         |        | Manganese and its<br>compounds                                                                                         | 7439-96-5   | 1.05  |  |

|              |        |          |        |                                                       |            |        |          |
|--------------|--------|----------|--------|-------------------------------------------------------|------------|--------|----------|
|              |        |          |        | Sulfur                                                | 7704-34-9  | 0.35   |          |
|              |        |          |        | Iron;                                                 | 7439-89-6  | 98.42  |          |
|              |        |          |        | Phosphorus                                            | 7723-14-0  | 0.09   |          |
| Bezel        | 75     | Mylar    | 0.1    | Poly(ethylene terephthalate);PET                      | 25038-59-9 | 50.0   |          |
|              |        |          |        | Others                                                | -          | 50.0   | Urethane |
|              |        | Mylar    | 0.1    | 2-Propenoic acid,2-methyl-, methyl ester, homopolymer | 9011-14-7  | 80.0   |          |
|              |        |          |        | Poly(ethylene terephthalate);PET                      | 25038-59-9 | 20.0   |          |
|              |        | 原材-铁件    | 74.8   | Carbon;Activated                                      | 7440-44-0  | 0.3    |          |
|              |        |          |        | Manganese and its compounds                           | 7439-96-5  | 2.0    |          |
|              |        |          |        | Iron;                                                 | 7439-89-6  | 97.205 |          |
|              |        |          |        | Phosphorus                                            | 7723-14-0  | 0.05   |          |
|              |        |          |        | Sulfur                                                | 7704-34-9  | 0.04   |          |
|              |        |          |        | Silicon;                                              | 7440-21-3  | 0.3    |          |
|              |        |          |        | columbium;niobium element                             | 7440-03-1  | 0.08   |          |
|              |        |          |        | Nitrogen;Diatomicnitrog                               | 7727-37-9  | 0.02   |          |
|              |        |          |        | Boron;                                                | 7440-42-8  | 0.0050 |          |
| Protect Film | 5.4    | 半透明PP保護膜 | 5.4    | polypropylene; PP                                     | 9003-07-0  | 100.0  |          |
| Masking_Tape | 0.3025 | TAPE     | 0.1815 | Poly(ethylene terephthalate);PET                      | 25038-59-9 | 50.0   |          |
|              |        |          |        | 2-Ethylhexyl acrylate                                 | 103-11-7   | 50.0   |          |
|              |        | PET      | 0.121  | Poly(ethylene terephthalate);PET                      | 25038-59-9 | 97.0   |          |
|              |        |          |        | Carbon Black                                          | 1333-86-4  | 3.0    |          |

|                |      |      |      |                                                                     |            |      |        |
|----------------|------|------|------|---------------------------------------------------------------------|------------|------|--------|
| Masking_Tape   | 0.27 | PET  | 0.22 | 2,2-Bis(4-hydroxyphenyl)propyl polycarbonate; Polycarbonate,colored | 25037-45-0 | 97.0 |        |
|                |      |      |      | Others                                                              | -          | 3.0  | 有机硅阻燃剂 |
|                |      | TAPE | 0.05 | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 50.0 |        |
|                |      |      |      | 2-Ethylhexyl acrylate                                               | 103-11-7   | 50.0 |        |
| Sponge_Tape    | 0.04 | TAPE | 0.03 | SILICONE RUBBER;polydimethylsiloxanerubber                          | 63394-02-5 | 96.0 |        |
|                |      |      |      | Silicone;Poly(dimethylsiloxane);Silicon                             | 63148-62-9 | 0.4  |        |
|                |      |      |      | Silicon dioxide                                                     | 7631-86-9  | 0.3  |        |
|                |      |      |      | Carbon Black                                                        | 1333-86-4  | 0.3  |        |
|                |      |      |      | Bis(tert-butylldioxyisopropyl)benzene;Bis[1-(tert-butylperoxy)-1-   | 25155-25-3 | 2.0  |        |
|                |      |      |      | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 1.0  |        |
|                |      | TAPE | 0.01 | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 30.0 |        |
|                |      |      |      | 2-Ethylhexyl acrylate                                               | 103-11-7   | 70.0 |        |
| Isolation_Tape | 7.8  | TAPE | 1.95 | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 50.0 |        |
|                |      |      |      | 2-Ethylhexyl acrylate                                               | 103-11-7   | 50.0 |        |
|                |      | TAPE | 1.95 | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 56.0 |        |
|                |      |      |      | 2-Ethylhexyl acrylate                                               | 103-11-7   | 44.0 |        |
|                |      | PET  | 3.9  | Poly(ethylene terephthalate);PET                                    | 25038-59-9 | 97.0 |        |

|              |      |             |      |                                  |            |        |  |
|--------------|------|-------------|------|----------------------------------|------------|--------|--|
|              |      |             |      | Carbon Black                     | 1333-86-4  | 3.0    |  |
| Fasten_Tape  | 0.18 | TAPE        | 0.11 | Poly(ethylene terephthalate);PET | 25038-59-9 | 50.0   |  |
|              |      |             |      | 2-Ethylhexyl acrylate            | 103-11-7   | 50.0   |  |
|              |      | PET         | 0.07 | Poly(ethylene terephthalate);PET | 25038-59-9 | 97.0   |  |
|              |      |             |      | Carbon Black                     | 1333-86-4  | 3.0    |  |
| Thermal_Tape | 0.75 | Thermal Pad | 0.75 | Aluminum oxide;                  | 1344-28-1  | 75.0   |  |
|              |      |             |      | Acrylic acid                     | 9063-87-0  | 20.0   |  |
|              |      |             |      | Fiber Glass Wool                 | 65997-17-3 | 5.0    |  |
| Screw        | 0.07 | COATING     | 0.07 | Nickel(II) chloride              | 7718-54-9  | 24.0   |  |
|              |      |             |      | Nickel sulphate                  | 7786-81-4  | 6.0    |  |
|              |      |             |      | Water;dihydrogen oxide           | 7732-18-5  | 70.0   |  |
|              |      | WIRE 01     | 0.01 | Carbon;Activated                 | 7440-44-0  | 0.033  |  |
|              |      |             |      | Phosphorus                       | 7723-14-0  | 0.011  |  |
|              |      |             |      | Manganese and its compounds      | 7439-96-5  | 99.216 |  |
|              |      |             |      | Silicon;                         | 7440-21-3  | 0.73   |  |
|              |      |             |      | Iron;                            | 7439-89-6  | 0.01   |  |
| Label        | 0.17 | 雪铜合成纸       | 0.17 | polypropylene; PP                | 9003-07-0  | 82.0   |  |
|              |      |             |      | Acrysol ASE 60;acrysolase60      | 37325-11-4 | 18.0   |  |