

# Material Composition for P260S

| Sub-component     | Material                 | % of Total Mass    | Substance Name                     | CAS #           | Substance Mass (grams) | Special Classification |
|-------------------|--------------------------|--------------------|------------------------------------|-----------------|------------------------|------------------------|
| Bushing           | Zinc Alloy               | 23.964%            | Al                                 | 7429-90-5       | 140.848                |                        |
|                   |                          |                    | Cu                                 | 7440-50-8       | 17.606                 |                        |
|                   |                          |                    | Mg                                 | 7439-95-4       | 1.761                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 0.352                  |                        |
|                   |                          |                    | Sn                                 | 7440-31-5       | 0.004                  |                        |
|                   |                          |                    | Zn                                 | 7440-66-6       | 3360.630               |                        |
| Shaft             | Nickel plating           | 0.012%             | Ni                                 | 7440-02-0       | 1.700                  |                        |
|                   |                          |                    | Cu                                 | 7440-50-8       | 3316.157               |                        |
|                   | C3602                    | 37.421%            | Zn                                 | 7440-66-6       | 2056.446               | RoHS exemption 6 (c)   |
|                   |                          |                    | Pb                                 | 7439-92-1       | 102.272                |                        |
|                   |                          |                    | Al                                 | 7429-90-5       | 0.275                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 0.071                  |                        |
|                   |                          |                    | Sn                                 | 7440-31-5       | 5.993                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 11.052                 |                        |
|                   |                          |                    | Si                                 | 7440-21-3       | 0.082                  |                        |
|                   |                          |                    | Sb                                 | 7440-36-0       | 1.320                  |                        |
|                   |                          |                    | Bi                                 | 7440-69-9       | 1.303                  |                        |
|                   |                          |                    | P                                  | 7723-14-0       | 0.203                  |                        |
|                   |                          |                    | Ni                                 | 7440-02-0       | 3.354                  |                        |
|                   |                          |                    | Nickel plating                     | 0.010%          | Ni                     |                        |
| Spacer            | PBT+30%GF                | 1.923%             | Polybutylene Terephthalate         | 30965-26-5      | 197.820                |                        |
|                   |                          |                    | Glass,Oxide,Chemicals              | 65997-17-3      | 84.780                 |                        |
| Switch Body       | PBT+30%GF                | 0.905%             | Polybutylene Terephthalate         | 30965-26-5      | 93.100                 |                        |
|                   |                          |                    | Glass,Oxide,Chemicals              | 65997-17-3      | 39.900                 |                        |
| Switch Base Board | Glass fiber copper board | 1.011%             | Continuous Filament Fiber Glass    | 65997-17-3      | 57.954                 |                        |
|                   |                          |                    | Copper                             | 7440-50-8       | 35.664                 |                        |
| Switch            | PA66                     | 0.801%             | Epoxy Resin                        | 26265-08-7      | 54.982                 |                        |
|                   |                          |                    | POLYHEXAMETHYLENE ADIPAMIDE        | 32131-17-2      | 75.328                 |                        |
|                   |                          |                    | FIBERS GLASS                       | 65997-17-3      | 37.664                 |                        |
|                   |                          |                    | COLORANTS,STABILIZER S,LUBRICANTS  | /               | 4.708                  |                        |
| Stop Plate        | POM                      | 1.027%             | ACETAL POLYMER                     | 105-57-7        | 147.882                |                        |
|                   |                          |                    | STABILIZER                         | 76024-18-9      | 3.015                  |                        |
| Element           | Fiber glass board        | 1.334%             | GLASS, OXIDE, CHEMICALS            | 65997-17-3      | 86.254                 |                        |
|                   |                          |                    | BRONZE                             | 26265-08-7      | 78.413                 |                        |
|                   |                          |                    | Cu                                 | 7440-50-8       | 31.365                 |                        |
|                   | Carbon Plasm             | 0.007%             | Methanol                           | 67-56-1         | 0.159                  |                        |
|                   |                          |                    | Carbon Black                       | 1333-86-4       | 0.742                  |                        |
|                   |                          |                    | Talc                               | 14807-96-6      | 0.042                  |                        |
|                   |                          |                    | Polymer with xylene 8 phend        | 29601-89-0      | 0.032                  |                        |
|                   | Silver Plasm             | 0.018%             | Monobutyl Ether                    | 112-34-5        | 0.032                  |                        |
|                   |                          |                    | Silver                             | 7440-22-4       | 0.053                  |                        |
|                   |                          |                    | Phenolic resin                     | 9039-25-2       | 0.407                  |                        |
|                   |                          |                    | Silver                             | 7440-22-4       | 1.355                  |                        |
|                   |                          |                    | Glass powder                       | 65997-17-3      | 0.014                  |                        |
|                   |                          |                    | Graphite                           | 7782-42-5       | 0.136                  |                        |
|                   |                          |                    | Molybdenum disulfide               | 1317-33-5       | 0.136                  |                        |
|                   |                          |                    | Diethylene glycol monomethyl ether | 111-90-0        | 0.542                  |                        |
|                   |                          |                    | Phenol                             | 108-95-2        | 0.122                  |                        |
|                   |                          |                    | C                                  | 7440-44-0       | 0.390                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 0.390                  |                        |
|                   |                          |                    | P                                  | 7723-14-0       | 0.078                  |                        |
| Stop Block        | SPCC                     | 1.326%             | S                                  | 7704-34-9       | 0.078                  |                        |
|                   |                          |                    | Si                                 | 7440-21-3       | 0.585                  |                        |
|                   |                          |                    | Al                                 | 7429-90-5       | 0.078                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 193.302                |                        |
|                   |                          |                    | Sn                                 | 7440-31-5       | 1.500                  |                        |
| Terminal          | Tin Plating              | 0.010%             | Sn                                 | 7440-31-5       | 1.500                  |                        |
|                   | C2680R Brass             | 0.088%             | Cu                                 | 7440-50-8       | 8.772                  |                        |
| Nut               | Au plating               | 0.009%             | Zn                                 | 7440-66-6       | 4.128                  |                        |
|                   |                          |                    | Au                                 | 7440-57-5       | 0.507                  |                        |
| Washer            | Fe+Nickel plating        | 8.099%             | Ni                                 | 7440-02-0       | 0.793                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 1166.200               |                        |
| Washer            | SPCC                     | 5.434%             | Ni                                 | 7440-02-0       | 23.800                 |                        |
|                   |                          |                    | C                                  | 7440-44-0       | 1.597                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 1.597                  |                        |
|                   |                          |                    | P                                  | 7723-14-0       | 0.319                  |                        |
|                   |                          |                    | S                                  | 7704-34-9       | 0.319                  |                        |
|                   |                          |                    | Si                                 | 7440-21-3       | 2.396                  |                        |
|                   |                          |                    | Al                                 | 7429-90-5       | 0.319                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 791.952                |                        |
|                   |                          |                    | Nickel Plating                     | 0.010%          | Sn                     | 7440-31-5              |
|                   | Conductive Oil           | Base Oil +Additive | 0.026%                             | Polyisobutylene | 115-11-7               | 3.551                  |
| PAO               |                          |                    |                                    | 68037-01-4      | 0.309                  |                        |
| Element Base      | PBT+30GF                 | 10.209%            | Polybutylene Terephthalate         | 30965-26-5      | 1005.000               |                        |
|                   |                          |                    | Glass,Oxide,Chemicals              | 65997-17-3      | 495.000                |                        |
| O Washer          | Silicon dioxide          | 0.000%             | Vi [(ch3)2siO] n                   | 68083-18-1      | 0.028                  |                        |
|                   |                          |                    | [(ch3)2siO] mSi[(ch3)2visiO] 2     | /               | 0.018                  |                        |
|                   |                          |                    | H0 [(ch3)2siO] Nsi[(ch3)2(o h)     | 70131-67-8      | 0.005                  |                        |
| Slider            | C7701R Copper            | 0.290%             | Cu                                 | 7440-50-8       | 23.451                 |                        |
|                   |                          |                    | Zn                                 | 7440-66-6       | 11.183                 |                        |
|                   |                          |                    | Ni                                 | 7440-02-0       | 7.668                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 0.213                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 0.085                  |                        |
| Cover             | PBT                      | 2.607%             | Polybutylene Terephthalate         | 30965-26-5      | 256.610                |                        |
|                   |                          |                    | Glass,Oxide,Chemicals              | 65997-17-3      | 126.390                |                        |
| Wave Washer       | SPCC                     | 1.530%             | C                                  | 7440-44-0       | 0.450                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 0.450                  |                        |
|                   |                          |                    | P                                  | 7723-14-0       | 0.090                  |                        |
|                   |                          |                    | S                                  | 7704-34-9       | 0.090                  |                        |
|                   |                          |                    | Si                                 | 7440-21-3       | 0.674                  |                        |
|                   |                          |                    | Al                                 | 7429-90-5       | 0.090                  |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 222.907                |                        |
|                   |                          |                    | Sn                                 | 7440-31-5       | 1.750                  |                        |
|                   |                          |                    | Ni                                 | 7440-02-0       | 4.935                  |                        |
|                   |                          |                    | Mn                                 | 7439-96-5       | 0.555                  |                        |
| Button Ring       | SAE                      | 0.415%             | Fe                                 | 7439-89-6       | 44.439                 |                        |
|                   |                          |                    | Cr                                 | 7440-47-3       | 11.059                 |                        |
|                   |                          |                    | Mo                                 | 7439-98-7       | 0.012                  |                        |
|                   |                          |                    | Ni                                 | 7440-02-0       | 0.600                  |                        |
| Rivet             | C1020 Brass              | 1.465%             | Cu                                 | 7440-50-8       | 213.556                |                        |
|                   |                          |                    | Fe                                 | 7439-89-6       | 1.744                  |                        |
| Shaft Oil         | Nickel plating           | 0.010%             | Ni                                 | 7440-02-0       | 1.500                  |                        |
|                   |                          |                    | Polyisobutylene                    | 9003-27-4       | 1.800                  |                        |
|                   | Grease                   | 0.020%             | PAO                                | 68037-01-4      | 1.050                  |                        |
|                   |                          |                    | Fumed Silica                       | 68611-44-9      | 0.150                  |                        |
|                   |                          |                    | Total mass                         |                 |                        |                        |