


MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

| | | | | |
|-----------------|-----------------|-----|-----|---|
| Material # | PDB18 | | |  |
| Product Line | Panel Controls | | | |
| Compliance Date | Since Inception | | | |
| RoHS Compliant | Yes | MSL | N/A | |

| No. | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material/ Substances | CASRN If applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. [%] |
|-----|--------------------------------|----------------------|---------------------|----------------------------------|------------------------|------------------|-----------------------------------|-------------------------------|
| 1 | Housing | Steel Alloy | 1.353 | Iron | 7439-89-6 | 71.85 | 18.036 | 25.102 |
| | | | | Nickel | 7440-02-0 | 8 | 2.008 | |
| | | | | Chromium | 7740-47-3 | 17 | 4.267 | |
| | | | | Silicon | 7740-21-3 | 1 | 0.251 | |
| | | | | Manganese | 7439-96-5 | 2 | 0.502 | |
| | | | | Carbon | 7440-44-0 | 0.15 | 0.038 | |
| | | Plating | N/A | Zinc | 7440-66-6 | 100 | N/A | |
| 2 | Element | Bakelite | 0.377 | Silica Fused | 60676-86-0 | 68 | 4.756 | 6.994 |
| | | | | Epoxy, Cresol Novolac | 39690-82-2 | 20 | 1.398 | |
| | | | | Phenol Novolac | 9003-35-4 | 7 | 0.489 | |
| | | | | Antimony Trioxide | 1309-64-4 | 3 | 0.209 | |
| | | | | Brominated Epoxy Black | 40039-93-8 | 2 | 0.139 | |
| 3 | Bushing | Zinc Alloy | 2.112 | Zinc | 7440-66-6 | 89.2 | 37.952 | 36.974 |
| | | | | Aluminum | 1344-28-1 | 4.16 | 1.63 | |
| | | | | Magnesium | 7439-95-4 | 0.1 | 0.039 | |
| | | | | Copper | 7440-50-8 | 0.9 | 0.353 | |
| 4 | Shaft | Aluminum Alloy | 0.883 | Aluminum | 1344-28-1 | 100 | 16.382 | 16.382 |
| 5 | Rotor | Polycarbonate | 0.274 | Polycarbonate | | 100 | 5.084 | 5.084 |



Reliable Electronic Solutions

MATERIAL DECLARATION SHEET

| | | | | | | | | |
|--------------|----------------|--------------|-------|-----------|-----------|-------|-------|-------|
| 6 | Contact Spring | Copper Alloy | 0.068 | Copper | 7440-50-8 | 100 | 1.262 | 1.262 |
| 7 | Terminal | Steel Alloy | 0.323 | Iron | 7439-89-6 | 71.85 | 4.306 | 5.993 |
| | | | | Nickel | 7740-02-0 | 8 | 0.479 | |
| | | | | Chromium | 7740-47-3 | 17 | 1.019 | |
| | | | | Silicon | 7740-21-3 | 1 | 0.059 | |
| | | | | Manganese | 7439-96-5 | 2 | 0.119 | |
| | | | | Carbon | 7440-44-0 | 0.15 | 0.009 | |
| | | Plating | N/A | Tin | 7440-31-5 | 100 | N/A | |
| Total weight | 5.39 | | | | | | | |

This Document was updated on: March 22, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.