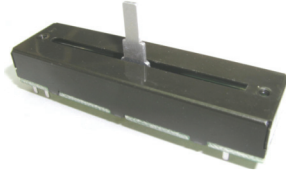


MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

| | | | | |
|-----------------|------------------|-----|-----|---|
| Material Number | PTF01-152A-102B1 | | |  |
| Product Line | Panel Control | | | |
| Compliance Date | 09-04-'07 | | | |
| RoHS Compliant | Yes | MSL | N/A | |

| No. | Construction element (subpart) | Homogeneous material | Material weight [g] | Homogeneous Material/ Substances | CAS if applicable | Materials mass [%] | Material Mass % of total unit wt. | Subpart mass of total wt (%) |
|-----|--------------------------------|----------------------|---------------------|----------------------------------|-------------------|--------------------|-----------------------------------|------------------------------------|
| 1 | Contact spring carrier | POM | 1.450 | Trioxane | 110-88-3 | 96 | 3.0 | 3.1 |
| | | | | Dioxolane | 646-06-0 | 3 | 0.09 | |
| | | | | additive | | 1 | 0.01 | |
| 2 | Slide lever | Steel | 1.08 | Carbon | 7440-44-0 | 0.04 | 0.001 | 2.3 Nickel Plating 2~3um |
| | | | | Manganese | 7439-96-5 | 0.21 | 0.005 | |
| | | | | Phosphorus | 7803-51-2 | 0.011 | 0.0002 | |
| | | | | Sulfur | 7704-34-9 | 0.013 | 0.0003 | |
| | | | | Silicon | 14464-46-1 | 0.01 | 0.0002 | |
| | | | | Aluminum | 7429-90-5 | 0.045 | 0.001 | |
| | | | | Iron | 1345-25-1 | 98.67 | 2.3 | |
| | | Plating | Nickel | 7440-02-0 | 1 | 0.02 | | |
| 3 | Contact spring | Phosphor Bronze | 0.072 | Tin | 7440-31-5 | 8.0 | 0.02 | 0.2 Ag Plating 0.3~1um |
| | | | | Phosphorus | 7803-51-2 | 0.35 | 0.001 | |
| | | | | Lead | 7439-92-1 | 0.02 | 0.00004 | |
| | | | | Iron | 1345-25-1 | 0.1 | 0.0002 | |
| | | | | Zinc | 7440-66-6 | 0.2 | 0.0004 | |
| | | | | Copper | 7440-50-8 | 90.33 | 0.18 | |
| | | Plating | Silver | 7440-22-4 | 1 | 0.002 | | |
| 4 | Spacer | POM | 1.007 | Trioxane | 110-88-3 | 96 | 2.016 | 2.1 |
| | | | | Dioxolane | 646-06-0 | 3 | 0.063 | |
| | | | | additive | | 1 | 0.021 | |

MATERIAL DECLARATION SHEET



| | | | | | | | | |
|---|--------------|--------------------|-----------|---------------|-----------|--------|---------|---------------------------------|
| 5 | Prop | Free-Cutting Steel | 13.300 | Carbon | 7440-44-0 | 0.08 | 0.022 | 28.1 Nickel Plating 2~3um |
| | | | | Manganese | 7439-96-5 | 1.23 | 0.345 | |
| | | | | Phosphorus | 7803-51-2 | 0.071 | 0.02 | |
| | | | | Sulfur | 7704-34-9 | 0.369 | 0.103 | |
| | | | | Iron | 1345-25-1 | 97.25 | 27.33 | |
| | | Nickel | 7440-02-0 | 1 | 0.28 | | | |
| 6 | Frame | Steel | 22.000 | Carbon | 7440-44-0 | 0.04 | 0.019 | 46.5 Zinc Plating 5~8um |
| | | | | Manganese | 7439-96-5 | 0.21 | 0.098 | |
| | | | | Phosphorus | 7803-51-2 | 0.011 | 0.005 | |
| | | | | Sulfur | 7704-34-9 | 0.013 | 0.006 | |
| | | | | Silicon | 4464-46-1 | 0.01 | 0.005 | |
| | | | | Aluminum | 7429-90-5 | 0.045 | 0.021 | |
| | | | | Iron | 1345-25-1 | 98.671 | 45.881 | |
| | | Zinc | 7440-66-6 | 1 | 0.465 | | | |
| 7 | Element | Glass Fiber | 7.442 | Copper | 7440-50-8 | 10.5 | 1.65 | 15.7 |
| | | | | Epoxy | | 62 | 9.73 | |
| | | | | Glass fabrics | | 27.5 | 4.32 | |
| | Resistor | Carbon Film | 0.068 | Xylenol Resin | | 65 | 0.065 | 0.1 |
| | | | | Carbital | | 20 | 0.02 | |
| 8 | Terminal | Steel | 0.881 | Carbon | 7440-44-0 | 15 | 0.015 | 1.9 Tin Plating 5~8um |
| | | | | Carbon | 7440-44-0 | 0.04 | 0.0008 | |
| | | | | Manganese | 7439-96-5 | 0.29 | 0.0055 | |
| | | | | Phosphorus | 7803-51-2 | 0.014 | 0.00027 | |
| | | | | Sulfur | 7704-34-9 | 0.008 | 0.00015 | |
| | | | | Silicon | 4464-46-1 | 0.01 | 0.0002 | |
| | | | | Aluminum | 7429-90-5 | 0.051 | 0.00097 | |
| | | Iron | 7439-89-6 | 98.587 | 1.87 | | | |
| | Tin | 7440-31-5 | 1 | 0.019 | | | | |
| | Tin Plating | | | | | | | |
| | Total weight | 47.3 | | | | | | |

This Document was updated on: 9/4/07

MATERIAL DECLARATION SHEET



Important remarks:

- 1. It is the responsibility of the user to verify they are accessing the latest version.**
- 2. RoHS compliant – exemption used – lead in copper alloy**