


## Material Composition for M52-040023VXX45

| Product Information |                         |
|---------------------|-------------------------|
| Part Number:        | M52-040023VXX45         |
| Part Description:   | 1.27mm Pitch Pin Header |
| Part Weight (g):    | 0.027 * XX              |

| Process Data          |                      |
|-----------------------|----------------------|
| Peak Reflow (Deg. C)  | 260°C for 10 seconds |
| Termination Finish    | Gold over Nickel     |
| RoHS Compliant? (Y/N) | Yes                  |

| Homogeneous Material Location | Weight (g)    | Tolerance            | Substance Name   | CAS #      |
|-------------------------------|---------------|----------------------|--|------------|
| Contact - Brass               | 0.0113 * XX   | 3%                   | Copper   | 7440-50-8  |
|                               | 0.00483 * XX  | 2%                   | Zinc   | 7440-66-6  |
|                               | 0             | (0.000011 * XX)g max | Lead (impurity only)   | 7439-92-1  |
|                               | 0             | (0.000008 * XX)g max | Iron (impurity only)   | 7439-89-6  |
|                               | 0             | (0.000016 * XX)g max | Tin (impurity only)  | 7440-31-5  |
|                               | 0             | (0.000048 * XX)g max | Nickel (impurity only)   | 7440-02-0  |
|                               | 0             | (0.000003 * XX)g max | Aluminium (impurity only)                                      | 7429-90-5  |
| Contact - Plating             | 0             | (0.000016 * XX)g max | Other Impurities   |            |
|                               | 0.000289 * XX | 10%                  | Nickel   | 7440-02-0  |
|                               | 0.000031 * XX | 10%                  | Gold   | 7440-57-5  |
| Moulding (total weight)       | 0.0105 * XX   | 5%                   | 30% GF Nylon 6T  |            |
| Containing:                   | 0.00525 * XX  | 5%                   | Nylon 6T   | 63428-83-1 |
|                               | 0.00315 * XX  | 5%                   | 30% Glass Fibre  | 65997-17-3 |
|                               | 0.000525 * XX | 5%                   | Antimony Trioxide  | 1309-64-4  |
|                               | 0.00158 * XX  | 5%                   | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] |            |

Prepared by: 

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On behalf of:

