

Material Composition for M50-312XX45(R)

| Product Information | |
|---------------------|---------------------|
| Part Number: | M50-312XX45(R) |
| Part Description: | 1.27mm pitch Socket |
| Part Weight (g): | 0.0242 * XX |

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

Note that M50-312XX45R connectors are fitted with a stainless steel Pick & Place cap when shipped. This P&P cap weighs 0.04g.

| Homogeneous Material Location | Weight (g) | Tolerance | Substance Name | CAS # |
|-------------------------------|---------------|----------------------|-----------------------------------|------------|
| Contact - Phosphor Bronze | 0.0101 * XX | 5% | Copper | 7440-50-8 |
| | 0.000536 * XX | 1% | Tin | 7440-31-5 |
| | 0.000022 * XX | 0.5% | Phosphorus | 7723-14-0 |
| | 0 | (0.000022 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000022 * XX)g max | Zinc (impurity only) | 7440-66-6 |
| | 0 | (0.00001 * XX)g max | Iron (impurity only) | 7439-89-6 |
| Contact - Plating | 0 | (0.000002 * XX)g max | Lead (impurity only) | 7439-92-1 |
| | 0 | (0.000054 * XX)g max | Other Impurities | |
| | 0.000382 * XX | 10% | Nickel | 7440-02-0 |
| | 0.000042 * XX | 30% | Gold | 7440-57-5 |
| Moulding (total weight) | 0.0131 * XX | 6% | 30% GF LCP | |
| Containing: | 0.00917 * XX | 6% | Liquid Crystal Polymer | |
| | 0.00393 * XX | 6% | Glass Fibre | 65997-17-3 |
| Does not contain: | | | Other Brominated Flame Retardants | |
| | | | Antimony | |

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