


Material Declaration for D01-997XX42

| Product Information | |
|---------------------|------------------------|
| Part Number: | D01-997XX42 |
| Part Description: | Turned Vertical Socket |
| Part Weight (g): | 0.0595 * XX |

| Process Data | |
|-----------------------|----------------------|
| Peak Reflow (Deg. C) | 260°C for 10 seconds |
| Termination Finish | 100% Tin over Nickel |
| RoHS Compliant? (Y/N) | Yes |

Note: Tin plating is subject to 1,000ppm max Lead impurity.

| Homogeneous Material Location | Weight (g) | Tolerance | Substance Name | CAS # |
|---------------------------------|---------------|----------------------|---|------------|
| Contact Shell - Brass | 0.0183 * XX | 3% | Copper | 7440-50-8 |
| | 0.000948 * XX | 1% | Lead | 7439-92-1 |
| | 0.0123 * XX | 4% | Zinc | 7440-66-6 |
| | 0 | (0.000095 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000095 * XX)g max | Tin (impurity only) | 7440-31-5 |
| Contact Shell - Plating | 0 | (0.000095 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000016 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000063 * XX)g max | Other Impurities | |
| | 0.00073 * XX | 10% | Nickel | 7440-02-0 |
| | 0.0015 * XX | 5% | Tin | 7440-31-5 |
| Contact Clip - Beryllium Copper | 0.00528 * XX | 3% | Copper | 7440-50-8 |
| | 0.000103 * XX | 2% | Beryllium | 7440-41-7 |
| | 0 | (0.000016 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000016 * XX)g max | Cobalt (impurity only) | 7440-48-4 |
| | 0 | (0.000011 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000011 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000011 * XX)g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | (0.000027 * XX)g max | Other Impurities | |
| | 0.0001 * XX | 10% | Nickel | 7440-02-0 |
| Contact Clip - Plating | 0.000003 * XX | 5% | Gold | 7440-57-5 |
| | | | | |
| Moulding (total weight) | 0.0202 * XX | 5% | 30% GF PCT UL94V-0 | |
| Containing: | 0.0101 * XX | 5% | PCT | 25135-20-0 |
| | 0.00606 * XX | 5% | 30% Glass Fibre | 65997-17-3 |
| | 0.00101 * XX | 5% | Sodium Antimonate | 15432-85-6 |
| | 0.00303 * XX | 5% | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] | |

Prepared by: 

Martin J Perry, BSc(Eng) MSc CEng MIET
Compliance Specialist
ComplianceTeam@harwin.co.uk

On behalf of:

HARWIN