

Material Composition for M20-995XXXX

| Product Information | |
|---------------------|-------------------------|
| Part Number: | M20-995XX45 |
| Part Description: | 2.54mm pitch Pin Header |
| Part Weight (g): | 0.151 * 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 | 0.0794 * XX | 3% | Copper | 7440-50-8 |
| | 0.034 * XX | 2% | Zinc | 7440-66-6 |
| | 0 | (0.000079 * XX)g max | Lead (impurity only) | 7439-92-1 |
| | 0 | (0.000057 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000114 * XX)g max | Tin (impurity only) | 7440-31-5 |
| | 0 | (0.000341 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000023 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000114 * XX)g max | Other Impurities | |
| Contact - Plating | 0.00156 * XX | 10% | Nickel | 7440-02-0 |
| | 0.000169 * XX | 5% | Gold | 7440-57-5 |
| | | | | |
| Moulding (total weight) | 0.036 * XX | 5% | 30% GF Nylon 6T | |
| Containing: | 0.018 * XX | 5% | Nylon 6T | 63428-83-1 |
| | 0.0108 * XX | 5% | 30% Glass Fibre | 65997-17-3 |
| | 0.0018 * XX | 5% | Antimony Trioxide | 1309-64-4 |
| | 0.0054 * XX | 5% | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] | |

| Product Information | |
|---------------------|-------------------------|
| Part Number: | M20-995XX46 |
| Part Description: | 2.54mm pitch Pin Header |
| Part Weight (g): | 0.153 * XX |

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

| Homogeneous Material Location | Weight (g) | Tolerance | Substance Name | CAS # |
|-------------------------------|--------------|----------------------|---|------------|
| Contact - Brass | 0.0794 * XX | 3% | Copper | 7440-50-8 |
| | 0.034 * XX | 2% | Zinc | 7440-66-6 |
| | 0 | (0.000079 * XX)g max | Lead (impurity only) | 7439-92-1 |
| | 0 | (0.000057 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000114 * XX)g max | Tin (impurity only) | 7440-31-5 |
| | 0 | (0.000341 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000023 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000114 * XX)g max | Other Impurities | |
| Contact - Plating | 0.00156 * XX | 10% | Nickel | 7440-02-0 |
| | 0.00193 * XX | 10% | Tin | 7440-31-5 |
| | | | | |
| Moulding (total weight) | 0.036 * XX | 5% | 30% GF Nylon 6T | |
| Containing: | 0.018 * XX | 5% | Nylon 6T | 63428-83-1 |
| | 0.0108 * XX | 5% | 30% Glass Fibre | 65997-17-3 |
| | 0.0018 * XX | 5% | Antimony Trioxide | 1309-64-4 |
| | 0.0054 * XX | 5% | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] | |

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

Prepared by: 

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

On behalf of: 