

Material Declaration for H3175-XX

| Product Information | |
|---------------------|--------------------------|
| Part Number: | H3175-01 |
| Part Description: | Sub-Miniature PCB Socket |
| Part Weight (g): | 0.0612 |

| 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 | 0.0344 | 2% | Copper | 7440-50-8 |
| | 0.0203 | 1% | Zinc | 7440-66-6 |
| | 0.00169 | 0.5% | Lead | 7439-92-1 |
| | 0 | 0.000169g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000113g max | Tin (impurity only) | 7440-31-5 |
| | 0 | 0.000169g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | 0.000028g max | Aluminium (impurity only) | 7429-90-5 |
| Contact Shell - Plating | 0 | 0.000113g max | Other Impurities | |
| | 0.00161 | 5% | Tin | 7440-31-5 |
| | 0.000984 | 10% | Nickel | 7440-02-0 |
| Contact Clip - Beryllium Copper | 0.00207 | 1% | Copper | 7440-50-8 |
| | 0.00004 | 0.5% | Beryllium | 7440-41-7 |
| | 0 | 0.000006g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | 0.000006g max | Cobalt (impurity only) | 7440-48-4 |
| | 0 | 0.000004g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000004g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | 0.000004g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.000011g max | Other Impurities | |
| Contact Clip - Plating | 0.000006 | 5% | Gold | 7440-57-5 |
| | 0.000057 | 10% | Nickel | 7440-02-0 |

Material Declaration for H3175-XX

| Product Information | |
|---------------------|--------------------------|
| Part Number: | H3175-05 |
| Part Description: | Sub-Miniature PCB Socket |
| Part Weight (g): | 0.0597 |

| 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 Shell - Brass | 0.0344 | 2% | Copper | 7440-50-8 |
| | 0.0203 | 1% | Zinc | 7440-66-6 |
| | 0.00169 | 0.5% | Lead | 7439-92-1 |
| | 0 | 0.000169g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000113g max | Tin (impurity only) | 7440-31-5 |
| | 0 | 0.000169g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | 0.000028g max | Aluminium (impurity only) | 7429-90-5 |
| Contact Shell - Plating | 0 | 0.000113g max | Other Impurities | |
| | 0.000107 | 5% | Gold | 7440-57-5 |
| | 0.000984 | 10% | Nickel | 7440-02-0 |
| Contact Clip - Beryllium Copper | 0.00207 | 1% | Copper | 7440-50-8 |
| | 0.00004 | 0.5% | Beryllium | 7440-41-7 |
| | 0 | 0.000006g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | 0.000006g max | Cobalt (impurity only) | 7440-48-4 |
| | 0 | 0.000004g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000004g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | 0.000004g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.000011g max | Other Impurities | |
| Contact Clip - Plating | 0.000006 | 5% | Gold | 7440-57-5 |
| | 0.000057 | 10% | Nickel | 7440-02-0 |




Material Declaration for H3175-XX

| Product Information | |
|---------------------|--------------------------|
| Part Number: | H3175-46 |
| Part Description: | Sub-Miniature PCB Socket |
| Part Weight (g): | 0.0614 |

| 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 | 0.0344 | 2% | Copper | 7440-50-8 |
| | 0.0203 | 1% | Zinc | 7440-66-6 |
| | 0.00169 | 0.5% | Lead | 7439-92-1 |
| | 0 | 0.000169g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000113g max | Tin (impurity only) | 7440-31-5 |
| | 0 | 0.000169g max | Nickel (impurity only) | 7440-02-0 |
| Contact Shell - Plating | 0 | 0.000028g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | 0.000113g max | Other Impurities | |
| | 0.00161 | 5% | Tin | 7440-31-5 |
| | 0.000984 | 10% | Nickel | 7440-02-0 |
| Contact Clip - Beryllium Copper | 0.00207 | 1% | Copper | 7440-50-8 |
| | 0.00004 | 0.5% | Beryllium | 7440-41-7 |
| | 0 | 0.000006g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | 0.000006g max | Cobalt (impurity only) | 7440-48-4 |
| | 0 | 0.000004g max | Iron (impurity only) | 7439-89-6 |
| | 0 | 0.000004g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | 0.000004g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.000011g max | Other Impurities | |
| Contact Clip - Plating | 0.000139 | 5% | Tin | 7440-31-5 |
| | 0.000136 | 10% | Nickel | 7440-02-0 |

Prepared by: 

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

On behalf of:

