

## Material Declaration for KA1-0400005

| Product Information |                     |
|---------------------|---------------------|
| Part Number:        | KA1-0400005         |
| Part Description:   | Kona Female Contact |
| Part Weight (g):    | 1.324               |

| Process Data          |                  |
|-----------------------|------------------|
| Peak Reflow (Deg. C)  | n/a              |
| Termination Finish    | Gold over Nickel |
| RoHS Compliant? (Y/N) | Yes              |

| Homogeneous Material Location    | Weight (g) | Tolerance     | Substance Name            | CAS #     |
|----------------------------------|------------|---------------|---------------------------|-----------|
| Contact Shell - Beryllium Copper | 1.225      | 2%            | Copper                    | 7440-50-8 |
|                                  | 0.0238     | 0.40%         | Beryllium                 | 7440-41-7 |
|                                  | 0.00376    | 0.80%         | Nickel                    | 7440-02-0 |
|                                  | 0.00502    | 0.80%         | Lead                      | 7439-92-1 |
|                                  | 0          | 0.000376g max | Cobalt (impurity only)    | 7440-48-4 |
| Contact Shell - Plating          | 0          | 0.00251g max  | Iron (impurity only)      | 7439-89-6 |
|                                  | 0          | 0.00251g max  | Aluminium (impurity only) | 7429-90-5 |
|                                  | 0          | 0.00251g max  | Silicon (impurity only)   | 7440-21-3 |
|                                  | 0.00733    | 5%            | Gold                      | 7440-57-5 |
|                                  | 0.00769    | 10%           | Nickel                    | 7440-02-0 |
| Contact Collar - Cupro Nickel    | 0.00481    | 10%           | Copper                    | 7440-50-8 |
|                                  | 0.045      | 2%            | Copper                    | 7440-50-8 |
|                                  | 0.000287   | 0.40%         | Silicon                   | 7440-21-3 |
|                                  | 0.000727   | 0.80%         | Nickel                    | 7440-02-0 |
|                                  | 0.000082   | 0.80%         | Magnesium                 | 7439-95-4 |
|                                  | 0          | 0.000073g max | Cobalt (impurity only)    | 7440-48-4 |
|                                  | 0          | 0.000094g max | Iron (impurity only)      | 7439-89-6 |
|                                  | 0          | 0.000469g max | Zinc (impurity only)      | 7440-66-6 |
|                                  | 0          | 0.000047g max | Manganese (impurity only) | 7439-96-5 |
|                                  | 0          | 0.000023g max | Lead (impurity only)      | 7439-92-1 |
|                                  | 0          | 0.000127g max | Other Impurities          |           |
|                                  | 0.000929   | 10%           | Nickel                    | 7440-02-0 |

Prepared by:



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

On behalf of:

