

# Material Declaration for M80-313

| Product Information |                               |
|---------------------|-------------------------------|
| Part Number:        | M80-313                       |
| Part Description:   | Datamate Mix-Tek Coax contact |
| Part Weight (g):    | 0.3                           |

| 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  | 0.216      | 2%            | Copper                    | 7440-50-8 |
|                                   | 0.0042     | 0.40%         | Beryllium                 | 7440-41-7 |
|                                   | 0.000884   | 1%            | Lead                      | 7439-92-1 |
|                                   | 0          | 0.000663g max | Nickel (impurity only)    | 7440-02-0 |
|                                   | 0          | 0.000663g max | Cobalt (impurity only)    | 7440-48-4 |
|                                   | 0          | 0.000442g max | Iron (impurity only)      | 7439-89-6 |
|                                   | 0          | 0.000442g max | Aluminium (impurity only) | 7429-90-5 |
|                                   | 0          | 0.000442g max | Silicon (impurity only)   | 7440-21-3 |
|                                   | 0          | 0.00111g max  | Other Impurities          |           |
|                                   | 0          |               |                           |           |
| Contact Shell - Plating           | 0.000812   | 5%            | Gold                      | 7440-57-5 |
|                                   | 0.00201    | 10%           | Nickel                    | 7440-02-0 |
|                                   |            |               |                           |           |
|                                   |            |               |                           |           |
| Insulators                        | 0.0209     | 5%            | PTFE                      | 9002-84-0 |
|                                   |            |               |                           |           |
| Central Contact - Phosphor Bronze | 0.0114     | 4%            | Copper                    | 7440-50-8 |
|                                   | 0.000513   | 1%            | Tin                       | 7440-31-5 |
|                                   | 0.000032   | 0.80%         | Phosphorus                | 7723-14-0 |
|                                   | 0.000385   | 3%            | Zinc                      | 7440-66-6 |
|                                   | 0.000051   | 1%            | Lead                      | 7439-92-1 |
|                                   | 0          | 0.000026g max | Nickel (impurity only)    | 7440-02-0 |
|                                   | 0          | 0.000013g max | Iron (impurity only)      | 7439-89-6 |
| Central Contact - Plating         | 0.000418   | 10%           | Gold                      | 7440-57-5 |
|                                   | 0.000317   | 10%           | Nickel                    | 7440-02-0 |
| Rear Cover - Brass                |            |               |                           |           |
|                                   | 0.015      | 2%            | Copper                    | 7440-50-8 |
|                                   | 0.0101     | 1%            | Zinc                      | 7440-66-6 |
|                                   | 0.000777   | 0.50%         | Lead                      | 7439-92-1 |
|                                   | 0          | 0.000078g max | Iron (impurity only)      | 7439-89-6 |
|                                   | 0          | 0.000078g max | Tin (impurity only)       | 7440-31-5 |
|                                   | 0          | 0.000078g max | Nickel (impurity only)    | 7440-02-0 |
| Rear Cover - Plating              | 0          | 0.000013g max | Aluminium (impurity only) | 7429-90-5 |
|                                   | 0          | 0.000052g max | Other Impurities          |           |
|                                   | 0.00008    | 5%            | Gold                      | 7440-57-5 |
|                                   | 0.000198   | 10%           | Nickel                    | 7440-02-0 |
|                                   | 0.000166   | 10%           | Copper                    | 7440-50-8 |
|                                   |            |               |                           |           |
|                                   |            |               |                           |           |
| Corner Contacts - Phosphor Bronze | 0.0133     | 4%            | Copper                    | 7440-50-8 |
|                                   | 0.000598   | 1%            | Tin                       | 7440-31-5 |
|                                   | 0.000038   | 0.80%         | Phosphorus                | 7723-14-0 |
|                                   | 0.000448   | 3%            | Zinc                      | 7440-66-6 |
|                                   | 0.00006    | 1%            | Lead                      | 7439-92-1 |
|                                   | 0          | 0.00003g max  | Nickel (impurity only)    | 7440-02-0 |
|                                   | 0          | 0.000014g max | Iron (impurity only)      | 7439-89-6 |
| Corner Contacts - Plating         | 0.000084   | 10%           | Gold                      | 7440-57-5 |
|                                   | 0.000208   | 10%           | Nickel                    | 7440-02-0 |
|                                   | 0.000174   | 10%           | Copper                    | 7440-50-8 |
|                                   |            |               |                           |           |

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On behalf of:

**HARWIN**