

# Material Declaration for M80-5L10405M5-02-333-00-000

| Product Information |                             |
|---------------------|-----------------------------|
| Part Number:        | M80-5L10405M5-02-333-00-000 |
| Part Description:   | 2mm Horiz + Power Datamate  |
| Part Weight (g):    | 2.89                        |

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

| Homogeneous Material Location     | Weight (g) | Tolerance     | Substance Name                    | CAS #      |
|-----------------------------------|------------|---------------|-----------------------------------|------------|
| Signal Contacts - Phosphor Bronze | 0.0829     | 5%            | Copper                            | 7440-50-8  |
|                                   | 0.00437    | 2%            | Tin                               | 7440-31-5  |
|                                   | 0.000166   | 1%            | Phosphorus                        | 7723-14-0  |
|                                   | 0          | 0.000262g max | Zinc (impurity only)              | 7440-66-6  |
|                                   | 0          | 0.000086g max | Iron (impurity only)              | 7439-89-6  |
|                                   | 0          | 0.000044g max | Lead (impurity only)              | 7439-92-1  |
|                                   | 0          | 0.000438g max | Other Impurities                  |            |
| Contacts - Plating                | 0.00115    | 5%            | Gold                              | 7440-57-5  |
|                                   | 0.000902   | 10%           | Nickel                            | 7440-02-0  |
| Power Contacts - Beryllium Copper | 0.914      | 4%            | Copper                            | 7440-50-8  |
|                                   | 0.0178     | 1.2%          | Beryllium                         | 7440-41-7  |
|                                   | 0.00374    | 2%            | Lead                              | 7439-92-1  |
|                                   | 0          | 0.00281g max  | Nickel (impurity only)            | 7440-02-0  |
|                                   | 0          | 0.00281g max  | Cobalt (impurity only)            | 7440-48-4  |
|                                   | 0          | 0.00187g max  | Iron (impurity only)              | 7439-89-6  |
|                                   | 0          | 0.00187g max  | Aluminium (impurity only)         | 7429-90-5  |
|                                   | 0          | 0.00187g max  | Silicon (impurity only)           | 7440-21-3  |
|                                   | 0          | 0.00468g max  | Other Impurities                  |            |
|                                   | 0.00152    | 5%            | Gold                              | 7440-57-5  |
|                                   | 0.00375    | 10%           | Nickel                            | 7440-02-0  |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
| Jackscrews - Stainless Steel      | 0.641      | 10%           | Iron                              | 7439-89-6  |
|                                   | 0.159      | 4%            | Chromium (Metallic)               | 7440-47-3  |
|                                   | 0.0793     | 4%            | Nickel                            | 7440-02-0  |
|                                   | 0.0022     | 0.5%          | Sulphur                           | 7704-34-9  |
|                                   | 0          | 0.00106g max  | Carbon (impurity only)            | 7440-44-0  |
|                                   | 0          | 0.00881g max  | Silicon (impurity only)           | 7440-21-3  |
|                                   | 0          | 0.0176g max   | Manganese (impurity only)         | 7439-96-5  |
|                                   | 0          | 0.000528g max | Phosphorus (impurity only)        | 7723-14-0  |
|                                   | 0          | 0.00881g max  | Molybdenum (impurity only)        | 7439-98-7  |
|                                   | 0          | 0.00176g max  | Niobium (impurity only)           | 7440-03-1  |
|                                   | 0          | 0.000882g max | Titanium (impurity only)          | 7440-32-6  |
|                                   | 0          | 0.00617g max  | Copper (impurity only)            | 7440-50-8  |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
|                                   |            |               |                                   |            |
| Jackscrew Bolts - Stainless Steel | 0.326      | 10%           | Iron                              | 7439-89-6  |
|                                   | 0.0806     | 4%            | Chromium (Metallic)               | 7440-47-3  |
|                                   | 0.0403     | 4%            | Nickel                            | 7440-02-0  |
|                                   | 0.00112    | 0.5%          | Sulphur                           | 7704-34-9  |
|                                   | 0          | 0.000538g max | Carbon (impurity only)            | 7440-44-0  |
|                                   | 0          | 0.00448g max  | Silicon (impurity only)           | 7440-21-3  |
|                                   | 0          | 0.00896g max  | Manganese (impurity only)         | 7439-96-5  |
|                                   | 0          | 0.000268g max | Phosphorus (impurity only)        | 7723-14-0  |
|                                   | 0          | 0.00448g max  | Molybdenum (impurity only)        | 7439-98-7  |
|                                   | 0          | 0.000896g max | Niobium (impurity only)           | 7440-03-1  |
|                                   | 0          | 0.000448g max | Titanium (impurity only)          | 7440-32-6  |
|                                   | 0          | 0.00313g max  | Copper (impurity only)            | 7440-50-8  |
|                                   |            |               |                                   |            |
| Moulding (total weight)           | 0.53       | 10%           | 30% Glass-Filled PPS              |            |
| Containing:                       | 0.371      | 10%           | PPS                               | 26125-40-6 |
|                                   | 0.159      | 10%           | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:                 |            |               | Antimony                          |            |
|                                   |            |               | Other Brominated Flame Retardants |            |

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On behalf of:

**HARWIN**