

# Material Declaration for M83-LFT1F4NXX-0000-000

| Product Information |                        |
|---------------------|------------------------|
| Part Number:        | M83-LFT1F4NXX-0000-000 |
| Part Description:   | 2mm PC Tail Datamate   |
| Part Weight (g):    | (0.0764 * XX) + 0.854  |

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

| Homogeneous Material Location      | Weight (g)             | Tolerance            | Substance Name                    | CAS #      |
|------------------------------------|------------------------|----------------------|-----------------------------------|------------|
| Contact Shell - Brass              | 0.0296 * XX            | 2%                   | Copper                            | 7440-50-8  |
|                                    | 0.0165 * XX            | 1%                   | Zinc                              | 7440-66-6  |
|                                    | 0.00141 * XX           | 0.5%                 | Lead                              | 7439-92-1  |
|                                    | 0                      | (0.000141 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                    | 0                      | (0.000141 * XX)g max | Tin (impurity only)               | 7440-31-5  |
|                                    | 0                      | (0.000141 * XX)g max | Nickel (impurity only)            | 7440-02-0  |
| Contact Shell - Plating            | 0                      | (0.000024 * XX)g max | Aluminium (impurity only)         | 7429-90-5  |
|                                    | 0                      | (0.000246 * XX)g max | Other Impurities                  |            |
|                                    | 0.000212 * XX          | 5%                   | Gold                              | 7440-57-5  |
|                                    | 0.000525 * XX          | 10%                  | Nickel                            | 7440-02-0  |
|                                    | 0.000438 * XX          | 10%                  | Copper                            | 7440-50-8  |
|                                    |                        |                      |                                   |            |
| Contact Clip - Beryllium Copper    | 0.00207 * XX           | 1%                   | Copper                            | 7440-50-8  |
|                                    | 0.00004 * XX           | 0.5%                 | Beryllium                         | 7440-41-7  |
|                                    | 0                      | (0.000006 * XX)g max | Nickel (impurity only)            | 7440-02-0  |
|                                    | 0                      | (0.000006 * XX)g max | Cobalt (impurity only)            | 7440-48-4  |
|                                    | 0                      | (0.000004 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                    | 0                      | (0.000004 * XX)g max | Aluminium (impurity only)         | 7429-90-5  |
| Contact Clip - Plating             | 0                      | (0.000004 * XX)g max | Silicon (impurity only)           | 7440-21-3  |
|                                    | 0                      | (0.000011 * XX)g max | Other Impurities                  |            |
|                                    | 0.000058 * XX          | 10%                  | Nickel                            | 7440-02-0  |
|                                    | 0.000006 * XX          | 5%                   | Gold                              | 7440-57-5  |
|                                    |                        |                      |                                   |            |
|                                    |                        |                      |                                   |            |
| Jackscrew Guides - Stainless Steel | 0.249                  | 10%                  | Iron                              | 7439-89-6  |
|                                    | 0.0617                 | 4%                   | Chromium (Metallic)               | 7440-47-3  |
|                                    | 0.0308                 | 4%                   | Nickel                            | 7440-02-0  |
|                                    | 0.0024                 | 0.8%                 | Copper                            | 7440-50-8  |
|                                    | 0.000856               | 0.5%                 | Sulphur                           | 7704-34-9  |
|                                    | 0                      | 0.000411g max        | Carbon (impurity only)            | 7440-44-0  |
|                                    | 0                      | 0.00342g max         | Silicon (impurity only)           | 7440-21-3  |
|                                    | 0                      | 0.00686g max         | Manganese (impurity only)         | 7439-96-5  |
|                                    | 0                      | 0.000205g max        | Phosphorus (impurity only)        | 7723-14-0  |
|                                    | 0                      | 0.00342g max         | Molybdenum (impurity only)        | 7439-98-7  |
|                                    | 0                      | 0.000686g max        | Niobium (impurity only)           | 7440-03-1  |
|                                    | 0                      | 0.000342g max        | Titanium (impurity only)          | 7440-32-6  |
| Moulding (total weight)            | (0.0255 * XX) + 0.509  | 10%                  | 30% Glass-Filled PPS              |            |
| Containing:                        | (0.0179 * XX) + 0.356  | 10%                  | PPS                               | 26125-40-6 |
|                                    | (0.00765 * XX) + 0.153 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:                  |                        |                      | Antimony                          |            |
|                                    |                        |                      | Other Brominated Flame Retardants |            |
|                                    |                        |                      |                                   |            |

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On behalf of:

**HARWIN**