

## Material Declaration for M80-412XXXX

| Product Information |                              |
|---------------------|------------------------------|
| Part Number:        | M80-412XX01                  |
| Part Description:   | 2mm Vertical Female Datamate |
| Part Weight (g):    | (0.0755 * XX) + 0.144        |

| Process Data          |                                   |
|-----------------------|-----------------------------------|
| Peak Reflow (Deg. C)  | 235°C for 5 seconds               |
| Termination Finish    | 90/10 Tin/Lead over Nickel/Copper |
| RoHS Compliant? (Y/N) | No                                |

Note: RoHS compliant by threshold values, lead intentionally added, not recommended for Lead-Free Soldering.

| Homogeneous Material Location   | Weight (g)              | Tolerance            | Substance Name                    | CAS #      |
|---------------------------------|-------------------------|----------------------|-----------------------------------|------------|
| Contact Shell - Brass           | 0.0279 * XX             | 2%                   | Copper                            | 7440-50-8  |
|                                 | 0.0187 * XX             | 1%                   | Zinc                              | 7440-66-6  |
|                                 | 0.00144 * XX            | 0.5%                 | Lead                              | 7439-92-1  |
|                                 | 0                       | (0.000144 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                 | 0                       | (0.000144 * XX)g max | Tin (impurity only)               | 7440-31-5  |
|                                 | 0                       | (0.000144 * 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                       | (0.00024 * XX)g max  | Other Impurities                  |            |
|                                 | 0.000948 * XX           | 5%                   | Tin                               | 7440-31-5  |
|                                 | 0.000163 * XX           | 5%                   | Lead                              | 7439-92-1  |
| Contact Clip - Beryllium Copper | 0.000482 * XX           | 10%                  | Nickel                            | 7440-02-0  |
|                                 | 0.000321 * XX           | 10%                  | Copper                            | 7440-50-8  |
|                                 | 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  |
| Contact Clip - Plating          | 0                       | (0.000004 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                 | 0                       | (0.000004 * XX)g max | Aluminium (impurity only)         | 7429-90-5  |
|                                 | 0                       | (0.000004 * XX)g max | Silicon (impurity only)           | 7440-21-3  |
|                                 | 0                       | (0.000011 * XX)g max | Other Impurities                  |            |
|                                 | 0.000057 * XX           | 10%                  | Nickel                            | 7440-02-0  |
|                                 | 0.000006 * XX           | 5%                   | Gold                              | 7440-57-5  |
| Moulding (total weight)         | (0.0234 * XX) + 0.144   | 10%                  | 30% Glass-Filled PPS              |            |
| Containing:                     | (0.0164 * XX) + 0.101   | 10%                  | PPS                               | 26125-40-6 |
|                                 | (0.00702 * XX) + 0.0432 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:               |                         |                      | Antimony                          |            |
|                                 |                         |                      | Other Brominated Flame Retardants |            |

## Material Declaration for M80-412XXXX

| Product Information |                              |
|---------------------|------------------------------|
| Part Number:        | M80-412XX05                  |
| Part Description:   | 2mm Vertical Female Datamate |
| Part Weight (g):    | (0.0747 * XX) + 0.144        |

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

| Homogeneous Material Location   | Weight (g)              | Tolerance            | Substance Name                    | CAS #      |
|---------------------------------|-------------------------|----------------------|-----------------------------------|------------|
| Contact Shell - Brass           | 0.0279 * XX             | 2%                   | Copper                            | 7440-50-8  |
|                                 | 0.0187 * XX             | 1%                   | Zinc                              | 7440-66-6  |
|                                 | 0.00144 * XX            | 0.5%                 | Lead                              | 7439-92-1  |
|                                 | 0                       | (0.000144 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                 | 0                       | (0.000144 * XX)g max | Tin (impurity only)               | 7440-31-5  |
|                                 | 0                       | (0.000144 * 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                       | (0.00024 * XX)g max  | Other Impurities                  |            |
|                                 | 0.000195 * XX           | 5%                   | Gold                              | 7440-57-5  |
|                                 | 0.000482 * XX           | 10%                  | Nickel                            | 7440-02-0  |
| Contact Clip - Beryllium Copper | 0.000402 * XX           | 10%                  | Copper                            | 7440-50-8  |
|                                 | 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  |
|                                 | 0                       | (0.000004 * XX)g max | Silicon (impurity only)           | 7440-21-3  |
|                                 | 0                       | (0.000011 * XX)g max | Other Impurities                  |            |
|                                 | 0.000057 * XX           | 10%                  | Nickel                            | 7440-02-0  |
| Contact Clip - Plating          | 0.000006 * XX           | 5%                   | Gold                              | 7440-57-5  |
|                                 |                         |                      |                                   |            |
| Moulding (total weight)         | (0.0234 * XX) + 0.144   | 10%                  | 30% Glass-Filled PPS              |            |
| Containing:                     | (0.0164 * XX) + 0.101   | 10%                  | PPS                               | 26125-40-6 |
|                                 | (0.00702 * XX) + 0.0432 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:               |                         |                      | Antimony                          |            |
|                                 |                         |                      | Other Brominated Flame Retardants |            |
|                                 |                         |                      |                                   |            |


## Material Declaration for M80-412XXXX

| Product Information |                              |
|---------------------|------------------------------|
| Part Number:        | M80-412XX42                  |
| Part Description:   | 2mm Vertical Female Datamate |
| Part Weight (g):    | (0.0755 * XX) + 0.144        |

| Process Data          |                             |
|-----------------------|-----------------------------|
| Peak Reflow (Deg. C)  | 260°C for 10 seconds        |
| Termination Finish    | 100% Tin over Nickel/Copper |
| 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           | 0.0279 * XX             | 2%                   | Copper                            | 7440-50-8  |
|                                 | 0.0187 * XX             | 1%                   | Zinc                              | 7440-66-6  |
|                                 | 0.00144 * XX            | 0.5%                 | Lead                              | 7439-92-1  |
|                                 | 0                       | (0.000144 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                 | 0                       | (0.000144 * XX)g max | Tin (impurity only)               | 7440-31-5  |
| Contact Shell - Plating         | 0                       | (0.000144 * XX)g max | Nickel (impurity only)            | 7440-02-0  |
|                                 | 0                       | (0.000024 * XX)g max | Aluminium (impurity only)         | 7429-90-5  |
|                                 | 0                       | (0.00024 * XX)g max  | Other Impurities                  |            |
|                                 | 0.00105 * XX            | 5%                   | Tin                               | 7440-31-5  |
|                                 | 0.000482 * XX           | 10%                  | Nickel                            | 7440-02-0  |
| Contact Clip - Beryllium Copper | 0.000321 * XX           | 10%                  | Copper                            | 7440-50-8  |
|                                 | 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  |
|                                 | 0                       | (0.000004 * XX)g max | Silicon (impurity only)           | 7440-21-3  |
|                                 | 0                       | (0.000011 * XX)g max | Other Impurities                  |            |
|                                 | 0.000057 * XX           | 10%                  | Nickel                            | 7440-02-0  |
| Contact Clip - Plating          | 0.000006 * XX           | 5%                   | Gold                              | 7440-57-5  |
|                                 |                         |                      |                                   |            |
|                                 |                         |                      |                                   |            |
| Moulding (total weight)         | (0.0234 * XX) + 0.144   | 10%                  | 30% Glass-Filled PPS              |            |
| Containing:                     | (0.0164 * XX) + 0.101   | 10%                  | PPS                               | 26125-40-6 |
|                                 | (0.00702 * XX) + 0.0432 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:               |                         |                      | Antimony                          |            |
|                                 |                         |                      | Other Brominated Flame Retardants |            |

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On behalf of: 