

# Material Declaration for M80-828XXXXP

| Product Information |                         |
|---------------------|-------------------------|
| Part Number:        | M80-828XX22P            |
| Part Description:   | 2mm pitch Vert Datamate |
| Part Weight (g):    | (0.0368 * XX) + 0.31    |

| Process Data          |                      |
|-----------------------|----------------------|
| Peak Reflow (Deg. C)  | 235°C for 5 seconds  |
| Termination Finish    | Tin/Lead over Nickel |
| 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 #      |           |
|-----------------------------------|-------------------------|----------------------|-----------------------------------|------------|-----------|
| Contacts - Phosphor Bronze        | 0.0132 * XX             | 2%                   | Copper                            | 7440-50-8  |           |
|                                   | 0.000696 * XX           | 1%                   | Tin                               | 7440-31-5  |           |
|                                   | 0.000026 * XX           | 0.3%                 | Phosphorus                        | 7723-14-0  |           |
|                                   | 0                       | (0.000042 * XX)g max | Zinc (impurity only)              | 7440-66-6  |           |
|                                   | 0                       | (0.000014 * XX)g max | Iron (impurity only)              | 7439-89-6  |           |
|                                   | 0                       | (0.000007 * XX)g max | Lead (impurity only)              | 7439-92-1  |           |
| Contacts - Plating                | 0                       | (0.00007 * XX)g max  | Other Impurities                  |            |           |
|                                   | 0.000066 * XX           | 5%                   | Gold                              | 7440-57-5  |           |
|                                   | 0.000118 * XX           | 5%                   | Tin                               | 7440-31-5  |           |
|                                   | 0.00002 * XX            | 5%                   | Lead                              | 7439-92-1  |           |
|                                   | 0.000147 * XX           | 10%                  | Nickel                            | 7440-02-0  |           |
| Latches - Beryllium Copper        | 0.0965                  | 2%                   | Copper                            | 7440-50-8  |           |
|                                   | 0.00167                 | 0.2%                 | Beryllium                         | 7440-41-7  |           |
|                                   | 0                       | 0.000294g max        | Nickel (impurity only)            | 7440-02-0  |           |
|                                   | 0                       | 0.000294g max        | Cobalt (impurity only)            | 7440-48-4  |           |
|                                   | 0                       | 0.000196g max        | Iron (impurity only)              | 7439-89-6  |           |
|                                   | 0                       | 0.000196g max        | Aluminium (impurity only)         | 7429-90-5  |           |
|                                   | 0                       | 0.000196g max        | Silicon (impurity only)           | 7440-21-3  |           |
|                                   | 0                       | 0.000492g max        | Other Impurities                  |            |           |
|                                   | Latches - Plating       | 0.00146              | 10%                               | Nickel     | 7440-02-0 |
|                                   |                         |                      |                                   |            |           |
| Moulding (total weight)           | (0.0225 * XX) + 0.0885  | 10%                  | 30% Glass-Filled PPS              |            |           |
| Containing:                       | (0.0158 * XX) + 0.062   | 10%                  | PPS                               | 26125-40-6 |           |
|                                   | (0.00675 * XX) + 0.0266 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |           |
| Does not contain:                 |                         |                      | Antimony                          |            |           |
|                                   |                         |                      | Other Brominated Flame Retardants |            |           |
| Pick and Place Cap (total weight) | 0.122                   | 5%                   | 30% GF PA46                       |            |           |
| Containing:                       | 0.0598                  | 5%                   | Polyamide 46                      | 50327-22-5 |           |
|                                   | 0.0366                  | 5%                   | 30% Glass Fibre                   | 65997-17-3 |           |
|                                   | 0.0061                  | 5%                   | Antimony Trioxide                 | 1309-64-4  |           |
|                                   | 0.0183                  | 5%                   | Other Brominated Flame Retardants |            |           |
|                                   | 0.00122                 | 5%                   | Carbon Black                      | 1333-86-4  |           |
|                                   |                         |                      |                                   |            |           |

## Material Declaration for M80-828XXXXP

| Product Information |                         |
|---------------------|-------------------------|
| Part Number:        | M80-828XX42P            |
| Part Description:   | 2mm pitch Vert Datamate |
| Part Weight (g):    | (0.0368 * XX) + 0.31    |

| Process Data          |                      |
|-----------------------|----------------------|
| Peak Reflow (Deg. C)  | 260°C for 10 seconds |
| Termination Finish    | 100% Tin over Nickel |
| 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 #      |           |
|-----------------------------------|-------------------------|----------------------|-----------------------------------|------------|-----------|
| Contacts - Phosphor Bronze        | 0.0132 * XX             | 2%                   | Copper                            | 7440-50-8  |           |
|                                   | 0.000696 * XX           | 1%                   | Tin                               | 7440-31-5  |           |
|                                   | 0.000026 * XX           | 0.3%                 | Phosphorus                        | 7723-14-0  |           |
|                                   | 0                       | (0.000042 * XX)g max | Zinc (impurity only)              | 7440-66-6  |           |
|                                   | 0                       | (0.000014 * XX)g max | Iron (impurity only)              | 7439-89-6  |           |
|                                   | 0                       | (0.000007 * XX)g max | Lead (impurity only)              | 7439-92-1  |           |
| Contacts - Plating                | 0                       | (0.00007 * XX)g max  | Other Impurities                  |            |           |
|                                   | 0.000066 * XX           | 5%                   | Gold                              | 7440-57-5  |           |
|                                   | 0.000131 * XX           | 5%                   | Tin                               | 7440-31-5  |           |
|                                   | 0.000147 * XX           | 10%                  | Nickel                            | 7440-02-0  |           |
| Latches - Beryllium Copper        | 0.0965                  | 2%                   | Copper                            | 7440-50-8  |           |
|                                   | 0.00167                 | 0.2%                 | Beryllium                         | 7440-41-7  |           |
|                                   | 0                       | 0.000294g max        | Nickel (impurity only)            | 7440-02-0  |           |
|                                   | 0                       | 0.000294g max        | Cobalt (impurity only)            | 7440-48-4  |           |
|                                   | 0                       | 0.000196g max        | Iron (impurity only)              | 7439-89-6  |           |
|                                   | 0                       | 0.000196g max        | Aluminium (impurity only)         | 7429-90-5  |           |
|                                   | 0                       | 0.000196g max        | Silicon (impurity only)           | 7440-21-3  |           |
|                                   | 0                       | 0.000492g max        | Other Impurities                  |            |           |
|                                   | Latches - Plating       | 0.00146              | 10%                               | Nickel     | 7440-02-0 |
|                                   |                         |                      |                                   |            |           |
| Moulding (total weight)           | (0.0225 * XX) + 0.0885  | 10%                  | 30% Glass-Filled PPS              |            |           |
| Containing:                       | (0.0158 * XX) + 0.062   | 10%                  | PPS                               | 26125-40-6 |           |
|                                   | (0.00675 * XX) + 0.0266 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |           |
| Does not contain:                 |                         |                      | Antimony                          |            |           |
|                                   |                         |                      | Other Brominated Flame Retardants |            |           |
| Pick and Place Cap (total weight) | 0.122                   | 5%                   | 30% GF PA46                       |            |           |
| Containing:                       | 0.0598                  | 5%                   | Polyamide 46                      | 50327-22-5 |           |
|                                   | 0.0366                  | 5%                   | 30% Glass Fibre                   | 65997-17-3 |           |
|                                   | 0.0061                  | 5%                   | Antimony Trioxide                 | 1309-64-4  |           |
|                                   | 0.0183                  | 5%                   | Other Brominated Flame Retardants |            |           |
|                                   | 0.00122                 | 5%                   | Carbon Black                      | 1333-86-4  |           |
|                                   |                         |                      |                                   |            |           |

## Material Declaration for M80-828XXXXP

| Product Information |                         |
|---------------------|-------------------------|
| Part Number:        | M80-828XX45P            |
| Part Description:   | 2mm pitch Vert Datamate |
| Part Weight (g):    | (0.0368 * XX) + 0.31    |

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

| Homogeneous Material Location     | Weight (g)              | Tolerance            | Substance Name                    | CAS #      |
|-----------------------------------|-------------------------|----------------------|-----------------------------------|------------|
| Contacts - Phosphor Bronze        | 0.0132 * XX             | 2%                   | Copper                            | 7440-50-8  |
|                                   | 0.000696 * XX           | 1%                   | Tin                               | 7440-31-5  |
|                                   | 0.000026 * XX           | 0.3%                 | Phosphorus                        | 7723-14-0  |
|                                   | 0                       | (0.000042 * XX)g max | Zinc (impurity only)              | 7440-66-6  |
|                                   | 0                       | (0.000014 * XX)g max | Iron (impurity only)              | 7439-89-6  |
|                                   | 0                       | (0.000007 * XX)g max | Lead (impurity only)              | 7439-92-1  |
| Contacts - Plating                | 0                       | (0.00007 * XX)g max  | Other Impurities                  |            |
|                                   | 0.000188 * XX           | 5%                   | Gold                              | 7440-57-5  |
|                                   | 0.000147 * XX           | 10%                  | Nickel                            | 7440-02-0  |
| Latches - Beryllium Copper        | 0.0965                  | 2%                   | Copper                            | 7440-50-8  |
|                                   | 0.00167                 | 0.2%                 | Beryllium                         | 7440-41-7  |
|                                   | 0                       | 0.000294g max        | Nickel (impurity only)            | 7440-02-0  |
|                                   | 0                       | 0.000294g max        | Cobalt (impurity only)            | 7440-48-4  |
|                                   | 0                       | 0.000196g max        | Iron (impurity only)              | 7439-89-6  |
|                                   | 0                       | 0.000196g max        | Aluminium (impurity only)         | 7429-90-5  |
|                                   | 0                       | 0.000196g max        | Silicon (impurity only)           | 7440-21-3  |
|                                   | 0                       | 0.000492g max        | Other Impurities                  |            |
| Latches - Plating                 | 0.00146                 | 10%                  | Nickel                            | 7440-02-0  |
| Moulding (total weight)           | (0.0225 * XX) + 0.0885  | 10%                  | 30% Glass-Filled PPS              |            |
| Containing:                       | (0.0158 * XX) + 0.062   | 10%                  | PPS                               | 26125-40-6 |
|                                   | (0.00675 * XX) + 0.0266 | 10%                  | 30% Glass Fibre                   | 65997-17-3 |
| Does not contain:                 |                         |                      | Antimony                          |            |
|                                   |                         |                      | Other Brominated Flame Retardants |            |
| Pick and Place Cap (total weight) | 0.122                   | 5%                   | 30% GF PA46                       |            |
| Containing:                       | 0.0598                  | 5%                   | Polyamide 46                      | 50327-22-5 |
|                                   | 0.0366                  | 5%                   | 30% Glass Fibre                   | 65997-17-3 |
|                                   | 0.0061                  | 5%                   | Antimony Trioxide                 | 1309-64-4  |
|                                   | 0.0183                  | 5%                   | Other Brominated Flame Retardants |            |
|                                   | 0.00122                 | 5%                   | Carbon Black                      | 1333-86-4  |

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