

Material Declaration for M80-706XXXX

| Product Information | |
|---------------------|-----------------------------|
| Part Number: | M80-706XX01 |
| Part Description: | Datamate 3-Row Female Cable |
| Part Weight (g): | (0.0931 * XX) + 1.257 |

| Process Data | |
|-----------------------|-----------------------------|
| Peak Reflow (Deg. C) | n/a |
| 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 | 0.0353 * XX | 2% | Copper | 7440-50-8 |
| | 0.021 * XX | 1% | Zinc | 7440-66-6 |
| | 0.00115 * XX | 0.5% | Lead | 7439-92-1 |
| | 0 | (0.000115 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000115 * XX)g max | Tin (impurity only) | 7440-31-5 |
| | 0 | (0.000172 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| | 0 | (0.000029 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000287 * XX)g max | Other Impurities | |
| | 0.00158 * XX | 5% | Tin | 7440-31-5 |
| | 0.000723 * XX | 10% | Nickel | 7440-02-0 |
| Contact Shell - Plating | 0.000483 * 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 - Beryllium Copper | 0.000006 * XX | 5% | Gold | 7440-57-5 |
| | 0.602 | 5% | Iron | 7439-89-6 |
| | 0.161 | 2% | Chromium (Metallic) | 7440-47-3 |
| | 0.0762 | 2% | Nickel | 7440-02-0 |
| | 0.0135 | 0.8% | Copper | 7440-50-8 |
| | 0.00212 | 0.5% | Sulphur | 7704-34-9 |
| | 0 | 0.000678g max | Carbon (impurity only) | 7440-44-0 |
| | 0 | 0.00847g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.0169g max | Manganese (impurity only) | 7439-96-5 |
| | 0 | 0.000382g max | Phosphorus (impurity only) | 7723-14-0 |
| Contact Clip - Plating | 0 | 0.00508g max | Molybdenum (impurity only) | 7439-98-7 |
| | 0 | 0.000932g max | Nitrogen (impurity only) | 7727-37-9 |
| | 0.00259 | 5% | Iron | 7439-89-6 |
| | 0.000692 | 2% | Chromium (Metallic) | 7440-47-3 |
| | 0.000328 | 2% | Nickel | 7440-02-0 |
| | 0.000058 | 0.8% | Copper | 7440-50-8 |
| | 0.00001 | 0.5% | Sulphur | 7704-34-9 |
| | 0 | 0.000002g max | Carbon (impurity only) | 7440-44-0 |
| | 0 | 0.000036g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.000072g max | Manganese (impurity only) | 7439-96-5 |
| Jackscrews - Stainless Steel | 0 | 0.000002g max | Phosphorus (impurity only) | 7723-14-0 |
| | 0 | 0.000022g max | Molybdenum (impurity only) | 7439-98-7 |
| | 0 | 0.000004g max | Nitrogen (impurity only) | 7727-37-9 |
| | (0.0307 * XX) + 0.399 | 5% | 30% GF PA46 | |
| | (0.0154 * XX) + 0.2 | 5% | PA46 | 50327-22-5 |
| | (0.00921 * XX) + 0.12 | 5% | 30% Glass Fibre | 65997-17-3 |
| | (0.00154 * XX) + 0.02 | 5% | Antimony Trioxide | 1309-64-4 |
| | (0.00461 * XX) + 0.0599 | 5% | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] | |

Material Declaration for M80-706XXXX

| Product Information | |
|---------------------|-----------------------------|
| Part Number: | M80-706XX05 |
| Part Description: | Datamate 3-Row Female Cable |
| Part Weight (g): | (0.0919 * XX) + 1.257 |

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

| Homogeneous Material Location | Weight (g) | Tolerance | Substance Name | CAS # |
|--------------------------------------|-------------------------|----------------------|--|------------|
| Contact Shell - Brass | 0.0353 * XX | 2% | Copper | 7440-50-8 |
| | 0.021 * XX | 1% | Zinc | 7440-66-6 |
| | 0.00115 * XX | 0.5% | Lead | 7439-92-1 |
| | 0 | (0.000115 * XX)g max | Iron (impurity only) | 7439-89-6 |
| | 0 | (0.000115 * XX)g max | Tin (impurity only) | 7440-31-5 |
| | 0 | (0.000172 * XX)g max | Nickel (impurity only) | 7440-02-0 |
| Contact Shell - Plating | 0 | (0.000029 * XX)g max | Aluminium (impurity only) | 7429-90-5 |
| | 0 | (0.000287 * XX)g max | Other Impurities | |
| | 0.000292 * XX | 5% | Gold | 7440-57-5 |
| | 0.000723 * XX | 10% | Nickel | 7440-02-0 |
| | 0.000603 * 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 |
| | 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 |
| | | | | |
| | | | | |
| Jackscrews - Stainless Steel | 0.602 | 5% | Iron | 7439-89-6 |
| | 0.161 | 2% | Chromium (Metallic) | 7440-47-3 |
| | 0.0762 | 2% | Nickel | 7440-02-0 |
| | 0.0135 | 0.8% | Copper | 7440-50-8 |
| | 0.00212 | 0.5% | Sulphur | 7704-34-9 |
| | 0 | 0.000678g max | Carbon (impurity only) | 7440-44-0 |
| | 0 | 0.00847g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.0169g max | Manganese (impurity only) | 7439-96-5 |
| | 0 | 0.000382g max | Phosphorus (impurity only) | 7723-14-0 |
| | 0 | 0.00508g max | Molybdenum (impurity only) | 7439-98-7 |
| | 0 | 0.000932g max | Nitrogen (impurity only) | 7727-37-9 |
| | | | | |
| | | | | |
| | | | | |
| Jackscrew Circlips - Stainless Steel | 0.00259 | 5% | Iron | 7439-89-6 |
| | 0.000692 | 2% | Chromium (Metallic) | 7440-47-3 |
| | 0.000328 | 2% | Nickel | 7440-02-0 |
| | 0.000058 | 0.8% | Copper | 7440-50-8 |
| | 0.00001 | 0.5% | Sulphur | 7704-34-9 |
| | 0 | 0.000002g max | Carbon (impurity only) | 7440-44-0 |
| | 0 | 0.000036g max | Silicon (impurity only) | 7440-21-3 |
| | 0 | 0.000072g max | Manganese (impurity only) | 7439-96-5 |
| | 0 | 0.000002g max | Phosphorus (impurity only) | 7723-14-0 |
| | 0 | 0.000022g max | Molybdenum (impurity only) | 7439-98-7 |
| | 0 | 0.000004g max | Nitrogen (impurity only) | 7727-37-9 |
| | | | | |
| | | | | |
| | | | | |
| Moulding (total weight) | (0.0307 * XX) + 0.399 | 5% | 30% GF PA46 | |
| Containing: | (0.0154 * XX) + 0.2 | 5% | PA46 | 50327-22-5 |
| | (0.00921 * XX) + 0.12 | 5% | 30% Glass Fibre | 65997-17-3 |
| | (0.00154 * XX) + 0.02 | 5% | Antimony Trioxide | 1309-64-4 |
| | (0.00461 * XX) + 0.0599 | 5% | Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)] | |

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On behalf of: **HARWIN**