

Material Declaration for M80-704XXXXA

Product Information	
Part Number:	M80-704XX01A
Part Description:	3-Row 2mm Vert Datamate
Part Weight (g):	(0.0783 * XX) + 1.257

Process Data	
Peak Reflow (Deg. C)	235°C for 5 seconds
Termination Finish	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	0.0252 * XX	2%	Copper	7440-50-8
	0.017 * XX	1%	Zinc	7440-66-6
	0.00131 * XX	0.5%	Lead	7439-92-1
	0	(0.000131 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000131 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000131 * XX)g max	Nickel (impurity only)	7440-02-0
Contact Shell - Plating	0.000932 * XX	5%	Tin	7440-31-5
	0.000161 * XX	5%	Lead	7439-92-1
	0.000473 * XX	10%	Nickel	7440-02-0
	0.000316 * XX	10%	Copper	7440-50-8
	0	(0.000218 * XX)g max	Other Impurities	
	0	(0.000218 * XX)g max		
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	0.000004 * XX	(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
	0.00847g 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)]	

Material Declaration for M80-704XXXXA

Product Information	
Part Number:	M80-704XX05A
Part Description:	3-Row Vert Datamate
Part Weight (g):	(0.0774 * XX) + 1.257

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	0.0252 * XX	2%	Copper	7440-50-8	
	0.017 * XX	1%	Zinc	7440-66-6	
	0.00131 * XX	0.5%	Lead	7439-92-1	
	0	(0.000131 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000131 * XX)g max	Tin (impurity only)	7440-31-5	
	0	(0.000131 * XX)g max	Nickel (impurity only)	7440-02-0	
Contact Shell - Plating	0	(0.000022 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.000218 * XX)g max	Other Impurities		
	0.000191 * XX	5%	Gold	7440-57-5	
	0.000473 * XX	10%	Nickel	7440-02-0	
	0.000395 * 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)]		

Material Declaration for M80-704XXXXA

Product Information	
Part Number:	M80-704XX42A
Part Description:	3-Row Vert Datamate
Part Weight (g):	(0.0782 * XX) + 1.257

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	0.0252 * XX	2%	Copper	7440-50-8
	0.017 * XX	1%	Zinc	7440-66-6
	0.00131 * XX	0.5%	Lead	7439-92-1
	0	(0.000131 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000131 * XX)g max	Tin (impurity only)	7440-31-5
Contact Shell - Plating	0	(0.000131 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.00022 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000218 * XX)g max	Other Impurities	
	0.00104 * XX	5%	Tin	7440-31-5
	0.000473 * XX	10%	Nickel	7440-02-0
Contact Clip - Beryllium Copper	0.000316 * 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
Jackscrews - Stainless Steel	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
Jackscrew Circlips - Stainless Steel	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
	0.00259	5%	Iron	7439-89-6
	0.000692	2%	Chromium (Metallic)	7440-47-3
	0.000328	2%	Nickel	7440-02-0
Moulding (total weight)	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
	(0.0307 * XX) + 0.399	5%	30% GF PA46	
	(0.0154 * XX) + 0.2	5%	PA46	50327-22-5
Containing:	(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**