

Material Declaration for M80-700XXX

Product Information	
Part Number:	M80-700XX05
Part Description:	3-Row Vert Datamate
Part Weight (g):	(0.0424 * XX) + 2.486

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 #
Signal Contacts - Phosphor Bronze	0.014 * XX	2%	Copper	7440-50-8
	0.000739 * XX	1%	Tin	7440-31-5
	0.000028 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000074 * XX)g max	Other Impurities	
Signal Contacts - Plating	0.000196 * XX	5%	Gold	7440-57-5
	0.000153 * XX	10%	Nickel	7440-02-0
Jackscrews - Stainless Steel	0.876	5%	Iron	7439-89-6
	0	0.000984g max	Carbon (impurity only)	7440-44-0
	0	0.0123g max	Silicon (impurity only)	7440-21-3
	0	0.0246g max	Manganese (impurity only)	7439-96-5
	0	0.000554g max	Phosphorus (impurity only)	7723-14-0
	0.234	2%	Chromium (Metallic)	7440-47-3
	0.00308	0.5%	Sulphur	7704-34-9
	0.111	2%	Nickel	7440-02-0
	0	0.00738g max	Molybdenum (impurity only)	7439-98-7
	0	0.00135g max	Nitrogen (impurity only)	7727-37-9
	0.0197	0.8%	Copper	7440-50-8
Jackscrew Nuts - Stainless Steel	0.36	5%	Iron	7439-89-6
	0	0.000404g max	Carbon (impurity only)	7440-44-0
	0	0.00506g max	Silicon (impurity only)	7440-21-3
	0	0.0101g max	Manganese (impurity only)	7439-96-5
	0	0.000228g max	Phosphorus (impurity only)	7723-14-0
	0.0961	2%	Chromium (Metallic)	7440-47-3
	0.00127	0.5%	Sulphur	7704-34-9
	0.0455	2%	Nickel	7440-02-0
	0	0.00304g max	Molybdenum (impurity only)	7439-98-7
	0	0.000556g max	Nitrogen (impurity only)	7727-37-9
	0.0081	0.8%	Copper	7440-50-8
Jackscrew Washers - Stainless Steel	0.144	5%	Iron	7439-89-6
	0	0.000162g max	Carbon (impurity only)	7440-44-0
	0	0.00202g max	Silicon (impurity only)	7440-21-3
	0	0.00404g max	Manganese (impurity only)	7439-96-5
	0	0.00009g max	Phosphorus (impurity only)	7723-14-0
	0.0384	2%	Chromium (Metallic)	7440-47-3
	0.000506	0.5%	Sulphur	7704-34-9
	0.0182	2%	Nickel	7440-02-0
	0	0.00121g max	Molybdenum (impurity only)	7439-98-7
	0	0.000222g max	Nitrogen (impurity only)	7727-37-9
	0.00323	0.8%	Copper	7440-50-8
Moulding (total weight)	(0.0273 * XX) + 0.527	5%	30% GF PA46	
Containing:	(0.0137 * XX) + 0.261	5%	PA46	50327-22-5
	(0.00819 * XX) + 0.158	5%	30% Glass Fibre	65997-17-3
	(0.00137 * XX) + 0.0264	5%	Antimony Trioxide	1309-64-4
	(0.0041 * XX) + 0.0791	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Material Declaration for M80-700XXX

Product Information	
Part Number:	M80-700XX22
Part Description:	3-Row 2mm Vert Datamate
Part Weight (g):	(0.0424 * XX) + 2.486
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 #	
Signal Contacts - Phosphor Bronze	0.014 * XX	2%	Copper	7440-50-8	
	0.000739 * XX	1%	Tin	7440-31-5	
	0.000028 * XX	0.3%	Phosphorus	7723-14-0	
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1	
	0	(0.000074 * XX)g max	Other Impurities		
	Contacts - Plating	0.000066 * XX	5%	Gold	7440-57-5
		0.000118 * XX	5%	Tin	7440-31-5
		0.00002 * XX	5%	Lead	7439-92-1
0.000153 * XX		10%	Nickel	7440-02-0	
Jackscrews - Stainless Steel	0.876	5%	Iron	7439-89-6	
	0	0.000984g max	Carbon (impurity only)	7440-44-0	
	0	0.0123g max	Silicon (impurity only)	7440-21-3	
	0	0.0246g max	Manganese (impurity only)	7439-96-5	
	0	0.000554g max	Phosphorus (impurity only)	7723-14-0	
	0.234	2%	Chromium (Metallic)	7440-47-3	
	0.00308	0.5%	Sulphur	7704-34-9	
	0.111	2%	Nickel	7440-02-0	
	0	0.00738g max	Molybdenum (impurity only)	7439-98-7	
	0	0.00135g max	Nitrogen (impurity only)	7727-37-9	
	0.0197	0.8%	Copper	7440-50-8	
	Jackscrew Nuts - Stainless Steel	0.36	5%	Iron	7439-89-6
		0	0.000404g max	Carbon (impurity only)	7440-44-0
0		0.00506g max	Silicon (impurity only)	7440-21-3	
0		0.0101g max	Manganese (impurity only)	7439-96-5	
0		0.000228g max	Phosphorus (impurity only)	7723-14-0	
0.0961		2%	Chromium (Metallic)	7440-47-3	
0.00127		0.5%	Sulphur	7704-34-9	
0.0455		2%	Nickel	7440-02-0	
0		0.00304g max	Molybdenum (impurity only)	7439-98-7	
0		0.000556g max	Nitrogen (impurity only)	7727-37-9	
0.0081		0.8%	Copper	7440-50-8	
Jackscrew Washers - Stainless Steel		0.144	5%	Iron	7439-89-6
		0	0.000162g max	Carbon (impurity only)	7440-44-0
	0	0.00202g max	Silicon (impurity only)	7440-21-3	
	0	0.00404g max	Manganese (impurity only)	7439-96-5	
	0	0.00009g max	Phosphorus (impurity only)	7723-14-0	
	0.0384	2%	Chromium (Metallic)	7440-47-3	
	0.000506	0.5%	Sulphur	7704-34-9	
	0.0182	2%	Nickel	7440-02-0	
	0	0.00121g max	Molybdenum (impurity only)	7439-98-7	
	0	0.000222g max	Nitrogen (impurity only)	7727-37-9	
	0.00323	0.8%	Copper	7440-50-8	
	Moulding (total weight)	(0.0273 * XX) + 0.527	5%	30% GF PA46	
		Containing:	(0.0137 * XX) + 0.261	5%	PA46
(0.00819 * XX) + 0.158			5%	30% Glass Fibre	65997-17-3
(0.00137 * XX) + 0.0264			5%	Antimony Trioxide	1309-64-4
(0.0041 * XX) + 0.0791			5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Material Declaration for M80-700XXX

Product Information	
Part Number:	M80-700XX42
Part Description:	3-Row Vert Datamate
Part Weight (g):	(0.0424 * XX) + 2.486

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 #	
Signal Contacts - Phosphor Bronze	0.014 * XX	2%	Copper	7440-50-8	
	0.000739 * XX	1%	Tin	7440-31-5	
	0.000028 * XX	0.3%	Phosphorus	7723-14-0	
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1	
	0	(0.000074 * XX)g max	Other Impurities		
	0.000066 * XX	5%	Gold	7440-57-5	
Signal Contacts - Plating	0.000131 * XX	5%	Tin	7440-31-5	
	0.000153 * XX	10%	Nickel	7440-02-0	
	0.876	5%	Iron	7439-89-6	
Jackscrews - Stainless Steel	0	0.000984g max	Carbon (impurity only)	7440-44-0	
	0	0.0123g max	Silicon (impurity only)	7440-21-3	
	0	0.0246g max	Manganese (impurity only)	7439-96-5	
	0	0.000554g max	Phosphorus (impurity only)	7723-14-0	
	0.234	2%	Chromium (Metallic)	7440-47-3	
	0.00308	0.5%	Sulphur	7704-34-9	
	0.111	2%	Nickel	7440-02-0	
	0	0.00738g max	Molybdenum (impurity only)	7439-98-7	
	0	0.00135g max	Nitrogen (impurity only)	7727-37-9	
	0.0197	0.8%	Copper	7440-50-8	
	0.36	5%	Iron	7439-89-6	
	0	0.000404g max	Carbon (impurity only)	7440-44-0	
	0	0.00506g max	Silicon (impurity only)	7440-21-3	
	0	0.0101g max	Manganese (impurity only)	7439-96-5	
0	0.000228g max	Phosphorus (impurity only)	7723-14-0		
0.0961	2%	Chromium (Metallic)	7440-47-3		
0.00127	0.5%	Sulphur	7704-34-9		
0.0455	2%	Nickel	7440-02-0		
0	0.00304g max	Molybdenum (impurity only)	7439-98-7		
0	0.000556g max	Nitrogen (impurity only)	7727-37-9		
0.0081	0.8%	Copper	7440-50-8		
Jackscrew Washers - Stainless Steel	0.144	5%	Iron	7439-89-6	
	0	0.000162g max	Carbon (impurity only)	7440-44-0	
	0	0.00202g max	Silicon (impurity only)	7440-21-3	
	0	0.00404g max	Manganese (impurity only)	7439-96-5	
	0	0.00009g max	Phosphorus (impurity only)	7723-14-0	
	0.0384	2%	Chromium (Metallic)	7440-47-3	
	0.000506	0.5%	Sulphur	7704-34-9	
	0.0182	2%	Nickel	7440-02-0	
	0	0.00121g max	Molybdenum (impurity only)	7439-98-7	
	0	0.000222g max	Nitrogen (impurity only)	7727-37-9	
	0.00323	0.8%	Copper	7440-50-8	
	Moulding (total weight)	(0.0273 * XX) + 0.527	5%	30% GF PA46	
	Containing:	(0.0137 * XX) + 0.261	5%	PA46	50327-22-5
		(0.00819 * XX) + 0.158	5%	30% Glass Fibre	65997-17-3
	(0.00137 * XX) + 0.0264	5%	Antimony Trioxide	1309-64-4	
	(0.0041 * XX) + 0.0791	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]		

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On behalf of: **HARWIN**