

## Material Declaration for M80-400XXXX

Product Information	
Part Number:	M80-400XX01
Part Description:	2mm Vertical Female Datamate
Part Weight (g):	(0.0694 * XX) + 0.718
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	0.0244 * XX	2%	Copper	7440-50-8	
	0.0164 * XX	1%	Zinc	7440-66-6	
	0.00126 * XX	0.5%	Lead	7439-92-1	
	0	(0.000126 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000126 * XX)g max	Tin (impurity only)	7440-31-5	
	0	(0.000126 * XX)g max	Nickel (impurity only)	7440-02-0	
	0	(0.000021 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.00021 * XX)g max	Other Impurities		
	Contact Shell - Plating	0.000876 * XX	5%	Tin	7440-31-5
		0.000151 * XX	5%	Lead	7439-92-1
	0.000445 * XX	10%	Nickel	7440-02-0	
	0.000297 * 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		
	Contact Clip - Plating	0.000057 * XX	10%	Nickel	7440-02-0
		0.000006 * XX	5%	Gold	7440-57-5
Jackscrew Circlips - Stainless Steel	0.0164	10%	Iron	7439-89-6	
	0	0.000078g max	Carbon (impurity only)	7440-44-0	
	0	0.0002g max	Silicon (impurity only)	7440-21-3	
	0	0.0003g max	Manganese (impurity only)	7439-96-5	
	0	0.000008g max	Phosphorus (impurity only)	7723-14-0	
	0.0033	4%	Chromium (Metallic)	7440-47-3	
	0.000004	0.5%	Sulphur	7704-34-4	
	0.0002	4%	Nickel	7440-02-0	
	0	0.00021g max	Molybdenum (impurity only)	7439-98-7	
	0.000078	0.8%	Copper	7440-50-8	
	Jackscrew Bolts - Stainless Steel	0.4	10%	Iron	7439-89-6
		0	0.00066g max	Carbon (impurity only)	7440-44-0
		0	0.0055g max	Silicon (impurity only)	7440-21-3
		0	0.011g max	Manganese (impurity only)	7439-96-5
0		0.00033g max	Phosphorus (impurity only)	7723-14-0	
0.099		4%	Chromium (Metallic)	7440-47-3	
0.00137		0.5%	Sulphur	7704-34-9	
0.0495		4%	Nickel	7440-02-0	
0		0.0055g max	Molybdenum (impurity only)	7439-98-7	
0		0.0011g max	Niobium (impurity only)	7440-03-1	
0		0.00055g max	Titanium (impurity only)	7440-32-6	
0.00385		0.8%	Copper	7440-50-8	
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 M80-400XXXX

Product Information	
Part Number:	M80-400XX05
Part Description:	2mm Vertical Female Datamate
Part Weight (g):	(0.0686 * XX) + 0.718
Process Data	
Peak Reflow (Deg. C)	260°C for 10 sec
Termination Finish	Gold over Nickel/Copper
RoHS Compliant? (Y/N)	Yes


Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact Shell - Brass	0.0244 * XX	2%	Copper	7440-50-8
	0.0164 * XX	1%	Zinc	7440-66-6
	0.00126 * XX	0.5%	Lead	7439-92-1
	0	(0.000126 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000126 * XX)g max	Tin (impurity only)	7440-31-5
Contact Shell - Plating	0	(0.000126 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000021 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.00021 * XX)g max	Other Impurities	
	0.00018 * XX	5%	Gold	7440-57-5
	0.000445 * XX	10%	Nickel	7440-02-0
Contact Clip - Beryllium Copper	0.000371 * 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
Jackscrew Circlips - Stainless Steel	0.000006 * XX	5%	Gold	7440-57-5
	0.0164	10%	Iron	7439-89-6
	0	0.000078g max	Carbon (impurity only)	7440-44-0
	0	0.0002g max	Silicon (impurity only)	7440-21-3
	0	0.0003g max	Manganese (impurity only)	7439-96-5
Jackscrew Bolts - Stainless Steel	0	0.000008g max	Phosphorus (impurity only)	7723-14-0
	0.0033	4%	Chromium (Metallic)	7440-47-3
	0.000004	0.5%	Sulphur	7704-34-9
	0.0002	4%	Nickel	7440-02-0
	0	0.00021g max	Molybdenum (impurity only)	7439-98-7
Moulding (total weight)	0.000078	0.8%	Copper	7440-50-8
	0.4	10%	Iron	7439-89-6
	0	0.00066g max	Carbon (impurity only)	7440-44-0
	0	0.0055g max	Silicon (impurity only)	7440-21-3
	0	0.011g max	Manganese (impurity only)	7439-96-5
Containing:	0	0.00033g max	Phosphorus (impurity only)	7723-14-0
	0.099	4%	Chromium (Metallic)	7440-47-3
	0.00137	0.5%	Sulphur	7704-34-9
	0.0495	4%	Nickel	7440-02-0
	0	0.0055g max	Molybdenum (impurity only)	7439-98-7
Does not contain:	0	0.0011g max	Niobium (impurity only)	7440-03-1
	0	0.00055g max	Titanium (impurity only)	7440-32-6
	0.00385	0.8%	Copper	7440-50-8
	(0.0234 * XX) + 0.144	10%	30% Glass-Filled PPS	
	(0.0164 * XX) + 0.101	10%	PPS	26125-40-6
(0.00702 * XX) + 0.0432	10%	30% Glass Fibre	65997-17-3	
			Antimony	
			Other Brominated Flame Retardants	

## Material Declaration for M80-400XXXX

Product Information	
Part Number:	M80-400XX42
Part Description:	2mm Vertical Female Datamate
Part Weight (g):	(0.0693 * XX) + 0.718
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	0.0244 * XX	2%	Copper	7440-50-8
	0.0164 * XX	1%	Zinc	7440-66-6
	0.00126 * XX	0.5%	Lead	7439-92-1
	0	(0.000126 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000126 * XX)g max	Tin (impurity only)	7440-31-5
Contact Shell - Plating	0	(0.000126 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000021 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.00021 * XX)g max	Other Impurities	
	0.000973 * XX	5%	Tin	7440-31-5
	0.000445 * XX	10%	Nickel	7440-02-0
Contact Clip - Beryllium Copper	0.000297 * 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
	0.0164	10%	Iron	7439-89-6
	0	0.000078g max	Carbon (impurity only)	7440-44-0
	0	0.0002g max	Silicon (impurity only)	7440-21-3
	0	0.0003g max	Manganese (impurity only)	7439-96-5
Jackscrew Circlips - Stainless Steel	0	0.000008g max	Phosphorus (impurity only)	7723-14-0
	0.0033	4%	Chromium (Metallic)	7440-47-3
	0.000004	0.5%	Sulphur	7704-34-9
	0.0002	4%	Nickel	7440-02-0
	0	0.00021g max	Molybdenum (impurity only)	7439-98-7
	0.000078	0.8%	Copper	7440-50-8
	0.4	10%	Iron	7439-89-6
	0	0.00066g max	Carbon (impurity only)	7440-44-0
	0	0.0055g max	Silicon (impurity only)	7440-21-3
	0	0.011g max	Manganese (impurity only)	7439-96-5
Jackscrew Bolts - Stainless Steel	0	0.00033g max	Phosphorus (impurity only)	7723-14-0
	0.099	4%	Chromium (Metallic)	7440-47-3
	0.00137	0.5%	Sulphur	7704-34-9
	0.0495	4%	Nickel	7440-02-0
	0	0.0055g max	Molybdenum (impurity only)	7439-98-7
	0	0.0011g max	Niobium (impurity only)	7440-03-1
	0	0.00055g max	Titanium (impurity only)	7440-32-6
	0.00385	0.8%	Copper	7440-50-8
	0.0234 * XX + 0.144	10%	30% Glass-Filled PPS	
	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: 