

## Material Declaration for M80-511XXXX

Product Information	
Part Number:	M80-511XX05
Part Description:	Vertical Male Datamate J-Tek
Part Weight (g):	(0.0391 * XX) + 0.924

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #	
Contacts - Phosphor Bronze	0.0153 * XX	2%	Copper	7440-50-8	
	0.000805 * XX	1%	Tin	7440-31-5	
	0.000031 * XX	0.3%	Phosphorus	7723-14-0	
	0	(0.000048 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.000016 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000008 * XX)g max	Lead (impurity only)	7439-92-1	
Contacts - Plating	0	(0.00008 * XX)g max	Other Impurities		
	0.000221 * XX	5%	Gold	7440-57-5	
	0.000173 * XX	10%	Nickel	7440-02-0	
Jackscrews - Stainless Steel	0.343	10%	Iron	7439-89-6	
	0	0.000386g max	Carbon (impurity only)	7440-44-0	
	0	0.00481g max	Silicon (impurity only)	7440-21-3	
	0	0.00963g max	Manganese (impurity only)	7439-96-5	
	0	0.000216g max	Phosphorus (impurity only)	7723-14-0	
	0.0867	4%	Chromium (Metallic)	7440-47-3	
	0.0012	0.5%	Sulphur	7704-34-9	
	0.0433	4%	Nickel	7440-02-0	
	0	0.00289g max	Molybdenum (impurity only)	7439-98-7	
	0	0.00053g max	Nitrogen (impurity only)	7727-37-9	
	0.0077	0.8%	Copper	7440-50-8	
	Jackscrew Nuts - Stainless Steel	0.32	10%	Iron	7439-89-6
		0	0.000528g max	Carbon (impurity only)	7440-44-0
0		0.0044g max	Silicon (impurity only)	7440-21-3	
0		0.00881g max	Manganese (impurity only)	7439-96-5	
0		0.000264g max	Phosphorus (impurity only)	7723-14-0	
0.0793		4%	Chromium (Metallic)	7440-47-3	
0.0011		0.5%	Sulphur	7704-34-9	
0.0396		4%	Nickel	7440-02-0	
0		0.0044g max	Molybdenum (impurity only)	7439-98-7	
0		0.00088g max	Niobium (impurity only)	7440-03-1	
0		0.00044g max	Titanium (impurity only)	7440-32-6	
0.00308		0.8%	Copper	7440-50-8	
Moulding (total weight)		(0.0226 * XX) + 0.308	10%	30% Glass-Filled PPS	
Containing:	(0.0158 * XX) + 0.216	10%	PPS	26125-40-6	
	(0.00678 * XX) + 0.0924	10%	30% Glass Fibre	65997-17-3	
Does not contain:			Antimony		
			Other Brominated Flame Retardants		

## Material Declaration for M80-511XXXX

Product Information	
Part Number:	M80-511XX22
Part Description:	Vertical Male Datamate J-Tek
Part Weight (g):	(0.0392 * XX) + 0.924

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	0.0153 * XX	2%	Copper	7440-50-8	
	0.000805 * XX	1%	Tin	7440-31-5	
	0.000031 * XX	0.3%	Phosphorus	7723-14-0	
	0	(0.000048 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.000016 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000008 * XX)g max	Lead (impurity only)	7439-92-1	
Contacts - Plating	0	(0.00008 * XX)g max	Other Impurities		
	0.000066 * XX	5%	Gold	7440-57-5	
	0.00015 * XX	5%	Tin	7440-31-5	
	0.000026 * XX	5%	Lead	7439-92-1	
	0.000173 * XX	10%	Nickel	7440-02-0	
Jackscrews - Stainless Steel	0.343	10%	Iron	7439-89-6	
	0	0.000386g max	Carbon (impurity only)	7440-44-0	
	0	0.00481g max	Silicon (impurity only)	7440-21-3	
	0	0.00963g max	Manganese (impurity only)	7439-96-5	
	0	0.000216g max	Phosphorus (impurity only)	7723-14-0	
	0.0867	4%	Chromium (Metallic)	7440-47-3	
	0.0012	0.5%	Sulphur	7704-34-9	
	0.0433	4%	Nickel	7440-02-0	
	0	0.00289g max	Molybdenum (impurity only)	7439-98-7	
	0	0.00053g max	Nitrogen (impurity only)	7727-37-9	
	0.0077	0.8%	Copper	7440-50-8	
	Jackscrew Nuts - Stainless Steel	0.32	10%	Iron	7439-89-6
		0	0.000528g max	Carbon (impurity only)	7440-44-0
		0	0.0044g max	Silicon (impurity only)	7440-21-3
0		0.00881g max	Manganese (impurity only)	7439-96-5	
0		0.000264g max	Phosphorus (impurity only)	7723-14-0	
0.0793		4%	Chromium (Metallic)	7440-47-3	
0.0011		0.5%	Sulphur	7704-34-9	
0.0396		4%	Nickel	7440-02-0	
0		0.0044g max	Molybdenum (impurity only)	7439-98-7	
0		0.00088g max	Niobium (impurity only)	7440-03-1	
0		0.00044g max	Titanium (impurity only)	7440-32-6	
0.00308		0.8%	Copper	7440-50-8	
Moulding (total weight)		(0.0226 * XX) + 0.308	10%	30% Glass-Filled PPS	
Containing:		(0.0158 * XX) + 0.216	10%	PPS	26125-40-6
	(0.00678 * XX) + 0.0924	10%	30% Glass Fibre	65997-17-3	
Does not contain:			Antimony		
			Other Brominated Flame Retardants		


## Material Declaration for M80-511XXXX

Product Information	
Part Number:	M80-511XX42
Part Description:	Vertical Male Datamate J-Tek
Part Weight (g):	(0.0391 * XX) + 0.924

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	0.0153 * XX	2%	Copper	7440-50-8
	0.000805 * XX	1%	Tin	7440-31-5
	0.000031 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000048 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000016 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000008 * XX)g max	Lead (impurity only)	7439-92-1
Contacts - Plating	0	(0.00008 * XX)g max	Other Impurities	
	0.000066 * XX	5%	Gold	7440-57-5
	0.000167 * XX	5%	Tin	7440-31-5
	0.000173 * XX	10%	Nickel	7440-02-0
Jackscrews - Stainless Steel	0.343	10%	Iron	7439-89-6
	0	0.000386g max	Carbon (impurity only)	7440-44-0
	0	0.00481g max	Silicon (impurity only)	7440-21-3
	0	0.00963g max	Manganese (impurity only)	7439-96-5
	0	0.000216g max	Phosphorus (impurity only)	7723-14-0
	0.0867	4%	Chromium (Metallic)	7440-47-3
	0.0012	0.5%	Sulphur	7704-34-9
	0.0433	4%	Nickel	7440-02-0
	0	0.00289g max	Molybdenum (impurity only)	7439-98-7
	0	0.00053g max	Nitrogen (impurity only)	7727-37-9
	0.0077	0.8%	Copper	7440-50-8
	Jackscrew Nuts - Stainless Steel	0.32	10%	Iron
0		0.000528g max	Carbon (impurity only)	7440-44-0
0		0.0044g max	Silicon (impurity only)	7440-21-3
0		0.00881g max	Manganese (impurity only)	7439-96-5
0		0.000264g max	Phosphorus (impurity only)	7723-14-0
0.0793		4%	Chromium (Metallic)	7440-47-3
0.0011		0.5%	Sulphur	7704-34-9
0.0396		4%	Nickel	7440-02-0
0		0.0044g max	Molybdenum (impurity only)	7439-98-7
0		0.00088g max	Niobium (impurity only)	7440-03-1
0		0.00044g max	Titanium (impurity only)	7440-32-6
0.00308		0.8%	Copper	7440-50-8
Moulding (total weight)	(0.0226 * XX) + 0.308	10%	30% Glass-Filled PPS	
Containing:	(0.0158 * XX) + 0.216	10%	PPS	26125-40-6
	(0.00678 * XX) + 0.0924	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	

Prepared by: 

Martin J Perry, BSc(Eng) MSc CEng MIET  
Compliance Specialist  
ComplianceTeam@harwin.co.uk

On behalf of: 