

Material Declaration for M80-4C1XXXXF3

Product Information	
Part Number:	M80-4C1XX05F3
Part Description:	2mm Crimp Datamate
Part Weight (g):	(0.0997 * XX) + 0.994

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	0.0362 * XX	2%	Copper	7440-50-8
	0.0201 * XX	1%	Zinc	7440-66-6
	0.00115 * XX	0.5%	Lead	7439-92-1
	0	(0.000172 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000172 * 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
Contact Clip - Beryllium Copper	0.000603 * 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 - Plating	0.000006 * XX	5%	Gold	7440-57-5
Jackscrew Nuts - Stainless Steel	0.32	10%	Iron	7439-89-6
	0.0793	4%	Chromium (Metallic)	7440-47-3
	0.0396	4%	Nickel	7440-02-0
	0.00308	0.8%	Copper	7440-50-8
	0.0011	0.5%	Sulphur	7704-34-9
	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	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
Jackscrew Bolts - Stainless Steel	0.287	10%	Iron	7439-89-6
	0.0711	4%	Chromium (Metallic)	7440-47-3
	0.0356	4%	Nickel	7440-02-0
	0.00277	0.8%	Copper	7440-50-8
	0.000988	0.5%	Sulphur	7704-34-9
	0	0.000474g max	Carbon (impurity only)	7440-44-0
	0	0.00395g max	Silicon (impurity only)	7440-21-3
	0	0.0079g max	Manganese (impurity only)	7439-96-5
	0	0.000238g max	Phosphorus (impurity only)	7723-14-0
	0	0.00395g max	Molybdenum (impurity only)	7439-98-7
	0	0.00079g max	Niobium (impurity only)	7440-03-1
	0	0.000396g max	Titanium (impurity only)	7440-32-6
Moulding (total weight)	(0.0385 * XX) + 0.153	10%	30% Glass-Filled PPS	
Containing:	(0.027 * XX) + 0.107	10%	PPS	26125-40-6
	(0.0116 * XX) + 0.0459	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	

Material Declaration for M80-4C1XXXXF3

Product Information	
Part Number:	M80-4C1XX42F3
Part Description:	2mm Crimp Datamate
Part Weight (g):	(0.105 * XX) + 0.994

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	0.0362 * XX	2%	Copper	7440-50-8
	0.0201 * XX	1%	Zinc	7440-66-6
	0.00115 * XX	0.5%	Lead	7439-92-1
	0	(0.000172 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000172 * 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	
	0.00158 * XX	5%	Tin	7440-31-5
	0.000723 * XX	10%	Nickel	7440-02-0
	0.00483 * 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 Nuts - Stainless Steel	0.32	10%	Iron	7439-89-6
	0.0793	4%	Chromium (Metallic)	7440-47-3
	0.0396	4%	Nickel	7440-02-0
	0.00308	0.8%	Copper	7440-50-8
	0.0011	0.5%	Sulphur	7704-34-9
	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	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	
Jackscrew Bolts - Stainless Steel	0.287	10%	Iron	7439-89-6
	0.0711	4%	Chromium (Metallic)	7440-47-3
	0.0356	4%	Nickel	7440-02-0
	0.00277	0.8%	Copper	7440-50-8
	0.000988	0.5%	Sulphur	7704-34-9
	0	0.000474g max	Carbon (impurity only)	7440-44-0
	0	0.00395g max	Silicon (impurity only)	7440-21-3
	0	0.0079g max	Manganese (impurity only)	7439-96-5
	0	0.000238g max	Phosphorus (impurity only)	7723-14-0
	0	0.00395g max	Molybdenum (impurity only)	7439-98-7
	0	0.00079g max	Niobium (impurity only)	7440-03-1
0	0.000396g max	Titanium (impurity only)	7440-32-6	
Moulding (total weight)	(0.0385 * XX) + 0.153	10%	30% Glass-Filled PPS	
Containing:	(0.027 * XX) + 0.107	10%	PPS	26125-40-6
	(0.0116 * XX) + 0.0459	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	

Prepared by: *M. J. Perry*

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

On behalf of: **HARWIN**