

Material Declaration for M80-850XXXX

Product Information	
Part Number:	M80-850XX42
Part Description:	2mm Female PCT Datamate
Part Weight (g):	(0.066 * XX) + 0.0334

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	
	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	0.000973 * XX	5%	Tin	7440-31-5
		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	
Moulding (total weight) Containing:	(0.0201 * XX) + 0.0334	5%	30% GF PA46		
	(0.0101 * XX) + 0.0167	5%	PA46	50327-22-5	
	(0.00603 * XX) + 0.01	5%	30% Glass Fibre	65997-17-3	
	(0.00101 * XX) + 0.00167	5%	Antimony Trioxide	1309-64-4	
	(0.00302 * XX) + 0.00501	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]		

Material Declaration for M80-850XXXX

Product Information	
Part Number:	M80-850XX45
Part Description:	2mm Female PCT Datamate
Part Weight (g):	(0.0653 * XX) + 0.0334

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	0.0244 * 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	0.00018 * XX	5%	Gold	7440-57-5
	0.000445 * XX	10%	Nickel	7440-02-0
	0.000371 * 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
Moulding (total weight)	(0.0201 * XX) + 0.0334	5%	30% GF PA46	
Containing:	(0.0101 * XX) + 0.0167	5%	PA46	50327-22-5
	(0.00603 * XX) + 0.01	5%	30% Glass Fibre	65997-17-3
	(0.00101 * XX) + 0.00167	5%	Antimony Trioxide	1309-64-4
	(0.00302 * XX) + 0.00501	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Prepared by: 

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

On behalf of: 