


## Material Declaration for M80-MC1XX68MB-YYYYL

Product Information	
Part Number:	M80-MC1XX68MB-YYYYL
Part Description:	2mm Datamate Male Cable Assy
Part Weight (g):	(0.0779 * XX) + 1.062 + (0.00277 * XX * YYYY)

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	0.0257 * XX	10%	Copper	7440-50-8	
	0.0152 * XX	10%	Zinc	7440-66-6	
	0.000834 * XX	5%	Lead	7439-92-1	
	0	(0.000083 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000083 * XX)g max	Tin (impurity only)	7440-31-5	
	0	(0.000125 * XX)g max	Nickel (impurity only)	7440-02-0	
Contact Shell - Plating	0	(0.000021 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.000083 * XX)g max	Other Impurities		
	0.000213 * XX	5%	Gold	7440-57-5	
	0.000527 * XX	10%	Nickel	7440-02-0	
	0.00044 * XX	10%	Copper	7440-50-8	
Jackscrews - Stainless Steel	0.362	10%	Iron	7439-89-6	
	0.0915	4%	Chromium (Metallic)	7440-47-3	
	0.0457	4%	Nickel	7440-02-0	
	0.00813	0.8%	Copper	7440-50-8	
	0.00127	0.5%	Sulphur	7704-34-9	
	0	0.000406g max	Carbon (impurity only)	7440-44-0	
	0	0.00508g max	Silicon (impurity only)	7440-21-3	
	0	0.0102g max	Manganese (impurity only)	7439-96-5	
	0	0.000228g max	Phosphorus (impurity only)	7723-14-0	
	0	0.00305g max	Molybdenum (impurity only)	7439-98-7	
	0	0.000558g max	Nitrogen (impurity only)	7727-37-9	
	Jackscrew Retainers - Stainless Steel	0.161	10%	Iron	7439-89-6
		0.0399	4%	Chromium (Metallic)	7440-47-3
0.02		4%	Nickel	7440-02-0	
0.00155		0.8%	Copper	7440-50-8	
0.000554		0.5%	Sulphur	7704-34-9	
0		0.000266g max	Carbon (impurity only)	7440-44-0	
0		0.00222g max	Silicon (impurity only)	7440-21-3	
0		0.00443g max	Manganese (impurity only)	7439-96-5	
0		0.000134g max	Phosphorus (impurity only)	7723-14-0	
0		0.00222g max	Molybdenum (impurity only)	7439-98-7	
0		0.000444g max	Niobium (impurity only)	7440-03-1	
0		0.000222g max	Titanium (impurity only)	7440-32-6	
Moulding (total weight)		(0.035 * XX) + 0.33	10%	30% Glass-Filled PPS	
Containing:	(0.0245 * XX) + 0.231	10%	PPS	26125-40-6	
	(0.0105 * XX) + 0.099	10%	30% Glass Fibre	65997-17-3	
Does not contain:			Antimony		
			Other Brominated Flame Retardants		
Wire	0.000882 * XX * YYYY	10%	Copper	7440-50-8	
Wire - Plating	0.000104 * XX * YYYY	10%	Silver	7440-22-4	
Wire - Insulation	0.00178 * XX * YYYY	10%	PTFE	9002-84-0	

Prepared by: 

Martin J Perry, BSc(Eng) MSc CEng MIET  
Compliance Consultant  
ComplianceTeam@harwin.com

On behalf of: 