

## Material Declaration for M83-LFD1F1NXX-0000-000

Product Information	
Part Number:	M83-LFD1F1NXX-0000-000
Part Description:	2mm Crimp Datamate
Part Weight (g):	(0.101 * XX) + 1.669

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	
	0.02 * 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	
	0	(0.000029 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.0003 * XX)g max	Other Impurities		
	Contact Shell - Plating	0.000292 * XX	5%	Gold	7440-57-5
		0.000723 * XX	10%	Nickel	7440-02-0
			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	0.000058 * XX	10%	Nickel	7440-02-0
			Gold	7440-57-5	
Jackscrew Retaining Collar - Brass	0.169	2%	Copper	7440-50-8	
	0.114	1%	Zinc	7440-66-6	
	0.00876	0.5%	Lead	7439-92-1	
	0	0.000876g max	Iron (impurity only)	7439-89-6	
	0	0.000876g max	Tin (impurity only)	7440-31-5	
	0	0.000876g max	Nickel (impurity only)	7440-02-0	
	0	0.000146g max	Aluminium (impurity only)	7429-90-5	
	0	0.000584g max	Other Impurities		
	Jackscrew Retaining Collar - Plating	0.00209	20%	Nickel	7440-02-0
Jackscrew Bolts - Stainless Steel	0.573	10%	Iron	7439-89-6	
	0.142	4%	Chromium (Metallic)	7440-47-3	
	0.0709	4%	Nickel	7440-02-0	
	0.00552	0.8%	Copper	7440-50-8	
	0.00197	0.5%	Sulphur	7704-34-9	
	0	0.000946g max	Carbon (impurity only)	7440-44-0	
	0	0.00788g max	Silicon (impurity only)	7440-21-3	
	0	0.0158g max	Manganese (impurity only)	7439-96-5	
	0	0.000472g max	Phosphorus (impurity only)	7723-14-0	
	0	0.00788g max	Molybdenum (impurity only)	7439-98-7	
	0	0.00158g max	Niobium (impurity only)	7440-03-1	
	0	0.000788g max	Titanium (impurity only)	7440-32-6	
Moulding (total weight)	(0.0398 * XX) + 0.582	10%	30% Glass-Filled PPS		
Containing:	(0.0279 * XX) + 0.408	10%	PPS	26125-40-6	
	(0.0119 * XX) + 0.175	10%	30% Glass Fibre	65997-17-3	
Does not contain:			Antimony		
			Other Brominated Flame Retardants		

Prepared by: *M. J. Perry*

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On behalf of: **HARWIN**