


Material Composition for M55-800XX42-YYYYA

Product Information	
Part Number:	M55-800XX42-YYYYA
Part Description:	1.27mm pitch Cable Assy
Part Weight (g):	0.531 + (0.0886 * XX) + (0.000956 * XX * YYYY)

Process Data	
Peak Reflow (Deg. C)	n/a
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	0.0336 * XX	5%	Copper	7440-50-8	
	0.00224 * XX	1%	Tin	7440-31-5	
	0.000068 * XX	0.5%	Phosphorus	7723-14-0	
	0	(0.000036 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.000018 * XX)g max	Iron (impurity only)	7439-89-6	
Contacts - Plating	0	(0.000004 * XX)g max	Lead (impurity only)	7439-92-1	
	0.000052 * XX	10%	Nickel	7440-02-0	
	0.000054 * XX	10%	Tin	7440-31-5	
Springs - Stainless Steel	0.000002 * XX	10%	Gold	7440-57-5	
	0.042	10%	Iron	7439-89-6	
	0.01094	4%	Chromium (Metallic)	7440-47-3	
	0.0054	4%	Nickel	7440-02-0	
	0.000018	0.5%	Sulphur	7704-34-9	
	0	0.000048g max	Carbon (impurity only)	7440-44-0	
	0	0.00045g max	Silicon (impurity only)	7440-21-3	
	0	0.0012g max	Manganese (impurity only)	7439-96-5	
	0	0.000028g max	Phosphorus (impurity only)	7723-14-0	
	0	0.000012g max	Nitrogen (impurity only)	7727-37-9	
	Housing Mouldings (total weight)	(0.0286 * XX) + 0.193	6%	23% GF LCP	
	Containing:	(0.0181 * XX) + 0.1206	6%	Aromatic Polyester Resin	60088-52-0
		(0.00656 * XX) + 0.0438	6%	Glass Fibre	65997-17-3
	(0.0037 * XX) + 0.0248	6%	Inorganic Filler	-	
	(0.000142 * XX) + 0.0038	6%	Carbon Black	1333-86-4	
Does not contain:			Other Brominated Flame Retardants		
			Antimony		
Latch Cover Mouldings (total weight)	(0.024 * XX) + 0.28	6%	Nylon 66		
Containing:	(0.01354 * XX) + 0.158	6%	Polyamide 66	32131-17-2	
	(0.00528 * XX) + 0.0616	6%	Brominated Polystyrene	88497-56-7	
	(0.00324 * XX) + 0.0378	6%	Glass Fibre	65997-17-3	
	(0.0018 * XX) + 0.021	6%	Antimony Trioxide	1309-64-4	
	(0.000144 * XX) + 0.00168	6%	Auxiliaries	06683-19-8	
Wire	0.0005 * XX * YYYY	10%	Copper	7440-50-8	
Wire - Plating	0.000036 * XX * YYYY	10%	Tin	7440-31-5	
Wire - Insulation	0.00042 * XX * YYYY	10%	PVC	9002-86-2	

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On behalf of:

