


## Material Composition for M55-820XX42

Product Information	
Part Number:	M55-820XX42
Part Description:	1.27mm pitch Socket
Part Weight (g):	(0.0955 * XX) + 0.266

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
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	0.0168 * XX	5%	Copper	7440-50-8
	0.00112 * XX	1%	Tin	7440-31-5
	0.000034 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000018 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000009 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000002 * XX)g max	Lead (impurity only)	7439-92-1
Contacts - Plating	0.000026 * XX	10%	Nickel	7440-02-0
	0.000027 * XX	10%	Tin	7440-31-5
	0.000001 * XX	10%	Gold	7440-57-5
Springs - Stainless Steel	0.021	10%	Iron	7439-89-6
	0.00547	4%	Chromium (Metallic)	7440-47-3
	0.0027	4%	Nickel	7440-02-0
	0.000009	0.5%	Sulphur	7704-34-9
	0	0.000024g max	Carbon (impurity only)	7440-44-0
	0	0.000225g max	Silicon (impurity only)	7440-21-3
	0	0.0006g max	Manganese (impurity only)	7439-96-5
	0	0.000014g max	Phosphorus (impurity only)	7723-14-0
	0	0.000006g max	Nitrogen (impurity only)	7727-37-9
Housing Moulding (total weight)	(0.0143 * XX) + 0.0965	6%	23% GF LCP	
Containing:	(0.00905 * XX) + 0.0603	6%	Aromatic Polyester Resin	60088-52-0
	(0.00328 * XX) + 0.0219	6%	Glass Fibre	65997-17-3
	(0.00185 * XX) + 0.0124	6%	Inorganic Filler	-
	(0.000071 * XX) + 0.0019	6%	Carbon Black	1333-86-4
Does not contain:			Other Brominated Flame Retardants	
			Antimony	
Latch Cover Moulding (total weight)	(0.012 * XX) + 0.14	6%	Nylon 66	
Containing:	(0.00677 * XX) + 0.079	6%	Polyamide 66	32131-17-2
	(0.00264 * XX) + 0.0308	6%	Brominated Polystyrene	88497-56-7
	(0.00162 * XX) + 0.0189	6%	Glass Fibre	65997-17-3
	(0.0009 * XX) + 0.0105	6%	Antimony Trioxide	1309-64-4
	(0.000072 * XX) + 0.00084	6%	Auxiliaries	06683-19-8

Prepared by: 

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On behalf of: 