


Material Composition for M55-710XX42R

Product Information	
Part Number:	M55-710XX42R
Part Description:	1.27mm pitch Connector
Part Weight (g):	(0.0293 * XX) + 0.179

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 #
Contact - Phosphor Bronze	0.0131 * XX	5%	Copper	7440-50-8
	0.000872 * XX	1%	Tin	7440-31-5
	0.000026 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000028 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000014 * XX)g max	Iron (impurity only)	7439-89-6
Contact - Plating	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.00007 * XX)g max	Other Impurities	
	0.000189 * XX	10%	Nickel	7440-02-0
	0.000161 * XX	10%	Tin	7440-31-5
	0.000002 * XX	10%	Gold	7440-57-5
Retainers - Brass	0.028	5%	Copper	7440-50-8
	0.012	1%	Zinc	7440-66-6
	0	0.000008g max	Aluminium (impurity only)	7429-90-5
	0	0.00012g max	Nickel (impurity only)	7440-02-0
	0	0.00004g max	Tin (impurity only)	7440-31-5
Retainers - Plating	0	0.00002g max	Iron (impurity only)	7439-89-6
	0	0.000028g max	Lead (impurity only)	7439-92-1
	0	0.00004g max	Other Impurities	
	0.000544	10%	Nickel	7440-02-0
	0.00112	10%	Tin	7440-31-5
Moulding (total weight)	(0.0149 * XX) + 0.137	6%	33% GF LCP	
Containing:	(0.00998 * XX) + 0.0918	6%	Liquid Crystal Polymer	
	(0.00492 * XX) + 0.0452	6%	Glass Fibre	65997-17-3
Does not contain:			Other Brominated Flame Retardants	
			Antimony	

Prepared by: 

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On behalf of: 