

Material Composition for M55-702XX42R

Product Information	
Part Number:	M55-702XX42R
Part Description:	1.27mm pitch Connector
Part Weight (g):	(0.0441 * XX) + 0.193

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	0.0185 * XX	5%	Copper	7440-50-8	
	0.00123 * XX	1%	Tin	7440-31-5	
	0.000037 * XX	0.5%	Phosphorus	7723-14-0	
	0	(0.000039 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.00002 * XX)g max	Iron (impurity only)	7439-89-6	
Contact - Plating	0	(0.00001 * XX)g max	Lead (impurity only)	7439-92-1	
	0	(0.000099 * XX)g max	Other Impurities		
	0.000247 * XX	10%	Nickel	7440-02-0	
	0.000071 * XX	10%	Tin	7440-31-5	
	0.000002 * XX	10%	Gold	7440-57-5	
Retainers - Brass	0.0264	5%	Copper	7440-50-8	
	0.0113	1%	Zinc	7440-66-6	
	0	0.000008g max	Aluminium (impurity only)	7429-90-5	
	0	0.000112g max	Nickel (impurity only)	7440-02-0	
	0	0.000038g max	Tin (impurity only)	7440-31-5	
	0	0.000018g max	Iron (impurity only)	7439-89-6	
	0	0.000026g max	Lead (impurity only)	7439-92-1	
	0	0.000038g max	Other Impurities		
	0.000522	10%	Nickel	7440-02-0	
	0.00108	10%	Tin	7440-31-5	
Moulding (total weight)	(0.024 * XX) + 0.154	6%	33% GF LCP		
	Containing:	(0.0161 * XX) + 0.103	6%	Liquid Crystal Polymer	
	(0.00792 * XX) + 0.0508	6%	Glass Fibre	65997-17-3	
Does not contain:			Other Brominated Flame Retardants		
			Antimony		

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On behalf of: **HARWIN**