

Material Composition for M55-701XX42R

Product Information	
Part Number:	M55-701XX42R
Part Description:	1.27mm pitch Connector
Part Weight (g):	(0.0329 * XX) + 0.168

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	0.0145 * XX	5%	Copper	7440-50-8
	0.000967 * XX	1%	Tin	7440-31-5
	0.000029 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000031 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6
Contact - Plating	0	(0.000008 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000077 * XX)g max	Other Impurities	
	0.0002 * 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
Retainers - Plating	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)	(0.0172 * XX) + 0.129	6%	33% GF LCP	
Containing:	(0.0115 * XX) + 0.0864	6%	Liquid Crystal Polymer	
	(0.00568 * XX) + 0.0426	6%	Glass Fibre	65997-17-3
Does not contain:			Other Brominated Flame Retardants	
			Antimony	

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On behalf of: **HARWIN**