

## Material Composition for M50-490XX45

Product Information	
Part Number:	M50-490XX45
Part Description:	1.27mm pitch Pin Header
Part Weight (g):	(0.0507 * XX) + 0.118

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	Gold over Nickel
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact - Brass	0.0123 * XX	3%	Copper	7440-50-8
	0.00526 * XX	2%	Zinc	7440-66-6
	0	(0.000012 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000008 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000018 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000052 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000004 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000018 * XX)g max	Other Impurities	
Contact - Plating	0.000386 * XX	10%	Nickel	7440-02-0
	0.000042 * XX	5%	Gold	7440-57-5
Moulding (total weight)	(0.0327 * XX) + 0.118	6%	33% GF LCP	
Containing:	(0.0219 * XX) + 0.0791	6%	Liquid Crystal Polymer	
	(0.0108 * XX) + 0.0389	6%	Glass Fibre	65997-17-3
Does not contain:			Other Brominated Flame Retardants	
			Antimony	

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On behalf of: **HARWIN**