

## Material Composition for M52-501XX45

Product Information	
Part Number:	M52-501XX45
Part Description:	1.27mm pitch Socket
Part Weight (g):	0.0672 * XX

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 - Phosphor Bronze	0.0312 * XX	5%	Copper	7440-50-8
	0.00164 * XX	1%	Tin	7440-31-5
	0.000066 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000066 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000066 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000033 * XX)g max	Iron (impurity only)	7439-89-6
Contact - Plating	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000066 * XX)g max	Other Impurities	
	0.000557 * XX	10%	Nickel	7440-02-0
	0.00006 * XX	30%	Gold	7440-57-5
Moulding (total weight)	0.0337 * XX	6%	33% GF Nylon 9T	
Containing:	0.0145 * XX	6%	Nylon 9T	169284-22-4
	0.0111 * XX	6%	Glass Fibre	65997-17-3
	0.00708 * XX	6%	Bromopolystyrene	88497-56-7
	0.00101 * XX	4%	Additives (such as Heat stabilizer)	
Does not contain:			Antimony	

Prepared by:

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On behalf of:

**HARWIN**