

Material Composition for M58-280XX42R

Product Information	
Part Number:	M58-280XX42R
Part Description:	0.8mm pitch Female
Part Weight (g):	(0.0862 * XX) + 0.104


Process Data	
Peak Reflow (Deg. C)	250°C for 5 seconds
Termination Finish	100% Tin over Nickel
RoHS Compliant? (Y/N)	Yes

NOTES:

- (1) No of contacts = XX * 10.
- (2) Tin plating is subject to 1,000ppm max Lead impurity.
- (3) Above Part Weight does not include P&P Cap.

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contacts - Phosphor Bronze	0.0265 * XX	5%	Copper	7440-50-8
	0.00231 * XX	1%	Tin	7440-31-5
	0.000055 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000058 * XX)g max	Zinc (impurity only)	7440-66-6
Contacts - Plating	0	(0.000029 * XX)g max	Iron (impurity only)	7439-89-6
	0.00099 * XX	10%	Nickel	7440-02-0
	0.00034 * XX	20%	Tin	7440-31-5
	0.00002 * XX	30%	Gold	7440-57-5
Moulding (total weight)	(0.056 * XX) + 0.104	6%	40% GF LCP	
	Containing:	(0.0336 * XX) + 0.0624	6%	Liquid Crystal Polymer
Does not contain:	(0.0224 * XX) + 0.0416	6%	Glass Fibre	65997-17-3
			Other Brominated Flame Retardants	
			Antimony	

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Pick & Place Cap - Stainless Steel	0.118	10%	Iron	7439-89-6
	(Part Weight: 0.165g)	4%	Chromium (Metallic)	7440-47-3
	0.0152	4%	Nickel	7440-02-0
	0	0.00329g max	Manganese (impurity only)	7439-96-5
	0	0.00165g max	Silicon (impurity only)	7440-21-3
	0	0.000132g max	Carbon (impurity only)	7440-44-0
	0	0.000074g max	Phosphorus (impurity only)	7723-14-0
	0	0.000049g max	Sulphur (impurity only)	7704-34-9

Prepared by: 

Martin J Perry, BSc(Eng) MSc CEng MIET
 Compliance Consultant
 ComplianceTeam@harwin.co.uk

On behalf of:

