

## Material Declaration for M20-787XXXX

Product Information	
Part Number:	M20-787XX42
Part Description:	2.54mm pitch Socket
Part Weight (g):	0.18 * XX

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	0.0789 * XX	5%	Copper	7440-50-8
	0.00416 * XX	1%	Tin	7440-31-5
	0.000166 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000166 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000166 * XX)g max	Zinc (impurity only)	7440-66-6
Contact - Plating	0	(0.000084 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000016 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000416 * XX)g max	Other Impurities	
	0.00195 * XX	10%	Nickel	7440-02-0
	0.00035 * XX	20%	Tin	7440-31-5
Moulding (total weight)	0.000052 * XX	30%	Gold	7440-57-5
	0.0946 * XX	5%	30% GF Nylon 6T	
	0.0473 * XX	5%	Nylon 6T	63428-83-1
	0.0284 * XX	5%	30% Glass Fibre	65997-17-3
	0.00473 * XX	5%	Antimony Trioxide	1309-64-4
	0.0142 * XX	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Product Information	
Part Number:	M20-787XX46
Part Description:	2.54mm pitch Socket
Part Weight (g):	0.182 * XX

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	0.0789 * XX	5%	Copper	7440-50-8
	0.00416 * XX	1%	Tin	7440-31-5
	0.000166 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000166 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000166 * XX)g max	Zinc (impurity only)	7440-66-6
Contact - Plating	0	(0.000084 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000016 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000416 * XX)g max	Other Impurities	
	0.00195 * XX	10%	Nickel	7440-02-0
	0.002 * XX	20%	Tin	7440-31-5
Moulding (total weight)	0.000052 * XX	30%	Gold	7440-57-5
	0.0946 * XX	5%	30% GF Nylon 6T	
	0.0473 * XX	5%	Nylon 6T	63428-83-1
	0.0284 * XX	5%	30% Glass Fibre	65997-17-3
	0.00473 * XX	5%	Antimony Trioxide	1309-64-4
	0.0142 * XX	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Prepared by: *M. J. Perry*

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

On behalf of:

