

Material Declaration for M80-509XXXX

Product Information	
Part Number:	M80-509XX42
Part Description:	Male Throughboard Conn.
Part Weight (g):	0.72 + (XX * 0.06)

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 #
Contacts - Phosphor Bronze	0.0114 * XX	2%	Copper	7440-50-8
	0.000601 * XX	1%	Tin	7440-31-5
	0.000023 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000036 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000012 * XX)g max	Iron (impurity only)	7439-89-6
Contacts - Plating	0	(0.000006 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.00006 * XX)g max	Other Impurities	
	0.000066 * XX	5%	Gold	7440-57-5
	0.000131 * XX	5%	Tin	7440-31-5
	0.000127 * XX	10%	Nickel	7440-02-0
Jackscrews - Stainless Steel				
	0.343	10%	Iron	7439-89-6
	0.0867	4%	Chromium (Metallic)	7440-47-3
	0.0433	4%	Nickel	7440-02-0
	0.0077	1%	Copper	7440-50-8
	0.00125	1%	Sulphur	7704-34-9
	0	0.000386g max	Carbon (impurity only)	7440-44-0
	0	0.0033g max	Silicon (impurity only)	7440-21-3
	0	0.00962g max	Manganese (impurity only)	7439-96-5
	0	0.000481g max	Phosphorus (impurity only)	7723-14-0
	0	0.002888g max	Molybdenum (impurity only)	7439-98-7
	0	0.00053g max	Nitrogen (impurity only)	7727-37-9
	0	0.00092g max	Niobium (impurity only)	7440-03-1
	0	0.000482g max	Titanium (impurity only)	7440-32-6
Moulding (total weight)	(0.0451 * XX) + 0.2176	10%	30% Glass-Filled PPS	
Containing:	(0.0316 * XX) + 0.152	10%	PPS	26125-40-6
	(0.0135 * XX) + 0.0653	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	

Prepared by:



John P Collins
Product Environmental Compliance Specialist
ComplianceTeam@harwin.com

On behalf of:

HARWIN

Material Declaration for M80-509XXXX

Product Information	
Part Number:	M80-509XX05
Part Description:	Male Throughboard Conn.
Part Weight (g):	0.07 + (XX * 0.067)

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	Gold over Nickel & Copper
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contacts - Phosphor Bronze	0.0114 * XX	2%	Copper	7440-50-8
	0.000601 * XX	1%	Tin	7440-31-5
	0.000023 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000036 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000012 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000006 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.00006 * XX)g max	Other Impurities	
Contact Shell - Plating	0.000292 * XX	5%	Gold	7440-57-5
	0.000723 * XX	10%	Nickel	7440-02-0
	0.000603 * XX	10%	Copper	7440-50-8
Jackscrews - Stainless Steel				
	0.343	10%	Iron	7439-89-6
	0.0867	4%	Chromium (Metallic)	7440-47-3
	0.0433	4%	Nickel	7440-02-0
	0.0077	1%	Copper	7440-50-8
	0.00125	1%	Sulphur	7704-34-9
	0	0.000386g max	Carbon (impurity only)	7440-44-0
	0	0.0033g max	Silicon (impurity only)	7440-21-3
	0	0.00962g max	Manganese (impurity only)	7439-96-5
	0	0.000481g max	Phosphorus (impurity only)	7723-14-0
	0	0.002888g max	Molybdenum (impurity only)	7439-98-7
	0	0.00053g max	Nitrogen (impurity only)	7727-37-9
	0	0.00092g max	Niobium (impurity only)	7440-03-1
	0	0.000482g max	Titanium (impurity only)	7440-32-6
Moulding (total weight)	(0.0451 * XX) + 0.2176	10%	30% Glass-Filled PPS	
Containing:	(0.0316 * XX) + 0.152	10%	PPS	26125-40-6
	(0.0135 * XX) + 0.0653	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
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