

Material Composition for M300-FV31045F2

Product Information	
Part Number:	M300-FV31045F2
Part Description:	3mm M300 Female PC Tail
Part Weight (g):	2.786

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact Shell - Brass	0.648	1%	Copper	7440-50-8
	0.435	2%	Zinc	7440-66-6
	0.0335	1%	Lead	7439-92-1
	0	0.00335g max	Iron (impurity only)	7439-89-6
	0	0.00335g max	Tin (impurity only)	7440-31-5
	0	0.00335g max	Nickel (impurity only)	7440-02-0
Contact Shell - Plating	0	0.00056g max	Aluminium (impurity only)	7429-90-5
	0	0.00223g max	Other Impurities	
	0.00411	5%	Gold	7440-57-5
	0.00948	10%	Nickel	7440-02-0
Contact Clip - Beryllium Copper	0.00791	10%	Copper	7440-50-8
	0.113	2%	Copper	7440-50-8
	0.00046	1%	Beryllium	7440-41-7
Contact Clip - Plating	0.00209	2%	Nickel	7440-02-0
	0	0.00035g max	Cobalt (impurity only)	7440-48-4
	0	0.00012g max	Iron (impurity only)	7439-89-6
	0	0.00058g max	Other Impurities	
	0.00181	10%	Nickel	7440-02-0
	0.0001	5%	Gold	7440-57-5
Circlips - Stainless Steel	0.0164	10%	Iron	7439-89-6
	0.0033	4%	Chromium (Metallic)	7440-47-3
	0.000004	0.5%	Sulphur	7704-34-9
	0.0002	4%	Nickel	7440-02-0
	0.000078	0.8%	Copper	7440-50-8
	0	0.000078g max	Carbon (impurity only)	7440-44-0
	0	0.0002g max	Silicon (impurity only)	7440-21-3
	0	0.0003g max	Manganese (impurity only)	7439-96-5
	0	0.000008g max	Phosphorus (impurity only)	7723-14-0
	0	0.00021g max	Molybdenum (impurity only)	7439-98-7
Jackscrews - Stainless Steel	0	0.00004g max	Niobium (impurity only)	7440-03-1
	0	0.00002g max	Titanium (impurity only)	7440-32-6
	0.405	10%	Iron	7439-89-6
	0.1	4%	Chromium (Metallic)	7440-47-3
	0.0139	0.5%	Sulphur	7704-34-9
	0.0501	4%	Nickel	7440-02-0
	0.0039	0.80%	Copper	7440-50-8
	0	0.000668g max	Carbon (impurity only)	7440-44-0
	0	0.00557g max	Silicon (impurity only)	7440-21-3
	0	0.0111g max	Manganese (impurity only)	7439-96-5
Moulding (total weight)	0	0.000334g max	Phosphorus (impurity only)	7723-14-0
	0	0.00557g max	Molybdenum (impurity only)	7439-98-7
	0	0.00111g max	Niobium (impurity only)	7440-03-1
	0	0.000556g max	Titanium (impurity only)	7440-32-6
	0.938	5%	30% GF Nylon 4T	
	0.525	5%	Nylon 4T	103945-40-0
Containing:	0.281	5%	30% Glass Fibre	65997-17-3
	0.117	5%	Organic phosphorus compound	-
	0.0141	5%	Other Additives	-
			Antimony	-
Does not contain:			Other Brominated Flame Retardants	
			Red Phosphorus	

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On behalf of: **HARWIN**