

Type number	Package	Package description	Total product weight
PBSS5540Z	SOT223	SC-73	103.64150 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
934660106115	4	1	260	30 s	1	235	20 s	3	Dongguan, China; D-22529 HAMBURG, Germany	
934660106135	6	1	260	30 s	1	235	20 s	3	Dongguan, China; D-22529 HAMBURG, Germany	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.10010	77.00000	0.09658
	Polymer	Resin system	Proprietary	0.02990	23.00000	0.02885
		subTotal		0.13000	100.00000	0.12543
Die	Doped silicon	Silicon (Si)	7440-21-3	1.25000	100.00000	1.20608
		subTotal		1.25000	100.00000	1.20608
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	50.72514	99.15000	48.94288
		Iron (Fe)	7439-89-6	0.05116	0.10000	0.04936
		Misc. Phosphor compounds (generic)	7723-14-0	0.01535	0.03000	0.01481
	Pure metal layer	Silver (Ag)	7440-22-4	0.36835	0.72000	0.35541
		subTotal		51.16000	100.00000	49.36246
Mould Compound	Additive	Non hazardous	Proprietary	1.41491	2.90000	1.36520
		Triphenylphosphine	603-35-0	0.02440	0.05000	0.02354
	Filler	Silica -amorphous-	7631-86-9	35.12880	72.00000	33.89453
	Pigment	Carbon black	1333-86-4	0.02440	0.05000	0.02354
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	7.31850	15.00000	7.06136
		Phenol Formaldehyde resin (generic)	9003-35-4	4.87900	10.00000	4.70757
	subTotal		48.79000	100.00000	47.07574	
Post-Plating	Impurity	Antimony (Sb)	7440-36-0	0.00022	0.01000	0.00021
		Bismuth (Bi)	7440-69-9	0.00044	0.02000	0.00043
		Iron (Fe)	7439-89-6	0.00022	0.01000	0.00021
		Lead (Pb)	7439-92-1	0.00022	0.01000	0.00021
	Tin solder	Tin (Sn)	7440-31-5	2.20890	99.95000	2.13128
	subTotal		2.21000	100.00000	2.13234	
Wire	Impurity	Non hazardous	Proprietary	0.00001	0.01000	0.00001
	Pure metal	Copper (Cu)	7440-50-8	0.10149	99.99000	0.09792
	subTotal		0.10150	100.00000	0.09793	

Note(s):

1) This is a generic description of the substance used as the actual composition of the substances are either considered proprietary or no official CAS number is available. If a CAS number is given, it is the closest match available.

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