

Materials Composition Declaration

Substance present with less 0.001mg will not be declared in this document

Part Number	Package description	Product weight (mg)	Moisture Sensitivity Level (J-STD-020)	Environmental Compliance Info
BOS1901CW	WLCSP 25B 2.1mm x 2.2mm	6,013	1	Quality – Boréas Technologies (boreas.ca)

Homogeneous material	Substance (Mfr Item Name)	CAS	Material group	Mass	Concentration in homogeneous material		Concentration in product	
				(mg)	(%)	(ppm)	(%)	(ppm)
Die	Silicon(Si)	7440-21-3	Other inorganic materials	4,047	99%	991650	67%	673009
	Aluminium(Al)	7429-90-5	Non-ferrous metals and alloys	0,017	0%	4193	0%	2846
	Phosphorus(P)	7723-14-0	Other inorganic materials	0,001	0%	255	0%	173
	Titanium(Ti)	7440-32-6	Non-ferrous metals and alloys	0,005	0%	1315	0%	892
	Tungsten(W)	7440-33-7	Other precious metals	0,011	0%	2588	0%	1756
subtotal				4,081	100%	1000000	68%	678676
Dielectric layers (RCF & PSV)	N-Methyl-2-pyrrolidone	872-50-4	Organic materials	0,041	60%	600000	1%	6787
	Polyamic Acid Ester	Proprietary		0,020	30%	300000	0%	3393
	3,6,9-Trioxaundecamethylene dimethacrylate	109-17-1		0,003	5%	50000	0%	566
	Aromatic Oxime	Proprietary	Organic materials	0,003	5%	50000	0%	566
subtotal				0,068	100%	1000000	1%	11311
Metallization (RDL & UBM)	Titanium(Ti)	7440-32-6	Non-ferrous metals and alloys	0,005	11%	105263	0%	905
	Copper(Cu)	7440-50-8	Non-ferrous metals and alloys	0,046	89%	894737	1%	7692
subtotal				0,052	100%	1000000	1%	8597
Bumps (SAC405)	TIN(Sn)	7440-31-5	Non-ferrous metals and alloys	1,725	95%	951724	29%	286865
	Silver(Ag)	7440-22-4	Precious metals	0,075	4%	41379	1%	12472
	Copper(Cu)	7440-50-8	Non-ferrous metals and alloys	0,013	1%	6897	0%	2079
subtotal				1,813	100%	1000000	30%	301416
total				6,013			100%	

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