

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
BOS0614CW	WLCSP 30B 2.1mm x 2.5mm	6,842	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	4,485	99%	991650	66%	655482
	Aluminium(Al)	7429-90-5	Non-ferrous metals and alloys	0,019	0%	4193	0%	2772
	Phosphorus(P)	7723-14-0	Other inorganic materials	0,001	0%	255	0%	168
	Titanium(Ti)	7440-32-6	Non-ferrous metals and alloys	0,006	0%	1315	0%	869
	Tungsten(W)	7440-33-7	Other precious metals	0,012	0%	2588	0%	1711
subtotal				4,522	100%	1000000	66%	661001
Dielectric layers (RCF & PSV)	N-Methyl-2-pyrrolidone	872-50-4	Organic materials	0,045	60%	600000	1%	6610
	Polyamic Acid Ester	Proprietary		0,023	30%	300000	0%	3305
	3,6,9-Trioxaundecamethylene dimethacrylate	109-17-1		0,004	5%	50000	0%	551
	Aromatic Oxime	Proprietary	Organic materials	0,004	5%	50000	0%	551
subtotal				0,075	100%	1000000	1%	11017
Metallization (RDL & UBM)	Titanium(Ti)	7440-32-6	Non-ferrous metals and alloys	0,006	9%	87452	0%	881
	Copper(Cu)	7440-50-8	Non-ferrous metals and alloys	0,063	91%	912548	1%	9197
subtotal				0,069	100%	1000000	1%	10078
Bumps (SAC405)	TIN(Sn)	7440-31-5	Non-ferrous metals and alloys	2,070	95%	951724	30%	302557
	Silver(Ag)	7440-22-4	Precious metals	0,090	4%	41379	1%	13155
	Copper(Cu)	7440-50-8	Non-ferrous metals and alloys	0,015	1%	6897	0%	2192
subtotal				2,175	100%	1000000	32%	317904
total				6,842			100%	

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