

JO11 Material Declaration

Type
SMD

Total Weight (mg)
4.692



Part	Weight of part (mg)	Material Name	CAS No.	Substance	Weight per Material (%)	Weight (mg)
Base	3.800	Ceramic	1344-28-1	Al ₂ O ₃	57.12	2.17056
			1317-34-6	Mn ₂ O ₃	2.11	0.08018
			14808-60-7	SiO ₂	2.11	0.08018
			1313-27-5	MoO ₃	0.26	0.00988
			1309-48-4	MgO	0.26	0.00988
			7439-98-7	Mo	13.08	0.49704
			7440-02-0	Ni	7.11	0.27018
			7440-48-4	Co	3.16	0.12008
			7440-57-5	Au	1.05	0.03990
			7439-89-6	Fe	7.11	0.27018
			7440-22-4	Ag	5.53	0.21014
			7440-50-8	Cu	1.10	0.04180
Lid	0.754	Kovar	7439-89-6	Fe	47.25	0.35627
			7440-02-0	Ni	38.41	0.28965
			7440-48-4	Co	13.94	0.10508
			7439-96-5	Mn	0.40	0.00301
Blank	0.008	Quartz	14808-60-7	SiO ₂	100.00	0.00800
Electrode	0.005	Metal	7440-57-5	Au	95.00	0.00475
			7440-47-3	Cr	5.00	0.00025
AU Ball	0.005	Metal	7440-57-5	Au	99.00	0.00495
			7440-05-3	Pd	1.00	0.00005
IC	0.110	IC Die	7440-21-3	Silicon	98.45	0.10830
			7429-90-5	Aluminum	0.57	0.00063
			7440-32-6	Titanium	0.34	0.00037
			7440-33-7	Tungsten	0.64	0.00070
Adhesive	0.010	Silver Silicone Resin	68083-19-2	Siloxane	15.00	0.00150
			7440-22-4	Ag	78.00	0.00780
			7631-86-9	SiO ₂	7.00	0.00070