

JO32 Material Declaration

Type
SMD

Total Weight (mg)
27.221



RoHS compliant



Pb free



REACH
compliant



Part	Weight of part (mg)	Material Name	CAS No.	Substance	Weight per Material (%)	Weight (mg)
Base	21	Ceramic	1344-28-1	Al ₂ O ₃	75.8	15.91800
			7631-86-9	SiO ₂	3.8	0.79800
			1308-38-9	Cr ₂ O ₃	0.6	0.12600
			1305-78-8	CaO	0.6	0.12600
			1309-48-4	MgO	0.6	0.12600
			7439-98-7	Mo	1.2	0.25200
			7440-33-7	W	11.6	2.43600
			7440-02-0	Ni	4.1	0.86100
			7440-48-4	Co	1.1	0.23100
			7440-57-5	Au	0.6	0.12600
Lid	4.48	Kovar	7439-89-6	Fe	38.73	1.73510
			7440-02-0	Ni	28.73	1.28710
			7440-48-4	Co	11.77	0.52730
			7439-96-5	Mn	0.18	0.00806
			7440-21-3	Si	0.05	0.00224
			7440-22-4	Ag	14.78	0.66214
			7440-50-8	Cu	5.76	0.25805
Blank	0.7	Quartz	14808-60-7	SiO ₂	100	0.70000
Electrode	0.148	Metal	7440-22-4	Ag	99.5	0.14726
			7440-47-3	Cr	0.5	0.00074
Adhesive	0.03	Silver Silicone Resin	68083-19-2	Siloxane	15	0.00450
			7440-22-4	Ag	78	0.02340
			7631-86-9	SiO ₂	7	0.00210
Gold wire	0.263	Metal	7440-57-5	Au	100	0.03000
IC Die	0.3	IC Die	7440-21-3	Si	99.955	0.02999
			7429-90-5	Al	0.013	0.000004
			7440-32-6	Ti	0.013	0.000004
			7440-33-7	W	0.019	0.00001
IC Encapsulator	0.3	Silver Glue	7440-22-4	Ag	72.00	0.02160
			61788-97-4	Cured Epoxy Resin	28.00	0.00840