

Material Declaration

Type
SMQ32SN

Total Weight (mg)
28.2582



RoHS (2015/863/EC) compliant
(Exemption 7(a))



Part Name	Weight of part (mg)	Subpart Name	Substance Name	CAS No.	Substance Weight (mg)	Substance % per Part	Substance (%)	Substance (ppm)
Cap	11.6435	Copper Alloy 01	Copper (Cu)	7440-50-8	7.16874	61.57	25.37	253686.86
			Nickel (Ni)	7440-02-0	2.01563	17.31	7.13	71328.99
			Zinc (Zn)	7440-66-6	1.98789	17.07	7.03	70347.25
			Manganese (Mn)	7439-96-5	0.02774	0.24	0.10	981.75
		Ni Plating 01	Nickel (Ni)	7440-02-0	0.44352	3.81	1.57	15695.26
Plug Lead Plate	3.2200	Kovar	Iron (Fe)	7439-89-6	0.37785	11.73	1.34	13371.34
			Nickel (Ni)	7440-02-0	0.20309	6.31	0.72	7186.95
			Cobalt (Co)	7440-48-4	0.11906	3.70	0.42	4213.27
		Glass	Borosilicate Glass	65997-17-3	0.70000	21.74	2.48	24771.55
		Plate Alloy 42	Iron (Fe)	7439-89-6	0.98776	30.68	3.50	34954.65
			Nickel (Ni)	7440-02-0	0.69700	21.65	2.47	24665.27
			Cobalt (Co)	7440-48-4	0.00847	0.26	0.03	299.77
			Manganese (Mn)	7439-96-5	0.00678	0.21	0.02	239.80
		Cu Plating 01	Copper (Cu)	7440-50-8	0.12000	3.73	0.42	4246.55
Blank	0.3500	SiO2 Crystal Blank	Silicon oxide (SiO2)	14808-60-7	0.34167	97.62	1.21	12091.00
		Electrode	Chromium (Cr)	7440-47-3	0.00070	0.20	0.00	24.77
			Silica glass (SiO2)	60676-86-0	0.00011	0.03	0.00	3.72
			Gold (Au)	7440-57-5	0.00753	2.15	0.03	266.29
Solder	0.3247	Lead Solder 01	Lead (Pb)	7439-92-1	0.32300	99.48	1.14	11430.30
			Tin (Sn)	7440-31-5	0.00170	0.52	0.01	60.16
Lead frame	2.0200	Alloy 42	Iron(Fe)	7439-89-6	0.74685	36.97	2.64	26429.48
			Nickel(Ni)	7440-02-0	0.53300	26.39	1.89	18861.77
			Cobalt(Co)	7440-48-4	0.00650	0.32	0.02	230.02
			Manganese (Mn)	7439-96-5	0.01040	0.51	0.04	368.03
			Chromium (Cr)	7440-47-3	0.00325	0.16	0.01	115.01
		Tin Plating 01	Tin (Sn)	7440-31-5	0.72000	35.64	2.55	25479.31
Mold	10.7000	Mold 01	Epoxy Compound	25068-38-6	2.35400	22.00	8.33	83303.19
			Aluminium hydroxide	21645-51-2	1.28400	12.00	4.54	45438.11
			Carbon Black	1333-86-4	0.10700	1.00	0.38	3786.51
			Amorphous Silica	60676-86-0	6.95500	65.00	24.61	246123.07

Total: 28.2582

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* Exemptions from RoHS: No 7 (a)

Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)

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