

Material Declaration



Package Type	TH
Package Size	10.4 x 22.5 mm
Terminal Finish	Matte Tin
Finish Thickness	8 microns
Weight (mg)	434.000
MSL	1

Series	CLP4
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Item	Material	Element	Content (mg)	Content (wt%)	CAS #
Cover	Nickel Silver	Nickel (Ni)	6.615	1.524%	7440-02-0
		Copper (Cu)	25.186	5.803%	7440-50-8
		Iron (Fe)	0.102	0.023%	7439-89-6
		Zinc (Zn)	8.395	1.934%	7440-66-6
		Manganese (Mn)	0.254	0.059%	7439-96-5
Base	SPCC	Iron (Fe)	274.462	63.240%	7439-89-6
		Silicon (Si)	2.683	0.618%	7440-21-3
		Carbon C	0.078	0.018%	7440-44-0
	Kovar	Iron (Fe)	28.713	6.616%	7439-89-6
		Nickel (Ni)	15.696	3.617%	7440-02-0
		Cobalt (Co)	9.160	2.111%	7440-48-4
	Solder Plating	Tin (Sn)	0.056	0.013%	7440-31-5
	Crystal mount	Copper (Cu)	5.062	1.166%	7440-50-8
		Nickel (Ni)	1.578	0.364%	7440-02-0
		Manganese (Mn)	0.008	0.002%	7439-96-5
		Iron (Fe)	0.002	0.000%	7439-89-6
		Zinc (Zn)	2.291	0.528%	7440-66-6
	Glass	Glass Frits	8.943	2.061%	65997-18-4
Crystal	Crystal	Silicon Dioxide (SiO2)	26.829	6.182%	14808-60-7
	Electrode	Silver (Ag)	5.366	1.236%	7440-22-4
	Adhesive	Silver (Ag)	9.390	2.164%	7440-22-4
		Ethylene glycol monobutyl ether acetate	0.626	0.144%	112-07-2
		Diethylene glycol monomethyl ether acetate	0.626	0.144%	629-38-9
		Epoxy Resin	1.878	0.433%	129915-35-1
	TOTAL			434.000	100.000%



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