

Material Data Declaration Sheet

ECS INC.

Supplier Part Number	CSM-8M (-20BM)
Product Description	5X7 SMD crystal
Product Revision	
Product Total Weight	0.156g/pcs



Contact Information	Company	ECS INC.
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Homogenous Component/Subcomponent	Homogenous Component/Subcomponent Weight (g)	Substance	CAS number	Substance Weight (g)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
7050 PKG	0.0830	Alumina-Al ₂ O ₃	1344-28-1	0.051875	332532	Ceramic
		Silica-SiO ₂	14808-60-7	0.002988	19154	Ceramic
		Molybdenum-Mo	7439-98-7	0.000415	2660	Ceramic
		Titanium oxide-TiO	13463-67-7	0.000083	532	Ceramic
		Magnesia-MgO	1309-48-4	0.000581	3724	Ceramic
		Calcia-CaO	7440-70-2	0.000498	3192	Ceramic
		Tungsten-W	7440-33-7	0.004233	27135	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000166	1064	Electric conductor
		Silver-Ag	7440-22-4	0.002158	13833	Brazing material
		Copper-Cu	7440-50-8	0.000830	5321	Brazing material
		Iron-Fe	7439-89-6	0.009213	59058	Kovar ring
		Nichel-Ni	7440-02-0	0.004980	31923	Kovar ring
		Cobalt-Co	7440-48-4	0.002905	18622	Kovar ring
		Nickel-Ni	7440-02-0	0.001079	6917	Ni plating
		Cobalt-Co	7440-48-4	0.000498	3192	Ni plating
Gold-Au	7440-57-5	0.000498	3192	Au plating		
LID	0.0475	Iron	7439-89-6	0.02528425	162079	Alloy
		Nickel	7440-02-0	0.01400775	89793	Alloy
		Cobalt	7440-48-4	0.007961	51032	Alloy
		Mn	7439-96-5	0.00018525	1188	Alloy
		Silicone Si	7440-21-3	0.000038	244	Alloy
		Copper Cu	7440-50-8	0.00002375	152	Alloy
Blank	0.0055	Silica SiO ₂	14808-60-7	0.0055	35256	Quartz crystal
Silver	0.015	Silver Ag	7440-22-4	0.01499955	96151	Electrode
		Copper Cu	7440-50-8	0.00000045	3	Electrode
Epoxy	0.005	Silver Ag	7440-22-4	0.00425	27244	Connect
		Silicone Resin	67763-03-5	0.00075	4808	Support