Material Data Declaration Sheet

ECS INC. INTERNATIONAL

Supplier Part Number	CSM-8M (-20BM Package Type)	
Product Description	7.0x5.0mm SMD crystal	
Product Revision		
Product Total Weight	0.156g/pcs	
Contact Information	Company	ECS Inc. International
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street
		Lenexa, Kansas 66219
	Phone Number	913-782-7787

Homogenous Component/Subcomponent	Homogenous Component/Sub component 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_2O_3	1344-28-1	0.051875	625000	Ceramic
		Silica-SiO_2	14808-60-7	0.002988	36000	Ceramic
		Molybdenum-Mo	7439-98-7	0.000415	5000	Ceramic
		Titanium oxide-TiO	13463-67-7	0.000083	1000	Ceramic
		Magnesia-MgO	1309-48-4	0.000581	7000	Ceramic
		Calcia-CaO	1305-78-8	0.000498	6000	Ceramic
		Tungsten-W	7440-33-7	0.004233	51000	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000166	2000	Electric conductor
		Silver-Ag	7440-22-4	0.002158	26000	Brazing material
		Copper-Cu	7440-50-8	0.000830	10000	Brazing material
		Iron-Fe	7439-89-6	0.009213	111000	Kovar ring
		Nickel-Ni	7440-02-0	0.004980	60000	Kovar ring
		Cobalt-Co	7440-48-4	0.002905	35000	Kovar ring
		Nickel-Ni	7440-02-0	0.001079	13000	Ni plating
		Cobalt-Co	7440-48-4	0.000498	6000	Ni plating
		Gold-Au	7440-57-5	0.000498	6000	Au plating
LID	0.0475	Iron-Fe	7439-89-6	0.02528425	532300	Alloy
		Nickel-Ni	7440-02-0	0.01400775	294900	Alloy
		Cobalt-Co	7440-48-4	0.007961	167600	Alloy
		Manganese-Mn	7439-96-5	0.00018525	3900	Alloy
		Silicon-Si	7440-21-3	0.000038	800	Alloy
		Copper-Cu	7440-50-8	0.00002375	500	Alloy
Blank	0.0055	Silica-SiO2	14808-60-7	0.0055	1000000	Quartz crystal
Silver	0.015	Silver-Ag	7440-22-4	0.01499955	999970	Electrode
		Copper-Cu	7440-50-8	0.00000045	30	Electrode
Epoxy	0.005	Silver-Ag	7440-22-4	0.00425	850000	Connect
		Silicone Resin	67763-03-5	0.00075	150000	Support