

Material Data Declaration Sheet

ECS INC. INTERNATIONAL

ECS Model	ECX-64 (-23B Package Type)	
Product Description	6.0x3.5mm SMD Crystal	
Part Number		
Product Total Weight	0.104g/pcs	
Contact Information	Company	ECS INC. INTERNATIONAL
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	Address	15351 W. 109th Street Lenexa, KS 66219 USA
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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
6035 PKG	0.0530	Alumina-Al ₂ O ₃	1344-28-1	0.036464	688000	Ceramic
		Silica-SiO ₂	14808-60-7	0.002120	40000	Ceramic
		Molybdenum-Mo	7439-98-7	0.000318	6000	Ceramic
		Titanium dioxide-TiO ₂	13463-67-7	0.000053	1000	Ceramic
		Magnesia-MgO	1309-48-4	0.000424	8000	Ceramic
		Calcia-CaO	1305-78-8	0.000371	7000	Ceramic
		Tungsten-W	7440-33-7	0.002862	54000	Electric conductor
		Molybdenum-Mo	7439-98-7	0.000106	2000	Electric conductor
		Silver-Ag	7440-22-4	0.001060	20000	Brazing material
		Copper-Cu	7440-50-8	0.000424	8000	Brazing material
		Iron-Fe	7439-89-6	0.004134	78000	Kovar ring
		Nickel-Ni	7440-02-0	0.002226	42000	Kovar ring
		Cobalt-Co	7440-48-4	0.001325	25000	Kovar ring
		Nickel-Ni	7440-02-0	0.000689	13000	Ni plating
		Cobalt-Co	7440-48-4	0.000265	5000	Ni plating
Gold-Au	7440-57-5	0.000159	3000	Au plating		
LID	0.03	Iron-Fe	7439-89-6	0.015969	532300	Alloy
		Nickel-Ni	7440-02-0	0.008847	294900	Alloy
		Cobalt-Co	7440-48-4	0.005028	167600	Alloy
		Manganese-Mn	7439-96-5	0.000117	3900	Alloy
		Silicon-Si	7440-21-3	0.000024	800	Alloy
		Copper-Cu	7440-50-8	0.000015	500	Alloy
Blank	0.003	Silica-SiO ₂	14808-60-7	0.003	1000000	Quartz crystal
Silver	0.013	Silver-Ag	7440-22-4	0.012999610	999970	Electrode
		Copper-Cu	7440-50-8	0.000000390	30	Electrode
Epoxy	0.005	Silver-Ag	7440-22-4	0.00425	850000	Connect
		Silicone Resin	67763-03-5	0.00075	150000	Support