

# Material Data Declaration Sheet

ECS Part Number	ECX-32 (-33)	
Product Description		
Product Revision		
Product Total Weight	0.02g/pcs	
Contact Information	Company	ECS INC INTERNATIONAL
	Contact Name	AJ Anderson
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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
3225 PKG	0.0165	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	0.00623700	311850	Ceramic
		Silica-SiO <sub>2</sub>	14808-60-7	0.00021500	10750	Ceramic
		Titanium oxide-TiO	13463-67-7	0.00003300	1650	Ceramic
		Magnesia-MgO	1309-48-4	0.00003300	1650	Ceramic
		Calcium oxide-CaO	1305-78-8	0.00003300	1650	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.00038000	19000	Ceramic
		Tungsten-W	7440-33-7	0.00189500	94750	Electric conductor
		Molybdenum-Mo	7439-98-7	0.00006600	3300	Electric conductor
		Silver-Ag	7440-22-4	0.00056100	28050	Brazing material
		Copper-Cu	7440-50-8	0.00021500	10750	Brazing material
		Iron-Fe	7439-89-6	0.00328400	164200	Kovar ring
		Nickel-Ni	7440-02-0	0.00176600	88300	Kovar ring
		Cobalt-Co	7440-48-4	0.00102300	51150	Kovar ring
		Nickel-Ni	7440-02-0	0.00039600	19800	Ni plating
		Cobalt-Co	7440-48-4	0.00016500	8250	Ni plating
LID	0.001	Gold-Au	7440-57-5	0.00019800	9900	Au plating
		Iron	7439-89-6	0.00053230	26615	Alloy
		Nickel	7440-02-0	0.00029490	14745	Alloy
		Cobalt	7440-48-4	0.00016760	8380	Alloy
		Mn	7439-96-5	0.00000390	195	Alloy
		Silicone Si	7440-21-3	0.00000080	40	Alloy
		Copper Cu	7440-50-8	0.00000050	25	Alloy
Blank	0.0015	Silica SiO <sub>2</sub>	14808-60-7	0.00150000	75000	Quartz crystal
Silver	0.0005	Silver Ag	7440-22-4	0.00049997	24999	Electrode
		Copper Cu	7440-50-8	0.00000002	1	Electrode
		Iron Fe	7439-89-6	0.00000001	0.500	Electrode
Epoxy	0.0005	Silver Ag	7440-22-4	0.00042500	21250	Connect
		Silicone Resin	67763-03-5	0.00007500	3750	Support