

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	HC-49USX, -4X Suffix
Product Description	Crystal
Product Total Weight	0.551g/pcs



Contact Information	Company	ECS INC. INTERNATIONAL
	Contact Name	Dan Kelly
	Address	1105 S. Ridgeview Olathe KS 66062
	Phone Number	913-782-7787

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
Base	0.3768	Fe		0.310858	564171	BASE
		C		0.000087	158	BASE
		Si		0.000031	57	BASE
		Mn		0.000748	1358	BASE
		P		0.000044	79	BASE
		S		0.000031	57	BASE
		Fe		0.021462	38950	WIRE
		Ni		0.011842	21491	WIRE
		Co		0.006925	12567	WIRE
		C		0.000001	2	WIRE
		Si		0.000032	57	WIRE
		Mn		0.000101	183	WIRE
		Cr		0.000009	17	WIRE
		Mo		0.000011	21	WIRE
		Cu		0.000016	29	WIRE
		S		0.000001	1	WIRE
		P		0.000001	2	WIRE
		Cu		0.001723	3127	PIN
		Ni		0.005615	10191	PIN
		Zn		0.002862	5194	PIN
		Si		0.010080	18294	GLASS
		B		0.002160	3920	GLASS
		Al		0.001008	1829	GLASS
Li		0.000288	523	GLASS		
Na		0.000432	784	GLASS		
K		0.000432	784	GLASS		
Cover	0.165	Cu		0.1089	197641	Alloy
		Zn		0.0226875	41175	Alloy
		Ni		0.032175	58394	Alloy
		Mn		0.000825	1497	Alloy
		Fe		0.0004125	749	Alloy
Blank	0.0072	Silica SiO2		0.0072	13067	Quartz crystal
Silver	0.001	Silver Ag		0.00099993	1815	Electrode
		Copper Cu		0.00000003	0	Electrode
		Bi		0.00000001	0	Electrode
		Iron Fe		0.00000001	0	Electrode
		Sb		0.00000001	0	Electrode
		Se		0.00000001	0	Electrode
		Te		0.00000001	0	Electrode
Epoxy	0.001	Silver Ag		0.00085	1543	Connect
		Silicone Resin		0.00015	272	Support