

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	HC-49UX (-1X)
Product Description	Crystal
Product Total Weight	0.96388g/pcs



Contact Information	Company	ECS INC. INTERNATIONAL
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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
Base	0.3781	Fe	7439-89-6	0.297300	308441	BASE
		C	7440-44-0	0.000150	156	BASE
		Si	7440-21-3	0.000030	31	BASE
		Mn	7439-96-5	0.000510	529	BASE
		S	7704-34-9	0.000020	21	BASE
		Fe	7439-89-6	0.019790	20532	WIRE
		Ni	7440-02-0	0.015000	15562	WIRE
		Co	7440-48-4	0.006330	6567	WIRE
		C	7440-44-0	0.000001	1	WIRE
		Si	7440-21-3	0.000040	41	WIRE
		Mn	7439-96-5	0.000100	104	WIRE
		Cu	7440-50-8	0.013210	13705	WIRE
		Zn	7440-66-6	0.006170	6401	WIRE
		Cu	7440-50-8	0.000001	1	PIN
		Ni	7440-02-0	0.000350	363	PIN
		Sn	7440-31-5	0.000410	425	PIN
		SiO2	14808-60-7	0.016020	16620	GLASS
		Al2O3	1344-28-1	0.001090	1131	GLASS
		Na2O	12401-86-4	0.001130	1172	GLASS
		K2O	12136-45-7	0.000410	425	GLASS
Cover	0.562318	Cu	7440-50-8	0.374868	388916	Alloy
		Zn	7440-66-6	0.07782	80736	Alloy
		Ni	7440-02-0	0.10509	109028	Alloy
		Mn	7439-96-5	0.00284	2946	Alloy
		Fe	7439-89-6	0.0017	1764	Alloy
Blank	0.015	Silica SiO2	14808-60-7	0.015	15562	Quartz crystal
Silver	0.0045	Silver Ag	7440-22-4	0.00450000	4669	Electrode
Epoxy	0.004	Silver Ag	7440-22-4	0.0032	3320	Connect
		Silicone Resin	7440-21-3	0.0008	830	Support