

Material Data Declaration Sheet

ECS INC. INTERNATIONAL



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

Contact Information	Company	ECS INC. INTERNATIONAL
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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
Base	0.378062	Fe	7439-89-6	0.297300	786379	BASE
		C	7440-44-0	0.000150	397	BASE
		Si	7440-21-3	0.000030	79	BASE
		Mn	7439-96-5	0.000510	1349	BASE
		S	7704-34-9	0.000020	53	BASE
		Fe	7439-89-6	0.019790	52346	WIRE
		Ni	7440-02-0	0.015000	39676	WIRE
		Co	7440-48-4	0.006330	16743	WIRE
		C	7440-44-0	0.000001	3	WIRE
		Si	7440-21-3	0.000040	106	WIRE
		Mn	7439-96-5	0.000100	265	WIRE
		Cu	7440-50-8	0.013210	34941	WIRE
		Zn	7440-66-6	0.006170	16320	WIRE
		Cu	7440-50-8	0.000001	3	PIN
		Ni	7440-02-0	0.000350	926	PIN
		Sn	7440-31-5	0.000410	1084	PIN
		SiO2	14808-60-7	0.016020	42374	GLASS
		Al2O3	1344-28-1	0.001090	2883	GLASS
		Na2O	12401-86-4	0.001130	2989	GLASS
K2O	12136-45-7	0.000410	1084	GLASS		
Cover	0.562318	Cu	7440-50-8	0.374868	666648	Alloy
		Zn	7440-66-6	0.077820	138391	Alloy
		Ni	7440-02-0	0.105090	186887	Alloy
		Mn	7439-96-5	0.002840	5051	Alloy
		Fe	7439-89-6	0.001700	3023	Alloy
Blank	0.015000	Silica SiO2	14808-60-7	0.015000	1000000	Quartz crystal
Silver	0.004500	Silver Ag	7440-22-4	0.004500	1000000	Electrode
Epoxy	0.004000	Silver Ag	7440-22-4	0.003200	800000	Connect
		Silicone Resin	67763-03-5	0.000800	200000	Support