


**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model Number		HC-46X (-46X)				
Product Description		Crystal, Pb Free RoHS Compliant				
Product Revision						
Product Total Weight		0.1398g/pcs				
Contact Information	Company	ECS INC.				
	Contact Name	AJ Anderson				
	Address	15351 W. 109th Street Lenexa, Kansas 66219				
	Phone Number	(913) 782-7787				
Homogenous Component/Subcomponent	Homogenous Component/Subcomponent Weight (mg)	Substance	CAS number	Substance Weight (g)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Base	0.0865	Fe	7439-89-6	0.076985	550680	Base
		Cu	7440-50-8	0.001480	10587	Pin
		Zn	7440-66-6	0.000637	4557	Pin
		Ni	7440-02-0	0.003414	24421	Pin
		SiO2	14808-60-7	0.001707	12210	Glass
		Co	7440-48-4	0.002049	14657	Pin
		Sn	7440-31-5	0.000228	1631	Pin
Cover	0.0495	Cu	7440-50-8	0.032617	233312	Alloy
		Zn	7440-66-6	0.006766	48398	Alloy
		Ni	7440-02-0	0.009683	69263	Alloy
		Mn	7439-96-5	0.000248	1774	Alloy
		Fe	7439-89-6	0.000186	1330	Alloy
Blank	0.0015	Silica SiO2	14808-60-7	0.001500	10730	Quartz crystal
Silver	0.0003	Silver Ag	7440-22-4	0.000300	2146	Electrode
Epoxy	0.0020	Silver Ag	7440-22-4	0.001200	8584	Connect
		Epoxy Resin	61788-97-4	0.000800	5722	Support