

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model	ECX-19A (-19A Package Type)					
Product Description	SMD Crystal					
Product Total Weight	270.45144mg/pcs					
Contact Information	Company	ECS INC. INTERNATIONAL				
	Contact Name	AJ Anderson				
	Address	15351 W. 109th Street Lenexa, KS 66219				
	Phone Number	913-782-7787				
Homogenous Component/Subcomponent	Homogenous Component/Sub component Weight (g)	Substance	CAS number	Substance Weight (mg)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
		Nickel-Ni	7440-02-0	38.33800000	234842	Header
		Cobalt-Co	7440-48-4	21.15200000	129568	Header
		Silicone-SiO2	7631-86-9	10.50000000	64319	Glass Seal
		Boroxine-B3O3	289-56-5	3.75000000	22971	Glass Seal
		Iron-Fe	7439-89-6	3.74000000	22910	Terminal
		Nickel-Ni	7440-02-0	1.97200000	12080	Terminal
		Cobalt-Co	7440-48-4	1.08800000	6665	Terminal
		Nickel-Ni	7440-02-0	1.02000000	6248	Pin
		Copper-Cu	7440-50-8	3.36000000	20582	Pin
		Manganese-Mn	7439-96-5	0.01500000	92	Pin
		Zinc-Zn	7440-66-6	1.60500000	9832	Pin
		Nickel-Ni	7440-02-0	3.10590000	19025	Ni Plating
		Phosphorus-P	7723-14-0	0.39410000	2414	Ni Plating
		Cobalt-Co	7440-48-4	0.00100000	6	Au Plating
		Gold-Au	7440-57-5	0.49900000	3057	Au Plating
Cover	90.0000000	Iron-Fe	7439-89-6	50.46000000	560667	Cover
		Nickel-Ni	7440-02-0	36.54000000	406000	Cover
		Nickel-Ni	7440-02-0	2.66220000	29580	Ni Plating
		Phosphorus-P	7723-14-0	0.33780000	3753	Ni Plating
Conductive Epoxy	1.7014300	Epoxy resin-Bisphenol F type	28064-14-4	0.17117000	100604	Epoxy
		Silver-Ag	7440-22-4	1.28378000	754530	Epoxy
		Ethylene glycol	107-21-1	0.07531000	44263	Epoxy
		Diethylene glycol monoethyl	112-15-2	0.17117000	100604	Epoxy
Blank	15.5000100	Silica-SiO2	14808-60-7	15.50000000	999999	Quartz
		Silver-Ag	7440-22-4	0.00001000	1	Quartz

