

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**



ECS Model Number		CSM-7SSX (-5PVX Package)					
Product Description		SMD Crystal, Pb Free RoHS Compliant					
Product Revision							
Product Total Weight		0.4608g/pcs					
Contact Information	Company	ECS INC.					
	Contact Name	AJ Anderson					
	Address	1105 S. Ridgeview, Olathe KS 66062 USA					
	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)	PPM Level Availability Date (If Not Available)	Purpose/Location
Base	0.279599	Fe	7439-89-6	0.241931	525024		Base
		Si	7440-21-3	0.000022	48		Base
		S	7704-34-9	0.000053	115		Base
		Mn	7439-96-5	0.000538	1168		Base
		C	7440-44-0	0.000063	137		Base
		Cu	7440-50-8	0.001728	3750		Pin
		Zn	7440-66-6	0.002862	6211		Pin
		Ni	7440-02-0	0.005615	12185		Pin
		Li	7439-93-2	0.000288	625		Glass
		SiO2	14808-60-7	0.010080	21875		Glass
		Al2O3	1344-28-1	0.001008	2188		Glass
		Na2O	12401-86-4	0.000432	938		Glass
		K2O	12136-45-7	0.000432	938		Glass
		Fe	7439-89-6	0.007331	15909		Lead
		Ni	7440-02-0	0.004045	8778		Lead
		Co	7440-48-4	0.002365	5132		Lead
		Mn	7439-96-5	0.000035	76		Lead
		Si	7440-21-3	0.000011	24		Lead
		Ni	7440-02-0	0.000350	760		Pin
		Sn	7440-31-5	0.000408	885		Pin
Cu	7440-50-8	0.000002	4		Pin		
Cover	0.131001	Cu	7440-50-8	0.086460	187630		Alloy
		Zn	7440-66-6	0.018013	39091		Alloy
		Ni	7440-02-0	0.025545	55436		Alloy
		Mn	7439-96-5	0.000655	1421		Alloy
		Fe	7439-89-6	0.000328	712		Alloy
Blank	0.0072	Silica SiO2	14808-60-7	0.007200	15625		Quartz crystal
Silver	0.001	Silver Ag	7440-22-4	0.001000	2170		Electrode
Epoxy	0.001000	Silver Ag	7440-22-4	0.000850	1845		Connect
		Silicone Resin	7440-21-3	0.000150	326		Support
Insulator Tab	0.041	PPS	15471-17-7	0.041000	88976		Insulator