

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model Number	CSM-4AX (-28AX)	
Product Description	SMD Crystal, Pb Free RoHS Compliant	
Product Revision		
Product Total Weight	0.609499g/pcs	
Contact Information	Company	ECS INC.
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street Lenexa, KS 66219
	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)	Purpose/Location
Base	0.345299	Fe	7439-89-6	0.3109270	900457	BASE
		C	7440-44-0	0.0000870	252	BASE
		Si	7440-21-3	0.0000310	90	BASE
		Mn	7439-96-5	0.0007700	2230	BASE
		Fe	7439-89-6	0.0047280	13692	WIRE
		Ni	7440-02-0	0.0026090	7556	WIRE
		Co	7440-48-4	0.0015250	4416	WIRE
		Mn	7439-96-5	0.0000220	64	WIRE
		Cu	7440-50-8	0.0017230	4990	PIN
		Ni	7440-02-0	0.0056150	16261	PIN
		Zn	7440-66-6	0.0028620	8288	PIN
		Si	7440-21-3	0.0100800	29192	GLASS
		B	7440-42-8	0.0021600	6255	GLASS
		Al	7429-90-5	0.0010080	2919	GLASS
		Li	7439-93-2	0.0002880	834	GLASS
		Na	7440-23-5	0.0004320	1251	GLASS
K2O	12136-45-7	0.0004320	1251	GLASS		
Cover	0.165000	Cu	7440-50-8	0.1089000	660000	Alloy
		Zn	7440-66-6	0.0226875	137500	Alloy
		Ni	7440-02-0	0.0321750	195000	Alloy
		Mn	7439-96-5	0.0008250	5000	Alloy
		Fe	7439-89-6	0.0004125	2500	Alloy
Blank	0.007200	Silica SiO2	14808-60-7	0.0072000	1000000	Quartz crystal
Silver	0.001000	Silver Ag	7440-22-4	0.0010000	1000000	Electrode
Epoxy	0.001000	Silver Ag	7440-22-4	0.0008500	850000	Connect
		Silicone Resin	67763-03-5	0.0001500	150000	Support
Insulator Tab	0.090000	PPS	15471-17-7	0.0702000	780000	
		Glass fiber	65997-17-3	0.0180000	200000	
		Fe	7439-89-6	0.0009000	10000	
		Co	7440-48-4	0.0007650	8500	
		Ni	7440-02-0	0.0000990	1100	
		Ag	7440-22-4	0.0000360	400	