

Material Data Declaration Sheet

ECS INC. INTERNATIONAL



ECS Model Number	CSM-7X (-5PX)	
Product Description	SMD Crystal, Pb Free RoHS Compliant	
Product Revision		
Product Total Weight	0.589560g/pcs	
Contact Information	Company	ECS INC.
	Contact Name	AJ Anderson
	Address	15351 W. 109th Street Lenexa, Kansas 66219
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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)	Content Rate Weight (%)	Material
Base	0.355061	Fe	7439-89-6	0.297255	837194	83.72	Steel tape
		Si	7440-21-3	0.000030	84	0.01	Steel tape
		S	7704-34-9	0.000060	169	0.02	Steel tape
		Mn	7439-96-5	0.000507	1428	0.14	Steel tape
		C	7440-44-0	0.000149	420	0.04	Steel tape
		Cu	7440-50-8	0.010416	29336	2.93	Pin
		Zn	7440-66-6	0.004868	13710	1.37	Pin
		Ni	7440-02-0	0.003357	9455	0.95	Pin
		Mn	7439-96-5	0.000007	20	0.00	Pin
		Fe	7439-89-6	0.000002	6	0.00	Pin
		SiO2	14808-60-7	0.016024	45130	4.51	Glass
		Al2O3	1344-28-1	0.001089	3067	0.31	Glass
		Na2O	12401-86-4	0.001126	3171	0.32	Glass
		K2O	12136-45-7	0.000410	1155	0.12	Glass
		Fe	7439-89-6	0.010163	28623	2.86	Lead
		Ni	7440-02-0	0.005514	15530	1.55	Lead
		Co	7440-48-4	0.003253	9162	0.92	Lead
		Mn	7439-96-5	0.000048	135	0.01	Lead
		Si	7440-21-3	0.000021	59	0.01	Lead
		C	7440-44-0	0.000002	6	0.00	Lead
		Ni	7440-02-0	0.000350	986	0.10	Ni plating
		Sn	7440-31-5	0.000408	1149	0.11	Sn
Cu	7440-50-8	0.000002	6	0.00	Sn		
Cover	0.173999	Cu	7440-50-8	0.114840	660004	66.00	Nickel silver
		Zn	7440-66-6	0.023838	137001	13.70	Nickel silver
		Ni	7440-02-0	0.032211	185122	18.51	Nickel silver
		Mn	7439-96-5	0.000870	5000	0.50	Nickel silver
		Fe	7439-89-6	0.000522	3000	0.30	Nickel silver
		Ni	7440-02-0	0.001718	9874	0.99	Ni plating
Blank	0.006000	SiO2	14808-60-7	0.006000	1000000	100.00	Blank
Silver	0.002800	Silver Ag	7440-22-4	0.002800	1000000	100.00	Silver
Epoxy	0.001700	Silver Ag	7440-22-4	0.001360	800000	80.00	Epoxy
		Hardener	98-67-9	0.000170	100000	10.00	Epoxy
		Silicone Resin	67763-03-5	0.000170	100000	10.00	Epoxy
Insulator Tab	0.050000	Polyphenylene Sulfide	26125-40-6	0.027500	550000	55.00	PPS
		Carbon Black	1333-86-4	0.020000	400000	40.00	PPS
		Fiber Glass	65997-17-3	0.002500	50000	5.00	PPS