

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	0.6525g/pcs



Contact Information	Company	ECS INC.
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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)	PPM Level Availability Date (If Not Available)	Purpose/Location
Base	0.3453	Fe	7439-89-6	0.310927	476516		BASE
		C	7440-44-0	0.000087	134		BASE
		Si	7440-21-3	0.000031	48		BASE
		Mn	7439-96-5	0.000770	1180		BASE
		Fe	7439-89-6	0.004728	7246		WIRE
		Ni	7440-02-0	0.002609	3998		WIRE
		Co	7440-48-4	0.001525	2338		WIRE
		Mn	7439-96-5	0.000022	34		WIRE
		Cu	7440-50-8	0.001723	2641		PIN
		Ni	7440-02-0	0.005615	8605		PIN
		Zn	7440-66-6	0.002862	4386		PIN
		Si	7440-21-3	0.010080	15448		GLASS
		B	7440-42-8	0.002160	3310		GLASS
		Al	1344-28-1	0.001008	1545		GLASS
		Li	7439-93-2	0.000288	441		GLASS
		Na	12401-86-4	0.000432	662		GLASS
		K	12136-45-7	0.000432	662		GLASS
Cover	0.165	Cu	7440-50-8	0.1089	166897		Alloy
		Zn	7440-66-6	0.0226875	34770		Alloy
		Ni	7440-02-0	0.032175	49310		Alloy
		Mn	7439-96-5	0.000825	1264		Alloy
		Fe	7439-89-6	0.0004125	632		Alloy
Blank	0.0072	Silica SiO2	14808-60-7	0.0072	11034		Quartz crystal
Silver	0.001	Silver Ag	7440-22-4	0.00100000	1533		Electrode
Epoxy	0.001	Silver Ag	7440-22-4	0.00085	1303		Connect
		Silicone Resin	7440-21-3	0.00015	230		Support
Insulator Tab	0.09	PPS	15471-17-7	0.0702	107586		
		Glass fiber	65997-17-3	0.018	27586		
		Fe	7439-89-6	0.0009	1379		
		Co	7440-48-4	0.000765	1172		
		Ni	7440-02-0	0.000099	152		
		Ag	7440-22-4	0.000036	55		
7391A/B	0.023	Epoxy resin	119345-05-0	0.0115	17625		Epoxy
		Silica	14808-60-7	0.0069	10575		Epoxy
		Propanediol Polymer oxirane	134737-27-2	0.00345	5287		Epoxy
		Diethylenetriamine	111-40-0	0.00115	1762		Epoxy
Solder	0.02	Sn	7440-31-5	0.019	29119		Support
		SB	7440-36-0	0.001	1533		Support