


Material Data Declaration Sheet

ECS Part Number	ECX-1210B (-1210B)					
Product Description	1.2 x 1.0mm SMD Quartz Crystal					
Product Revision						
Product Total Weight	0.822mg/pc.					
Contact Information	Company	ECS INC INTERNATIONAL				
	Contact Name	AJ Anderson				
	Address	15351 W. 109th Street Lenexa, Kansas 66219				
	Phone Number	913-782-7787				
Homogenous Component/Subcomponent	Homogenous Component/Subcomponent Weight (mg)	Substance	CAS number	Substance Weight (mg)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Crystal Lid	0.2680	SiO2	14808-60-7	0.2680	326034	Quartz Crystal
Crystal Blank	0.1980	SiO2	14808-60-7	0.1980	240876	Quartz Crystal
Crystal Base	0.2680	SiO2	14808-60-7	0.2680	326034	Quartz Crystal
Electrode	0.0086	Cr	7440-47-3	0.0001	122	Cr Alloy Layer
		Ru	7440-18-8	0.0005	608	Cr Alloy Layer
		Au	7440-57-5	0.0080	9732	Gold Layer
Metallize for Sealing	0.0179	Cr	7440-47-3	0.0003	365	Cr Alloy Layer
		Ru	7440-18-8	0.0011	1338	Cr Alloy Layer
		Au	7440-57-5	0.0165	20073	Gold Layer
Terminals	0.0224	Cr	7440-47-3	0.0002	243	Cr Substratum
		Cu	7440-50-8	0.0012	1460	Cu Substratum
		Ni	7440-02-0	0.0170	20681	Ni Plating
		P	7723-14-0	0.0014	1703	Ni Plating
		Co	7440-48-4	0.0012	1460	Ni Plating
		S	7704-34-9	0.0010	1217	Ni Plating
		Au	7440-57-5	0.0004	487	Au Plating
Shield	0.0391	Cr	7440-47-3	0.0003	365	Cr Substratum
		Cu	7440-50-8	0.0022	2676	Cu Substratum
		Ni	7440-02-0	0.0310	37713	Ni Plating
		P	7723-14-0	0.0025	3041	Ni Plating
		Co	7440-48-4	0.0022	2676	Ni Plating
		S	7704-34-9	0.0001	122	Ni Plating
		Au	7440-57-5	0.0008	973	Au Plating