


Material Data Declaration Sheet			ECS INC. INTERNATIONAL			
ECS Model	CSM-12 (-18 Package Type)					
Description	Crystal					
Total Weight	351.1 mg/pc					
Contact Information	Company	ECS INC. INTERNATIONAL				
	Contact Name	Dan Kelly				
	Address	1105 S. Ridgeview				
		Olathe KS 66062				
Phone Number	913-782-7787					
Component	Material		Weight(mg)	Substance	Weight(mg)	Weight(%)
CAP	CERAMIC		127.39	Al2O3	104.717	29.83
				W	9.045	2.58
				Cr2O3	4.586	1.31
				SiO2	4.204	1.20
				CaO	0.510	0.15
				MgO	0.637	0.18
				TiO2	1.274	0.36
				Mo	0.382	0.11
				Ni	1.274	0.36
				Co	0.382	0.11
	Au	0.382	0.11			
	GLASS		27.61	GLASS	8.282	2.36
				PbO	19.325	5.50
BASE	CERAMIC		184.05	Al2O3	101.229	28.83
				PbO	18.405	5.24
				PbF2	16.565	4.72
				TiO2	9.203	2.62
				MnO2	9.203	2.62
				SiO2	9.203	2.62
				Bi2O3	5.522	1.57
				Fe2O3	3.681	1.05
				Nb2O6	3.681	1.05
				Cr2O3	3.681	1.05
				ZnO	1.841	0.52
				B2O3	1.841	0.52
				METAL	MO	2.10
	PLATING	Ni	0.95	Ni	0.614	0.17
				Au	0.333	0.09
BLANK	SiO2		5.00	SiO2	5.000	1.42
	ELECTRODE		0.04	Cr	0.001	0.00
		Ag		0.043	0.01	
BOND		STAYSTIK 101S	3.96	Ag	2.826	0.80
				Polysulfone	1.130	0.32
TOTAL			351.10			100.00