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## Materials Declaration

**Company Name : Fox Electronics**

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**Completed by Bruce Clark**

**Date : March 22, 2011**

**Product Family : FSRLF Plastic Package Crvstal**

	Material Name	Component	Content (mg)	Content (w t %)	(CAS Number)
Cover	Nickel Silver	Nickel (Ni)	3.713	2.8074%	7440-02-0
		Copper (Cu)	13.658	10.3269%	7440-50-8
		Manganese (Mn)	0.028	0.0212%	7439-96-5
		Zinc (Zn)	3.938	2.9775%	7440-66-6
	Nickel Plating	Nickel (Ni)	3.071	2.3220%	7440-02-0
Base	Alloy 42	Iron (Fe)	2.871	2.1708%	7439-89-6
		Nickel (Ni)	2.030	1.5349%	7440-02-0
	Glass	Silicon Dioxide (SiO <sub>2</sub> )	2.820	2.1322%	7631-86-9
	Kovar	Iron (Fe)	0.992	0.7501%	7439-89-6
		Nickel (Ni)	0.534	0.4038%	7440-02-0
		Cobalt (Co)	0.313	0.2367%	7440-48-4
	Nickel Plating	Nickel (Ni)	0.444	0.3357%	7440-02-0
	Solder Plating	Tin (Sn)	0.396	0.2994%	7440-31-5
Lead (Pb)		3.200	2.4195%	7439-92-1	
Plastic Mold	Epoxy Resin	Silica Fused	54.528	41.2288%	60676-86-0
		Epoxy Resin	7.680	5.8069%	Trade Secret
		Phenol Resin	7.286	5.5090%	Trade Secret
		Flame Retardant	3.840	2.9034%	Trade Secret
		Carbon Black	1.930	1.4593%	1333-86-4
Leadframe	2680R	Copper (Cu)	8.402	6.3528%	7440-50-8
		Zinc (Zn)	4.328	3.2724%	7440-66-6
	Termination Plating	Copper (Cu)	0.143	0.1081%	7440-50-8
		Matte Tin (Sn)	0.858	0.6487%	7440-31-5
Crystal	Crystal	Silicon Dioxide (SiO <sub>2</sub> )	2.360	1.7844%	14464-46-1
	Electrode	Silver (Ag)	0.030	0.0227%	7440-22-4
		Chromium (Cr)	0.004	0.0030%	7440-47-3
Crystal attach solder	Solder	Tin (Sn)	0.230	0.1739%	7440-31-5
		Lead (Pb)	2.570	1.9432%	7439-92-1
		Silver (Ag)	0.060	0.0454%	7440-22-4
<b>TOTAL</b>			<b>132.26</b>	<b>100.00%</b>	
<b>RoHS Compliant via Exemption 7a - Use of High Melting Temperature solder containing &gt;85%wt Pb</b>					