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## Materials Declaration

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Completed by Bruce Clark

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Product Family : 4x10x3.5mm Plastic Package Crvstal (FSM)

	Material Name	Component	Content (mg)	Content ( w t % )	(CAS Number)
Cover	Nickel Silver	Nickel (Ni)	5.80	2.8968%	7440-02-0
		Copper (Cu)	20.60	10.2887%	7440-50-8
		Manganese (Mn)	0.10	0.0499%	7439-96-5
		Zinc (Zn)	5.70	2.8469%	7440-66-6
	Nickel Plating	Nickel (Ni)	3.80	1.8979%	7440-02-0
Base	Alloy 42	Iron (Fe)	2.50	1.2486%	7439-89-6
		Nickel (Ni)	1.80	0.8990%	7440-02-0
	Glass	Silicon Dioxide (SiO <sub>2</sub> )	3.00	1.4984%	7631-46-1
	Kovar	Iron (Fe)	0.80	0.3996%	7439-89-6
		Nickel (Ni)	0.40	0.1998%	7440-02-0
		Cobalt (Co)	0.30	0.1498%	7440-48-4
	Copper Plating	Copper (Cu)	0.10	0.0499%	7440-50-8
	Solder Plating	Tin (Sn)	0.09	0.0450%	7440-44-0
Lead (Pb)		0.81	0.4046%	7439-92-1	
Plastic Mold	Epoxy Resin	Silica Fused	94.40	47.14814%	60676-86-0
		Epoxy, cresol novolac	22.70	11.33753%	29690-82-2
		Phenol novolac	6.30	3.14654%	9003-35-4
		Antimony Trioxide (Sb <sub>2</sub> O <sub>3</sub> )	2.50	1.24863%	1309-64-4
Leadframe	Alloy 42	Iron (Fe)	8.70	4.345220%	7439-89-6
		Nickel (Ni)	6.30	3.15%	7440-02-0
	Solder Plating	Tin (Sn)	9.00	4.495%	7440-31-5
		Lead (Pb)	1.00	0.499451%	7439-92-1
Crystal	Crystal	Silicon Dioxide (SiO <sub>2</sub> )	0.330	0.16%	14464-46-1
	Electrode	Silver (Ag)	0.060	0.0300%	7440-22-4
		Gold (Au)	0.250	0.1249%	7440-57-5
		Chromium (Cr)	0.020	0.0100%	7440-47-3
	Solder	Silver (Ag)	0.055	0.027470%	7440-22-4
		Tin (Sn)	0.151	0.075417%	7440-31-5
		Lead (Pb)	2.654	1.325542%	7439-92-1
<b>TOTAL</b>			<b>200.2</b>	<b>100.00%</b>	