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Materials Declaration

Company Name : Fox Electronics
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Completed by Bruce Clark

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*Added 6/11/08

Product Family : FD - 5x7mm Crystal Seam Seal Type

	Material Name	Component	Content (mg)	Content (w t %)	(CAS Number)
Cover	Kovar	Nickel (Ni)	6.15	5.92%	7440-02-0
		Cobalt (Co)	3.58	3.45%	7440-48-4
		Iron (Fe)	11.50	11.07%	7439-89-6
	Plating*	Nickel (Ni)	0.88	0.85%	7440-02-0
Base	Ceramic	Alumina (Al ₂ O ₃)	49.5	47.7%	1344-28-1
		Silicon Dioxide (SiO ₂)	1.81	1.74%	7631-86-9
		Chromium Oxide (Cr ₂ O ₃)	1.94	1.87%	1308-38-9
		Titanium Oxide (TiO ₂)	0.500	0.481%	13463-67-7
	Metallization	Tungsten (W)	7.75	7.46%	7440-33-7
	Nickel Plating	Nickel (Ni)	1.03	0.99%	7440-02-0
		Cobalt (Co)	0.34	0.33%	7440-48-4
	Gold Plating	Gold (Au)	0.270	0.260%	7440-57-5
	Seal ring	Iron (Fe)	7.26	6.99%	7439-89-6
		Nickel (Ni)	3.87	3.73%	7440-02-0
		Cobalt (Co)	2.54	2.45%	7440-48-4
	Silver solder	Silver (Ag)	1.70	1.64%	7440-22-4
		Copper (Cu)	0.300	0.289%	7440-50-8
	Crystal	Crystal	Quartz (SiO ₂)	2.91	2.80%
Electrode		Silver (Ag)	0.019	0.0183%	7440-22-4
		Nickel (Ni)	0.000159	0.000153%	7440-02-0
Adhesive		Silver (Ag)	0.00037	0.000356%	7440-22-4
		Silicon (Si)	0.000125	0.000120%	7440-21-3
TOTAL			103.8	100.00%	