

## pSEMI MATERIAL DECLARATION FORM

<b>Product:</b>	<b>PE42430</b>
<b>Ordering Codes:</b>	<b>PE42430MLAB-Z</b>
<b>Description:</b>	<b>UltraCMOS™ SP3T Reflective RF Switch 100 – 3000 MHz</b>
<b>Package:</b>	<b>8L 1.5X1.5 QFN</b>
<b>Environmental Compliance</b>	<b>EU RoHS Directive 2011/65/EC and amendment 2015/863, REACH - EU ECHA SVHC, Arsenic Free, JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free</b>
<b>Lead Finish</b>	<b>NiPdAu</b>
<b>Availability</b>	<b>Now</b>

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Sapphire (Al2O3)	1344-28-1	0.526051	12.37%	123,742.24
Die	Silicon (Si)	7440-21-3	0.000175	0.00%	41.07
Die	Arsenic (As)	7440-38-2	0.000001	0.00%	0.20
Die	Boron (B)	7440-42-8	0.000000	0.00%	0.06
Die	Phosphorous (P)	7723-14-0	0.000059	0.00%	13.82
Die	Titanium (Ti)	7440-32-6	0.000020	0.00%	4.73
Die	Tungsten (W)	7440-33-7	0.000002	0.00%	0.37
Die	Copper (Cu)	7440-50-8	0.000003	0.00%	0.63
Die	Aluminum (Al)	7429-90-5	0.000876	0.02%	206.01
Die	Cobalt (Co)	7440-48-4	0.000000	0.00%	0.00
Leadframe	Silicon(Si)	7440-21-3	0.013000	0.31%	3,057.97
Leadframe	Magnesium(Mg)	7439-95-4	0.003000	0.07%	705.69
Leadframe	Nickel(Ni)	7440-02-0	0.082000	1.93%	19,288.74
Leadframe	Gold(Au)	7440-57-5	0.001000	0.02%	235.23
Leadframe	Silver (Ag)	7440-22-4	0.000000	0.00%	0.00
Leadframe	Palladium(Pd)	7440-05-3	0.001000	0.02%	235.23
Leadframe	Copper (Cu)	7440-50-8	1.741000	40.95%	409,532.79
Die Attahced	Silver	7440-22-4	0.199000	4.68%	46,810.47
Die Attahced	Bismaleimide Monomer	Trade Secret	0.007000	0.16%	1,646.60
Die Attahced	Acrylate Monomer	Trade Secret	0.007000	0.16%	1,646.60
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Gold Wire	Gold(Au)	7440-57-5	0.060000	1.41%	14,113.71
Mold Compound	Epoxy Resin-1	Trade Secret	0.056000	1.32%	13,172.80
Mold Compound	Epoxy Resin-2	Trade Secret	0.032000	0.75%	7,527.31
Mold Compound	Phenol Resin	Trade Secret	0.056000	1.32%	13,172.80
Mold Compound	Fused Silica	60676-86-0	1.281000	30.13%	301,327.69
Mold Compound	Carbon Black	1333-86-4	0.003000	0.07%	705.69
Mold Compound	Metal Hydroxide	Trade Secret	0.088000	2.07%	20,700.11
Mold Compound	Others	Trade Secret	0.080000	1.88%	18,818.28
<b>Total Weight (mg)</b>			<b>4.251186</b>	<b>100.00%</b>	<b>1,000,000</b>