

## pSEMI MATERIAL DECLARATION FORM

<b>Product:</b>	PE42641
<b>Ordering Codes:</b>	PE42641MLBC-Z
<b>Description:</b>	SP4T UltraCMOS RF Switch DC - 100 MHz – 3.0 GHz
<b>Package:</b>	16L 3X3 QFN
<b>Environmental Compliance</b>	EU RoHS Directive 2002/95/EC, 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>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Sapphire (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	0.895339	4.60%	45,965.11
Die	Silicon (Si)	7440-21-3	0.000297	0.00%	15.26
Die	Arsenic (As)	7440-38-2	0.000001	0.00%	0.07
Die	Boron (B)	7440-42-8	0.000000	0.00%	0.02
Die	Phosphorous (P)	7723-14-0	0.000100	0.00%	5.13
Die	Titanium (Ti)	7440-32-6	0.000034	0.00%	1.76
Die	Tungsten (W)	7440-33-7	0.000003	0.00%	0.14
Die	Copper (Cu)	7440-50-8	0.000005	0.00%	0.24
Die	Aluminum (Al)	7429-90-5	0.001491	0.01%	76.52
Die	Cobalt (Co)	7440-48-4	0.000000	0.00%	0.00
LeadFrame	Copper (Cu)	7440-50-8	4.921000	25.26%	252,635.31
LeadFrame	Iron (Fe)	7439-89-6	0.118600	0.61%	6,088.71
LeadFrame	Zinc (Zn)	7440-66-6	0.006100	0.03%	313.16
LeadFrame	Phosphorus (P)	7723-14-0	0.001500	0.01%	77.01
LeadFrame	Silver (Ag)	7440-22-4	0.152200	0.78%	7,813.68
Die Attach	Silver (Ag)	7440-22-4	0.245400	1.26%	12,598.40
Die Attach	Epoxy Resin	9003-36-5	0.061300	0.31%	3,147.03
Die Attach	t-Butyl phenyl glycidyl ether	3101-60-8	0.025600	0.13%	1,314.26
Die Attach	Phenolic harder	92-88-6	0.005100	0.03%	261.82
Die Attach	Butyl cellosolve acetate	112-07-2	0.003400	0.02%	174.55
Gold Wire	Gold (Au)	7440-57-5	0.125500	0.64%	6,442.94
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.166300	0.85%	8,537.54
Mold Compound	Silica Fused	60676-86-0	11.691200	60.02%	600,205.24
Mold Compound	Epoxy Resin	Trade secret	0.510000	2.62%	26,182.49
Mold Compound	Phenol Resin	Trade secret	0.510000	2.62%	26,182.49
Mold Compound	Carbon Black	1333-86-4	0.038200	0.20%	1,961.12
<b>Total Weight (mg)</b>			<b>19.478670</b>	<b>100.00%</b>	<b>1,000,000</b>

