

## pSEMI MATERIAL DECLARATION FORM

<b>Product:</b>	<b>PE42446</b>
<b>Ordering Codes:</b>	<b>PE42446A-Z</b>
<b>Description:</b>	<b>SP4T RF Switch</b>
<b>Package:</b>	<b>24FCLGA 4x4</b>
<b>Environmental Compliance</b>	EU RoHS Directive 2011/65/EC and amendment 2015/863, <b>REACH</b> - EU ECHA SVHC, <b>Arsenic Free</b> , <b>JIG 101</b> - EIA/EICTA/JEITA, <b>Halogen Free</b> - IEC61249-2-21, <b>PFOS Free</b> - 2006/122/EC, <b>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	Silicon	7440-21-3	1.961865	6.84%	68,432.97
Die	Phosphorus	7723-14-0	0.000010	0.00%	0.34
Die	Boron	7440-42-8	0.000010	0.00%	0.34
Die	Arsenic	7440-38-2	0.000010	0.00%	0.34
Die	Germanium	7440-56-4	0.000010	0.00%	0.34
Die	Indium	7440-74-6	0.000010	0.00%	0.34
Die	Cobalt	7440-48-4	0.000010	0.00%	0.34
Die	Tungsten	7440-33-7	0.000369	0.00%	12.88
Die	Copper	7440-50-8	0.011196	0.04%	390.53
Die	Tantalum	7440-25-7	0.000531	0.00%	18.52
Die	Aluminum	7429-90-5	0.000205	0.00%	7.16
Polyimide	Proprietary polymer	Trade secret	0.012000	0.04%	418.58
Titanium UBM	Titanium	7440-32-6	0.000014	0.00%	0.50
Copper UBM	Copper	7440-50-8	0.000113	0.00%	3.94
Copper Plate	Copper	7440-50-8	0.012000	0.04%	418.58
Nickel Plate	Nickel	7440-02-0	0.000702	0.00%	24.49
Solder Cap (SnAg)	Tin	7440-31-5	0.003480	0.01%	121.39
Solder Cap (SnAg)	Silver	7440-22-4	0.003480	0.01%	121.39
Substrate	Copper	7440-50-8	2.431000	8.48%	84,797.14
Substrate	Nickel	7440-02-0	0.170000	0.59%	5,929.87
Substrate	Palladium	7440-05-3	0.011000	0.04%	383.70
Substrate	Gold	7440-57-5	0.018000	0.06%	627.87
Substrate	Continuous Filament Fiber Glass	65997-17-3	1.536000	5.36%	53,578.12
Substrate	Thermosetting Resin	Trade secret	1.664000	5.80%	58,042.96
Mold CMPD	Solid Epoxy Resin	Trade secret	1.249944	4.36%	43,600.04
Mold CMPD	Hardener	Trade secret	0.833296	2.91%	29,066.69
Mold CMPD	Carbon Black	1333-86-4	0.208324	0.73%	7,266.67
Mold CMPD	Metal Hydroxide	Trade secret	0.416648	1.45%	14,533.35
Mold CMPD	Amorphous silica	60676-86-0	18.124192	63.22%	632,200.60
<b>Total Weight (mg)</b>			<b>28.668419</b>	100.00%	1,000,000