

pSEMI MATERIAL DECLARATION FORM



Product:	PE42544
Ordering Codes:	PE42544A-Z
Description:	UltraCMOS® SP4T RF Switch
Package:	20-lead 3.0 × 3.0 mm QFN
Environmental Compliance	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
Lead Finish	NiPdAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Silicon	7440-21-3	1.559446	5.39%	53,924.12
Die	Phosphorus	7723-14-0	0.000008	0.00%	0.27
Die	Boron	7440-42-8	0.000008	0.00%	0.27
Die	Arsenic	7440-38-2	0.000008	0.00%	0.27
Die	Germanium	7440-56-4	0.000008	0.00%	0.27
Die	Indium	7440-74-6	0.000008	0.00%	0.27
Die	Cobalt	7440-48-4	0.000008	0.00%	0.27
Die	Tungsten	7440-33-7	0.000293	0.00%	10.15
Die	Copper	7440-50-8	0.008899	0.03%	307.73
Die	Tantalum	7440-25-7	0.000422	0.00%	14.60
Die	Aluminum	7429-90-5	0.000163	0.00%	5.64
Leadframe	Iron	7439-89-6	0.337460	1.17%	11,669.04
Leadframe	Phosphorus	7723-14-0	0.004308	0.01%	148.97
Leadframe	Zinc	7440-66-6	0.017232	0.06%	595.87
Leadframe	Copper	7440-50-8	14.001000	48.41%	484,140.83
Leadframe Plating	Nickel	7440-02-0	1.114628	3.85%	38,542.74
Leadframe Plating	Palladium	7440-05-3	0.042686	0.15%	1,476.04
Leadframe Plating	Gold	7440-57-5	0.023956	0.08%	828.39
Leadframe Plating	Silver	7440-22-4	0.018730	0.06%	647.65
Die Attach	Silicon dioxide	7631-86-9	0.019500	0.07%	674.29
Die Attach	Epoxy Resin	Proprietary	0.010500	0.04%	363.08
Bonding Wire	Gold (Au)	7440-57-5	0.316800	1.10%	10,954.63
Bonding Wire	Others	Proprietary	0.003200	0.01%	110.65
Molding Compound	Epoxy Resin A	Proprietary	0.343200	1.19%	11,867.52
Molding Compound	Epoxy Resin B	Proprietary	0.343200	1.19%	11,867.52
Molding Compound	Phenol Resin	Proprietary	0.686400	2.37%	23,735.04
Molding Compound	Silica Amorphous(A)	60676-86-0	8.751600	30.26%	302,621.73
Molding Compound	Silica Amorphous(B)	7631-86-9	0.800800	2.77%	27,690.88
Molding Compound	Metal Hydroxide	Proprietary	0.457600	1.58%	15,823.36
Molding Compound	Carbon Black	1333-86-4	0.057200	0.20%	1,977.92
Total Weight (mg)			28.919271	100.00%	1,000,000