



Device Material Content

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Package:
Total Device Weight
149.49
Milligrams

256 FOWLP

Package Code:
ASG256
Products:
LFCPNX-100

Assembly: ASEK
Size (mm): 9x9mm
Lead pitch (mm): 0.5
MSL: 3
Reflow max (°C): 260

April, 2025

	% of Total Pkg. Wt.	Weight (mg)	% of Total Pkg. Wt.	Weight (mg)	Substance	CAS #	% of Subst.	Notes / Assumptions:
Die	50.642%	75.702	50.64%	75.702	Silicon chip	7440-21-3	100.00%	
Mold Compound	24.968%	37.324	2.257% 18.811% 3.762% 0.138%	3.374 28.119 5.624 0.206	Proprietary Epoxy/Phenol Resins Silica(Amorphous) A Silica(Amorphous) B Carbon Black	- 60676-86-0 7631-86-9 1333-86-4	9.04% 75.34% 15.07% 0.55%	SUMIKON® EME-QXG01
Polyimide 1	0.449%	0.670	0.449%	0.670	Polyimide Resin	-	100.00%	Repassivation Polyimide LTC9320-E07
RDL 1	1.171%	1.751	1.157% 0.014%	1.730 0.021	Copper (Cu) Titanium (Ti)	7440-50-8 7440-32-6	98.82% 1.18%	
RDL 2	2.663%	3.980	2.649% 0.014%	3.960 0.021	Copper (Cu) Titanium (Ti)	7440-50-8 7440-32-6	99.48% 0.52%	
Polyimide 2	0.889%	1.329	0.889%	1.329	Polyimide Resin	-	100.00%	Repassivation Polyimide LTC9320-E07
Polyimide 3	0.889%	1.329	0.889%	1.329	Polyimide Resin	-	100.00%	Repassivation Polyimide LTC9320-E07
UBM	0.114%	0.171	0.014% 0.100%	0.021 0.150	Titanium (Ti) Copper (Cu)	7440-32-6 7440-50-8	12.14% 87.86%	
Bump	18.216%	27.230	16.394% 0.729% 0.146% 0.018% 0.929%	24.507 1.089 0.218 0.027 1.389	Tin Silver Copper Nickel Bismuth Germanium	7440-31-5 7440-22-4 7440-50-8 7440-02-0 7440-69-9	90.00% 4.00% 0.80% 0.10% 5.10%	SACQ
100.000%		149.486	100.000%	149.486				

Notes:

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Br/Cr/Sb

Pb

lead-free

RoHS

Rev. B