The Source
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IHS NORMALIZED FORMAT
Material Declaration Data Sheet

Added
Normalized

RoHS Compliant	YES
SVHC Presence	NO
PDSL Presence	NO

Document Code	ANDIE00118
Material Table Identifier	LQFP 7X7 48 (Pb FREE)

Sub Part	Sub Part Weight (mg)	Sub Part Details	Sub Part Substance	CAS Number	Sub Part Substance Weight (mg)	Sub Part Substance Concentration (ppm)
MOLD COMPOUND	61.848		EPOXY RESIN	NOT PROVIDED	4.94	79873
MOLD COMPOUND	61.848		SILICA,VITREOUS	60676-86-0	53.2	860173
MOLD COMPOUND	61.848		PHENOL RESIN	NOT PROVIDED	3.09	49961
MOLD COMPOUND	61.848		ANTIMONY OXIDE	1309-64-4	0.247	3994
MOLD COMPOUND	61.848		BROMINATED RESIN	NOT PROVIDED	0.247	3994
MOLD COMPOUND	61.848		CARBON BLACK	1333-86-4	0.124	2005
LEAD FRAME	51.2499		COPPER	7440-50-8	49.3	961953
LEAD FRAME	51.2499		NICKEL	7440-02-0	1.54	30049
LEAD FRAME	51.2499		SILICON	7440-21-3	0.333	6498
LEAD FRAME	51.2499		MAGNESIUM	7439-95-4	0.0769	1500
INTERNAL LEAD FRAME PLATING	0.8		SILVER	7440-22-4	0.8	1000000
EXTERNAL LEAD FRAME PLATING	2.5		TIN	7440-31-5	2.5	1000000
BOND WIRE	0.974		GOLD	7440-57-5	0.974	1000000

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Sub Part	Sub Part Weight (mg)	Sub Part Details	Sub Part Substance	CAS Number	Sub Part Substance Weight (mg)	Sub Part Substance Concentration (ppm)
CHIP	18.5		SILICON	7440-21-3	18.5	1000000
DIE ATTACH	1.837		RESIN	NOT PROVIDED	0.477	259662
DIE ATTACH	1.837		SILVER FILLER	NOT PROVIDED	1.36	740338

Total Weight (mg)	137.7089