



Apex Microtechnology

Materials Substance Report

Model: PA443DF

Print Time: 6/11/2014 10:53:17 AM

RoHS Compliant: Yes

Lead Free: No

Die Substances	Total Weight (g)
Die #1: Silicon	0.007656
Die#2: Silicon	0.007656
Lead Frame Substances	Total Weight (g)
Copper	0.250171
Iron	0.00603
Phosphorus	0.000077
Zinc	0.000308
Silver	0.002311
Mold Substances	Total Weight (g)
Multi-aromatic Resin	0.02613
Silicon Dioxide Filler	0.199948
Carbon Black	0.001136
External Heat Sink Plating Substances	Total Weight (g)
Tin	0.00507
Lead	0.000895
External Plating Substances	Total Weight (g)
Tin	0.004511
Solder Substances	Total Weight (g)
Die 1:	
Lead	0.005251
Tin	0.000284
Silver	0.000142



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Lead Free: No

Solder Substances Cont.

Total Weight (g)

Die 2:

Lead	0.005251
Tin	0.000284
Silver	0.000142

Wire Substances

Total Weight (g)

Au	0.000837
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Substances Present in This Model

Substance

Total Weight (g)

Carbon Black	0.001136
Copper	0.250171
Gold	0.000837
Iron	0.00603
Lead	0.011397
Multi-aromatic Resin	0.02613
Phosphorus	0.000077
Silicon	0.015312
Silicon Dioxide Filler	0.199948
Silver	0.002595
Tin	0.010149
Zinc	0.000308

Sum of all Substances (g)

0.52409