



# Apex Microtechnology

## Materials Substance Report

Model: PA343DF

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

RoHS Compliant: Yes

Lead Free: No

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



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### 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)**

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

**Sum of all Substances (g)**

**0.52409**