



Apex Microtechnology Materials Substance Report

Model: PA341DW

Print Time: 9/19/2013 9:18:17 AM

RoHS Compliant: Yes

Lead Free: No

| | |
|----------------------------------|-------------------------|
| Bonding Island Substances | Total Weight (g) |
| NONE | N/A |
| Capacitor Substances | Total Weight (g) |
| NONE | N/A |
| Die Substances | Total Weight (g) |
| Aluminum | 5.35E-8 |
| Nickel | 3.53E-8 |
| Silicon | 7.85E-3 |
| Silver | 1.19E-4 |
| Tin | 2.85E-3 |
| Titanium | 9.00E-9 |
| Encapsulant Substances | Total Weight (g) |
| NONE | N/A |
| Frame Substances | Total Weight (g) |
| NONE | N/A |
| Header Substances | Total Weight (g) |
| NONE | N/A |
| Lead Frame Substances | Total Weight (g) |
| NONE | N/A |
| Lid Substances | Total Weight (g) |
| Alumina | 4.31E-1 |
| Glass | 5.87E-2 |
| Pin Substances | Total Weight (g) |
| Copper | 1.37E-2 |
| Nickel | 2.17E-4 |
| Phosphorous | 2.89E-5 |
| Tin | 1.36E-3 |



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Silicone Substances

NONE

Total Weight (g)

N/A

Solder Substances

Glass

Silver

Total Weight (g)

2.40E-3

9.60E-3

Substrate Substances

Alumina

Total Weight (g)

7.62E-1

Thickfilm Substances

Cadmium Oxide

Glass

Gold

Lead Oxide

Silver

Total Weight (g)

1.07E-4

1.55E-2

3.35E-3

8.62E-5

2.82E-2

Wire Substances

Aluminum

Total Weight (g)

2.44E-5

Substances Present in This Model

Substance

Alumina

Aluminum

Cadmium Oxide

Copper

Glass

Gold

Lead Oxide

Nickel

Phosphorous

Silicon

Silver

Tin

Titanium

Total Weight (g)

1.19E+0

2.45E-5

1.07E-4

1.37E-2

7.66E-2

3.35E-3

8.62E-5

2.17E-4

2.89E-5

7.85E-3

3.79E-2

4.21E-3

9.00E-9

Sum of All Substances Present in This Model (g) 1.34E+0