



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	Total Weight (g)
Alumina	1.19E+0
Aluminum	2.45E-5
Cadmium Oxide	1.07E-4
Copper	1.37E-2
Glass	7.66E-2
Gold	3.35E-3
Lead Oxide	8.62E-5
Nickel	2.17E-4
Phosphorous	2.89E-5
Silicon	7.85E-3
Silver	3.79E-2
Tin	4.21E-3
Titanium	9.00E-9

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