



# Apex Microtechnology

## Materials Substance Report

**Model:** PA341CE

**Print Time:** 9/19/2013 9:17:32 AM

**RoHS Compliant:** Yes

**Lead Free:** Yes

<b>Bonding Island Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Capacitor Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Die Substances</b>	<b>Total Weight (g)</b>
Aluminum	5.35E-8
Nickel	3.53E-8
Silicon	7.85E-3
Silver	1.19E-4
Tin	2.85E-3
Titanium	9.00E-9
<b>Encapsulant Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Frame Substances</b>	<b>Total Weight (g)</b>
NONE	N/A
<b>Header Substances</b>	<b>Total Weight (g)</b>
Aluminum	8.65E-4
Barium Oxide	1.26E-1
Carbon	1.10E-2
Chromium	8.65E-4
Cobalt	8.65E-4
Iron	1.09E+1
Manganese	4.85E-2
Nickel	4.38E-1
Phosphorous	4.46E-3
Silica	1.34E-1
Silicon	2.60E-3
Sulfur	5.28E-3
<b>Lead Frame Substances</b>	<b>Total Weight (g)</b>
NONE	N/A



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**Lid Substances**

Nickel

**Total Weight (g)**

1.86E+0

**Pin Substances**

NONE

**Total Weight (g)**

N/A

**Silicone Substances**

NONE

**Total Weight (g)**

N/A

**Solder Substances**

NONE

**Total Weight (g)**

N/A

**Substrate Substances**

NONE

**Total Weight (g)**

N/A

**Thickfilm Substances**

NONE

**Total Weight (g)**

N/A

**Wire Substances**

Aluminum

**Total Weight (g)**

2.17E-5



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## Substances Present in This Model

Substance	Total Weight (g)
Aluminum	8.87E-4
Barium Oxide	1.26E-1
Carbon	1.10E-2
Chromium	8.65E-4
Cobalt	8.65E-4
Iron	1.09E+1
Manganese	4.85E-2
Nickel	2.30E+0
Phosphorous	4.46E-3
Silica	1.34E-1
Silicon	1.04E-2
Silver	1.19E-4
Sulfur	5.28E-3
Tin	2.85E-3
Titanium	9.00E-9

**Sum of All Substances Present in This Model (g)** 1.35E+1