



# Apex Microtechnology

## Materials Substance Report

Model: SA53HU

Print Time: 6/11/2014 9:26:17 AM

RoHS Compliant: Yes

Lead Free: No

<b>Die Substances</b>	<b>Total Weight (g)</b>
Silicon	0.03481
<b>Lead Frame Substances</b>	
<b>Total Weight (g)</b>	
Copper	0.141847
Iron	0.003419
Phosphorus	0.000044
Zinc	0.000175
Nickel	0.003954
Palladium	0.000084
Gold	0.000016
<b>Mold Substances</b>	
<b>Total Weight (g)</b>	
Multi-aromatic Resin	0.079192
Silicon Dioxide Filler	0.60599
Carbon Black	0.003443
<b>External Heat Slug/Sink Substances</b>	
<b>Total Weight (g)</b>	
Copper	0.9592
<b>External Heat Sink Plating Substances</b>	
<b>Total Weight (g)</b>	
Tin	0.006191
Lead	0.001093
<b>External Plating Substances</b>	
<b>Total Weight (g)</b>	
Nickel	0.000521
Palladium	0.000031
Gold	0.000038



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**Lead Free:** No

<b>Solder Substances</b>	<b>Total Weight (g)</b>
Lead	0.012905
Tin	0.000698
Silver	0.000349
<b>Wire Substances</b>	<b>Total Weight (g)</b>
Copper	0.000572
Palladium	0.000012

### Substances Present in This Model

<b>Substance</b>	<b>Total Weight (g)</b>
Carbon Black	0.003443
Copper	1.101619
Gold	0.000054
Iron	0.003419
Lead	0.013998
Multi-aromatic Resin	0.079192
Nickel	0.004475
Palladium	0.000127
Phosphorus	0.000044
Silicon	0.03481
Silicon Dioxide Filler	0.60599
Silver	0.000349
Tin	0.006889
Zinc	0.000175
<b>Sum of all Substances (g)</b>	<b>1.854584</b>