



# 100% Material Declaration Data Sheet TQ100

PK168 (v1.2) September 29, 2006

Material Declaration Data Sheet

**Average Weight: 0.7 g**

Component	Substance Description	CAS# or Description	% of Component	Use in Product	Component Weight/ Substance Weight (in grams)	Component % of Total
<b>Silicon Die</b>					<b>0.03787</b>	<b>5.41%</b>
	Silicon	7440-21-3	100.00		0.003787	
<b>Die Attach</b>					<b>0.00504</b>	<b>0.72 %</b>
	Silver	7440-22-4	78.00		0.0039312	
	Epoxy (EP)	Trade Secret	22.00		0.0011088	
<b>Mold Compound</b>					<b>0.46396</b>	<b>66.28 %</b>
	Epoxy Resin (EP)	Trade Secret	9.00		0.0417564	
	Phenolic Resin	Trade Secret	7.00	Resin	0.0324772	
	Carbon Black	1333-86-4	0.50		0.0023198	
	Silica	60676-86-0	82.50		0.382767	
	Bismuth	7440-69-9	Max. 1.00%		0.0046396	
<b>Leadframe</b>					<b>0.17885</b>	<b>25.55 %</b>
	Copper	7440-50-8	98.85		0.176793225	
	Chromium	7440-47-3	0.30		0.00053655	
	Tin	7440-31-5	0.25		0.000447125	
	Zinc	7440-66-6	0.60		0.0010731	
<b>Leadframe Plating</b>					<b>0.00455</b>	<b>0.65%</b>
	Silver	7440-22-4	100.00		0.00455	
<b>Bond Wire</b>					<b>0.00357</b>	<b>0.51 %</b>
	Gold	7440-57-5	100.00		0.00357	
<b>External Plating</b>					<b>0.00616</b>	<b>0.88 %</b>
	Tin	7440-31-5	85.00		0.005236	
	Lead	7439-92-1	15.00		0.000924	

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## Revision History

The following table shows the revision history for this document.

Date	Revision	Revision
3/16/06	1.0	Initial release.
7/05/06	1.1	100% Material Declaration.
9/29/06	1.2	Updated component descriptions.