

**Manufacturer Information**

Company:	Azoteq(Pty) Ltd 109 Main Road Paarl Western Cape Republic of South Africa
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**Authorised Representative**

Name:	Anton Walles
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**Product Information**

Product:	IQS212 DNR
Package type:	QFN8(2*3)-B
Manufacturing site:	Anst
Weight:	13.69
Unit:	mg

**Manufacturing Process Information**

Terminal Plating:	Refer to table below
J-STD MSL Rating:	2
Peak Process Body Temp:	260 °C
Max Time at Peak Temp:	25 sec
Number of Reflow:	3

Note: 'z' in the product description refers to a user configuration option

**RoHS Material Composition Declaration**

Azoteq hereby declares full compliance for the product listed above with the requirements of European Directive 2011/65/EU Article 7 and that this declaration is made in compliance with Article 13 of the Directive.

This declaration of conformity is issued under the sole responsibility of the manufacturer

**Note:** RoHS Directive 2011/65/EU of the European Parliament quantity limit of 0.1% by mass(1000 PPM) in homogeneous material for Lead(PB), Mercury, Hexavalent Chromium, Polybrominated Biphenyl(PBB), Polybrominated Diphenyl Ethers(PBDE) and quantity limit of 0.01% by mass(100 PPM) of homogeneous material of Cadmium applies to this declaration.

The full materials composition information follows:

RoHS Material Composition Declaration



Homogenous material composition for part: IQS212 DNR based on package: QFN8(2*3)-B with Die: AZQ203																
Composition Part	Material name	Material (weight)	Material % (weight)	Element name composition	CAS No.	Element % (weight )	Element (weight)	Cd (ppm)	Pb (ppm)	Hg(ppm)	Cr+6(ppm)	PBBs	PBDEs	Cl	Br	EU ROHS Exempt
Die	AZQ203	1.04	7.57%	Si Die	7440-21-3	100.00%	1.04	ND	ND	ND	ND	ND	ND	-	-	-
Epoxy	QMI169	0.22	1.61%	Butadiene-maieic anhydrate copolymer	25655-35-0	2.50%	0.01	ND	6	ND	ND	ND	ND	ND	ND	-
				Methacrylate	68-586-19-6	2.50%	0.01									
				Ag	7440-22-4	95.00%	0.21									
Leadframe	TSOT23-6	4.90	35.79%	Fe	7439-89-6	2.25%	0.11	ND	5	ND	Negative	ND	ND	ND	ND	-
				Ag	7440-22-4	1.00%	0.05									
				Cu	7440-50-8	96.48%	4.73									
				Zn	7440-66-6	0.15%	0.01									
				P	7723-14-0	0.12%	0.01									
Mold Compound	G770HCD	7.19	52.52%	Carbon Black	1333-86-4	0.50%	0.04	ND	ND	ND	ND	ND	ND	ND	ND	-
				Sillica (amorphous)A	60676-86-0	79.50%	5.72									
				Sillica (amorphous)B	7631-86-9	15.00%	1.08									
				Epoxy Resin	Trade secret A	2.50%	0.18									
				Phenol Resin	Trade secret B	2.50%	0.18									

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Plating	Pure tin	0.21	1.53%	Sn	7440-31-5	99.99%	0.21	ND	17	ND	Negative	ND	ND	ND	ND	-
				Other	N/A	0.01%	0.00									
Wire	Gold	0.13	0.98%	Au	7440-57-5	99.99%	0.13	ND	ND	ND	Negative	ND	ND	ND	ND	-
				Other	N/A	0.01%	0.00									

Note: Where the product is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

**Signed:** Anton Walles:  
**Position:** Senior Logistics Engineer

**Date:** 2012/10/31



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