

520 PARK EAST BLVD  
NEW ALBANY IN 47150-7251  
UNITED STATES  
Tel.: 8007268329 Fax: 8129485047  
Toll Free: 1-800-SAMTEC-9 (USA & Canada)  
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## Part Composition Analysis: SQT-122-01-F-D-RA

**Mass: 2.23751g**

### Body Material

<b>Material:</b>	Vectra E-130i
<b>Mass:</b>	1.20930g
<b>% of Total:</b>	54.05%
<b>PPM:</b>	540466
<b>MSDS Identification:</b>	Liquid Crystal Polymer

**Note:** This information is proprietary to Ticona Division of Celanese Chemical.

### Pin Material

<b>Material:</b>	Phosphor Bronze
<b>Mass:</b>	0.99924g
<b>% of Total:</b>	44.66%
<b>PPM:</b>	446585
<b>CAS Number:</b>	
<b>MSDS Identification:</b>	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Copper	0.94728g	94.80	423363	7440-50-8
Phosphorous	0.00200g	0.20	894	7723-14-0
Tin	0.04996g	5.00	22328	7440-31-5

### Plating Material

<b>Material:</b>	Nickel Underplating
<b>Mass:</b>	0.00999g
<b>% of Total:</b>	0.45%
<b>PPM:</b>	4465
<b>CAS Number:</b>	7440-02-0
<b>MSDS Identification:</b>	Elemental Nickel

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Nickel	0.00999g	100	4465	7440-02-0

<b>Material:</b>	Gold Contact / Tin Tail (05/95)
<b>Mass:</b>	0.01899g
<b>% of Total:</b>	0.85%
<b>PPM:</b>	8487
<b>CAS Number:</b>	
<b>MSDS Identification:</b>	

<b>Constituents of Material</b>				
<b>Material</b>	<b>Mass</b>	<b>% of Mat.</b>	<b>PPM</b>	<b>CAS</b>
Gold	0.00095g	5.00	425	7440-57-5
Tin	0.01804g	95.00	8063	7440-31-5

## Compliance List

- ELV-Vehicle Directive (Directive 2000/53/EC)
- European Union Directive (2003/11/EC) (Product Only)
- Halogen Free per IEC-61249-2.21 : 2003
- RoHS Directive 2011/65/EU (Compliance revised June 2011)
- WEEE Directive (2012/19/EU) (Product only) Revised August 2012

This material declaration is an average of significant component weights of the product or product series listed above. The information provided is based upon technical data believed to be reliable and is subject to change as additional data is gained. It is important to note that the substance composition of Samtec products is part specific. A valid Samtec part number is required in order to obtain a product material declaration.