

520 PARK EAST BLVD
NEW ALBANY IN 47150-7251
UNITED STATES
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Website: www.samtec.com

Part Composition Analysis: QTE-040-02-L-D-A

Mass: 3.24544g

Body Material

Material:	Vectra E-130i
Mass:	0.7600g
% of Total:	23.42%
PPM:	234175
MSDS Identification:	Liquid Crystal Polymer

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

Pin Material

Material:	Phosphor Bronze
Mass:	0.88039g
% of Total:	27.13%
PPM:	271270
CAS Number:	
MSDS Identification:	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Copper	0.83461g	94.80	257164	7440-50-8
Phosphorous	0.00176g	0.20	542	7723-14-0
Tin	0.04402g	5.00	13564	7440-31-5

Plating Material

Material:	Nickel Underplating
Mass:	0.02201g
% of Total:	0.68%
PPM:	6782
CAS Number:	7440-02-0
MSDS Identification:	Elemental Nickel

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Nickel	0.02201g	100	6782	7440-02-0

Material:	Gold Contact / Tin Tail (15/85)
Mass:	0.00704g
% of Total:	0.22%
PPM:	2169
CAS Number:	
MSDS Identification:	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Gold	0.00106g	15.06	327	7440-57-5
Tin	0.00599g	85.09	1846	7440-31-5

Part Option Material

Option:	Additional Body (Vectra E-130i - Pin Adder)
Material:	Vectra E-130i
Mass:	0.880g
% of Total:	27.11%
PPM:	271150
CAS Number:	147310-94-9
MSDS Identification:	Aromatic Liquid Crystal Polymer

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Liquid Crystal Polymer	0.60720g	69.00	187093	
Glass Fibers	0.2640g	30.0	81345	65997-17-3
Carbon Black	0.00880g	1.00	2711	1333-86-4

Option:	Ground Plane
Material:	Phosphor Bronze
Mass:	0.6960g
% of Total:	21.45%
PPM:	214455
CAS Number:	
MSDS Identification:	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Copper	0.65981g	94.80	203304	7440-50-8
Phosphorous	0.00139g	0.20	428	7723-14-0
Tin	0.03480g	5.0	10723	7440-31-5

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

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.