



SAMTEC USA

520 PARK EAST BLVD
NEW ALBANY IN 47150-7251
UNITED STATES
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Part Composition Analysis: TLE-117-01-G-DV-K-TR

Mass: 0.98805g

Body Material

Material: Vectra E-130i
Mass: 0.74800g
% of Total: 75.70%
PPM: 757047
MSDS Identification: Liquid Crystal Polymer

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

Pin Material

Material: Phosphor Bronze
Mass: 0.22440g
% of Total: 22.71%
PPM: 227114
CAS Number:
MSDS Identification:

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Copper	0.21273g	94.80	215303	7440-50-8
Phosphorous	0.00045g	0.20	455	7723-14-0
Tin	0.01122g	5.00	11356	7440-31-5

Plating Material

Material: Nickel Underplating
Mass: 0.00898g
% of Total: 0.91%
PPM: 9089
CAS Number: 7440-02-0
MSDS Identification: Elemental Nickel

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Nickel	0.00898g	100.00	9089	7440-02-0

Material: Gold
Mass: 0.00007g
% of Total: 0.01%
PPM: 71
CAS Number: 7440-57-5
MSDS Identification:

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Gold	0.00007g	100.00	71	7440-57-5

Part Option Material

Option: Pick / Place Pad (Kapton)
Material: Kapton
Mass: 0.00660g
% of Total: 0.67%
PPM: 6680
CAS Number: 60842-76-4
MSDS Identification: Polyimide Film

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Polyimide	0.00660g	100.00	6680	60842-76-4

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.