



SAMTEC USA

520 PARK EAST BLVD
 NEW ALBANY IN 47150-7251
 UNITED STATES
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Part Composition Analysis: TCMD-20-01

Mass: 1.45821g

Body Material

Material: Zenite 5145L
Mass: 0.75200g
% of Total: 51.57%
PPM: 515701
MSDS Identification: Aromatic Thermoplastic Polyester

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

Pin Material

Material: Phosphor Bronze
Mass: 0.69236g
% of Total: 47.48%
PPM: 474801
CAS Number:
MSDS Identification:

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Copper	0.65636g	94.80	450113	7440-50-8
Phosphorous	0.00138g	0.20	946	7723-14-0
Tin	0.03462g	5.00	23741	7440-31-5

Plating Material

Material: Nickel Underplating
Mass: 0.00900g
% of Total: 0.62%
PPM: 6172
CAS Number: 7440-02-0
MSDS Identification: Elemental Nickel

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Nickel	0.00900g	100.00	6172	7440-02-0

Material: Gold
Mass: 0.00485g
% of Total: 0.33%
PPM: 3326
CAS Number: 7440-57-5
MSDS Identification:

Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Gold	0.00485g	100.00	3326	7440-57-5

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.