



## SAMTEC USA

520 PARK EAST BLVD  
 NEW ALBANY IN 47150-7251  
 UNITED STATES  
 Tel.: 8007268329 Fax: 8129485047  
 Toll Free: 1-800-SAMTEC-9 (USA & Canada)  
 Internet: www.samtec.com

### Part Composition Analysis: SFMC-103-01-S-D

Mass: 0.09976g

#### Body Material

**Material:** Vectra E-130i  
**Mass:** 0.04560g  
**% of Total:** 45.71%  
**PPM:** 457097  
**MSDS Identification:** Liquid Crystal Polymer

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

#### Pin Material

**Material:** Phosphor Bronze  
**Mass:** 0.05158g  
**% of Total:** 51.70%  
**PPM:** 517041  
**CAS Number:**  
**MSDS Identification:**

#### Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Copper	0.04890g	94.80	490176	7440-50-8
Phosphorous	0.00010g	0.20	1002	7723-14-0
Tin	0.00258g	5.00	25862	7440-31-5

#### Plating Material

**Material:** Nickel Underplating  
**Mass:** 0.00155g  
**% of Total:** 1.55%  
**PPM:** 15537  
**CAS Number:** 7440-02-0  
**MSDS Identification:** Elemental Nickel

#### Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Nickel	0.00155g	100.00	15537	7440-02-0

**Material:** Gold Contact / Tin Tail (40/60)  
**Mass:** 0.00103g  
**% of Total:** 1.03%  
**PPM:** 10325  
**CAS Number:**  
**MSDS Identification:**

#### Constituents of Material

Material	Mass	% of Mat.	PPM	CAS
Gold	0.00063g	61.54	6315	7440-57-5
Tin	0.00040g	38.46	4010	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.