

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: SEAM-50-02.0-S-10-2-A-K-TR

**Mass: 6.07460g**

### Body Material

<b>Material:</b>	Zenite 6130LX
<b>Mass:</b>	2.94245g
<b>% of Total:</b>	48.44%
<b>PPM:</b>	484386
<b>MSDS Identification:</b>	Aromatic Thermoplastic Polyester

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

### Pin Material

<b>Material:</b>	Beryllium Copper 390 HT
<b>Mass:</b>	2.01600g
<b>% of Total:</b>	33.19%
<b>PPM:</b>	331874
<b>CAS Number:</b>	
<b>MSDS Identification:</b>	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Beryllium	0.00706g	0.35	1162	7440-41-7
Nickel	0.02419g	1.20	3982	7440-02-0
Copper	1.98475g	98.45	326729	7440-50-8

### Plating Material

<b>Material:</b>	Nickel
<b>Mass:</b>	0.07056g
<b>% of Total:</b>	1.16%
<b>PPM:</b>	11616
<b>CAS Number:</b>	7440-02-0
<b>MSDS Identification:</b>	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Nickel	0.07056g	100	11616	7440-02-0

<b>Material:</b>	Gold Contact / Tin Tail (40/60)
<b>Mass:</b>	0.03629g
<b>% of Total:</b>	0.60%
<b>PPM:</b>	5974
<b>CAS Number:</b>	
<b>MSDS Identification:</b>	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Gold	0.02233g	61.53	3676	7440-57-5
Tin	0.01396g	38.47	2298	7440-31-5

## Part Option Material

<b>Option:</b>	Pick / Place Pad (Kapton)
<b>Material:</b>	Kapton
<b>Mass:</b>	0.0093g
<b>% of Total:</b>	0.15%
<b>PPM:</b>	1531
<b>CAS Number:</b>	60842-76-4
<b>MSDS Identification:</b>	Polyimide Film

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Polyimide	0.0093g	100	1531	60842-76-4

<b>Option:</b>	Solder (lead-free-B)
<b>Material:</b>	Solder (lead-free-B)
<b>Mass:</b>	1.000g
<b>% of Total:</b>	16.46%
<b>PPM:</b>	164620
<b>CAS Number:</b>	
<b>MSDS Identification:</b>	

Constituents of Material				
Material	Mass	% of Mat.	PPM	CAS
Tin	0.95500g	95.50	157212	7440-31-5
Copper	0.00700g	0.70	1152	7440-50-8
Silver	0.03800g	3.80	6256	7440-22-4

## 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.