

# Technical Bulletin

## TSC Comsol Solder Alloy

### DESCRIPTION

TSC Comsol Solder is a Lead based alloy containing both silver and tin. This solder alloy is ideal for soldering to or for joining commonly used metals Copper, Brass and Tin.

### FEATURES & BENEFITS

- Designed for high temperature solder dipping.
- Solders up to up to 450°C
- Increases Production Speed: which means lower product costs
- Minimises dressing: lowers downtime for maintenance and reduced solder consumption and costs.
- Reduces bridging: lower amount of rework to higher yield, lowers cost and reduces chances of defects getting to consumer.

### APPLICATION

TSC Comsol Solder Alloy has many areas of use such as in equipment where the working temperature is too high to allow the use of standard Sn/Pb and Sn/Ag alloys to be employed. Typical applications would be for transformer bobbins or for securing components which are required to be unaffected by a subsequent reflow or wave soldering operation.

### TECHNICAL SPECIFICATIONS

	Specifications
<b>Melting Point (°C)</b>	294 - 305
<b>Composition (%)</b>	Sn5 Pb94 Ag1

TSC Comsol as a proprietary brand material is not designed to conform to any particular specification. However, all elements other than the tin, lead and silver from which it is composed, are within limits imposed by specifications for alloys of this type.

### HANDLING & STORAGE

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult TSC Comsol MSDS for additional handling procedures and precautions.

### HEALTH & SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of the materials designated.

[solderconnection.com](http://solderconnection.com)

Unit 5 | Severn Link Distribution Centre  
Chepstow | Monmouthshire | NP16 6UN

Revision No: 1  
Revision Date: 19/01/21

sales@solderconnection.co.uk  
Office: 01291 624 400