

SPECIFICATIONS

SMT519

The SMT519 is a couple of S-Video/SMB cable for the SMT319

SUNDANCE MULTIPROCESSOR TECHNOLOGY LTD.

Revision Record			
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Specifications for SMT519 cables

We assume that you have already read the [SMT319 user guide](#).

SUNDANCE Custom cables

The SMT519 is a couple of S-Video/SMB cable for the SMT319 graphic-TIM:

- The input cable is built with a SMB connector and a S-Video plug



- The output cable is built with two SMB connectors and a S-Video plug



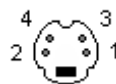
The SMT319 has one SMB input connector, and two SMB output connectors.

S-Video connector



The SMT519 cables have S-Video plugs.

The S-Video connector (Socket front view) is describe on the following scheme:



- 1: Y-ground
- 2: C-ground
- 3: Y (luminance + synchronization)
- 4: C (chrominance Cr/Cb)

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SMB connector



The SMB connector used are straight.

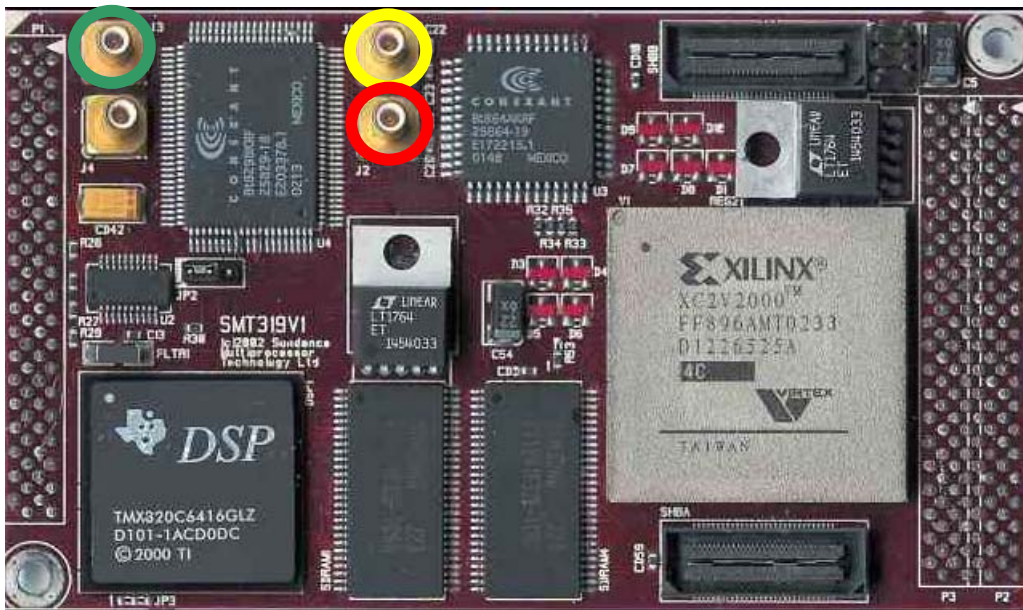
Cable



Cable coaxial has an impedance of 50 ohms.
You must specify the length of cable you need when ordering.

Connecting the cables to the TIM

On that picture, you can see how to connect the SMT519 Cable:



You should plug:

- The SMB connector, marked YC – J3, of the input cable on the connector circled in **GREEN**
- The SMB connector, marked Y – J1, of the output cable on the connector circled in **YELLOW** for the Y-component
- The SMB connector, marked C – J2, of the output cable on the connector circled in **RED** for the C-component

Then, you can plug the S-Video connectors on a video input and a video output.

More information can be found in the video chips datasheets (references of the video chips is given in the SMT319 user guide).

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