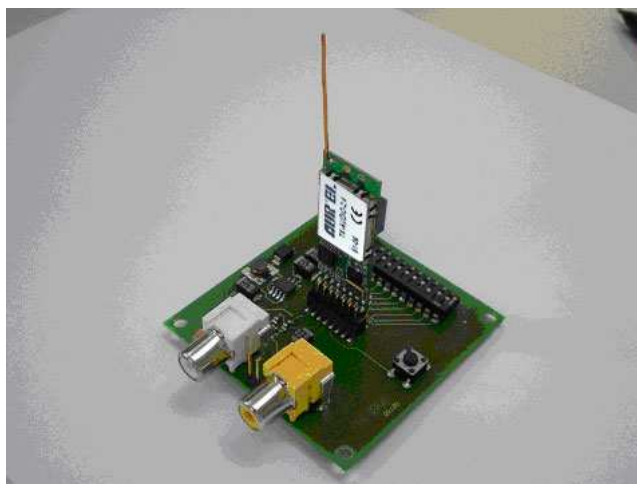


## **DEMO Board for TX AUDIO 2.4 (6502001062G)**

### **Technical Information and Usage Instructions**

#### **Specification**

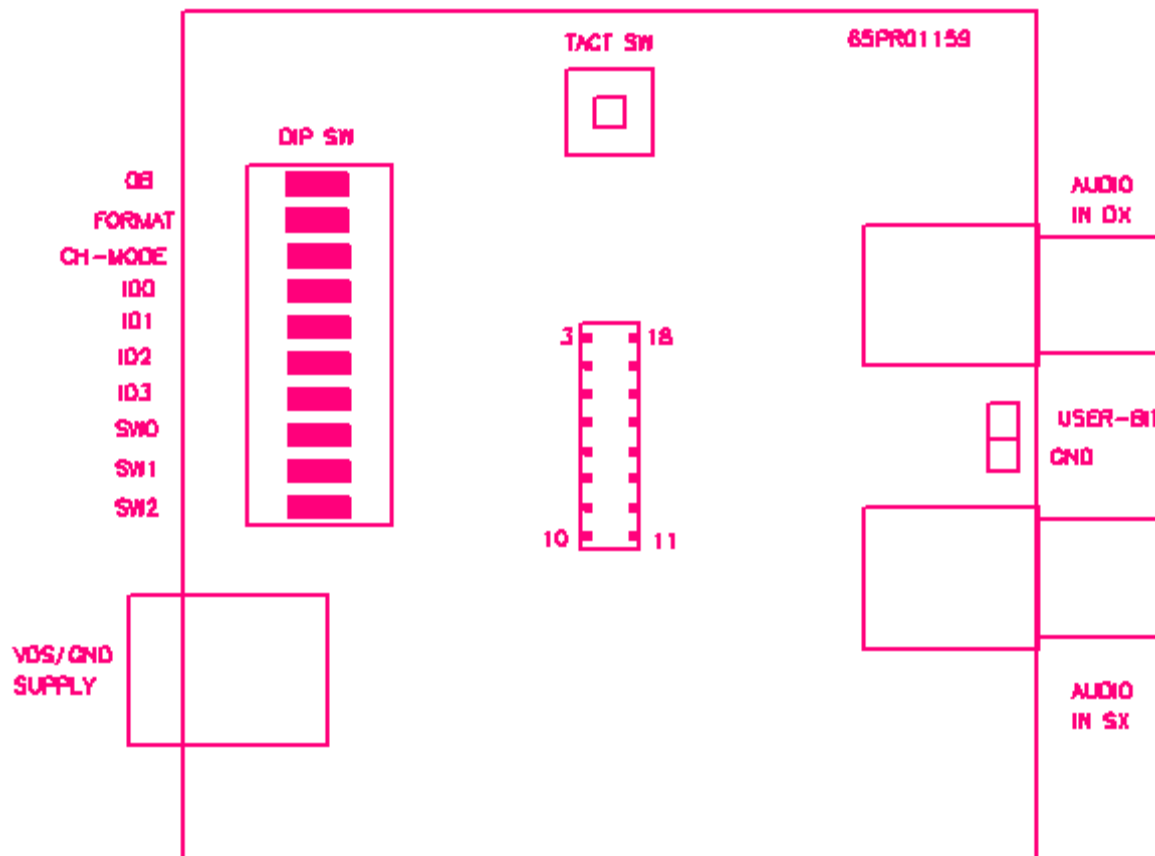
|                       |                                |
|-----------------------|--------------------------------|
| Model                 | Demo Board for TX-AUDIO-2.4/AE |
| Supply voltage        | 7 ÷ 12 Vdc                     |
| Current consumption   | 100 mA (typ)                   |
| Operating temperature | -10 ÷ +60 C                    |



**Board dimensions: 72 x 60 x 16 mm (no Mod. Inst.)**

Le caratteristiche tecniche possono subire variazioni senza preavviso. La AUREL S.p.A non si assume la responsabilità di danni causati dall'uso improprio del dispositivo.  
Technical features are subject to change without notice. AUREL S.p.A. does not assume responsibilities for any damages caused by the device's misuse.

## Board Lay-out:



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## Description of Board identified items:

| Name           | Description                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------|
| AUDIO IN_Dx    | Audio right channel input RCA plug.                                                                                          |
| AUDIO IN_Sx    | Audio left channel input RCA plug.                                                                                           |
| Vdc/GND Supply | Supply Voltage plug – 7 to 12 Volts DC – Positive central contact                                                            |
| TACT_SW        | Push button to change channel, connected to TACT_SW module pin                                                               |
| USER_BIT       | Pin to inject user serialized data (max 5Kbps), connected to USER_BIT module line                                            |
| DIP SW         | 10 position dip switch bank – Each switch connected to same name module line -<br>When closed, related line is forced to GND |

**See 650201062G TX-AUDIO-2.4/AE Data Sheet and User manual for more information.**

## Usage instructions

The Demo Board accepts AUREL TX AUDIO 2.4/AE (650201062G) module.

Module should be inserted taking care of orientation: module label should be facing the white/yellow Audio RCA connectors.

Proper voltage (7 to 12 Vdc) should be applied at Vdc/GND plug (Positive at internal contact, negative to external contact).

Connect a stereo audio source to AUDIO IN\_Dx and AUDIO IN\_Sx DIN connectors (Source at 10 Kohm, 2Vpp max).

Act on TACT\_SW and on DIP SW sections according to channel selection, identification, scrambling needs.

At USER\_BIT pin, serialized data stream (max. 5Kbps) can be delivered for transmission to corresponding USER\_BIT pin at Receiver(s), with no interference on digitalized audio.

Data examples:

- a) remote control encoded command,
- b) title of musical composition being transmitted, etc...

See TX AUDIO 2.4/AE 650201062G Datasheet and User Manual for further information.