

## Tech Data

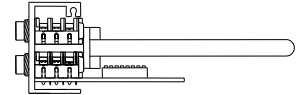
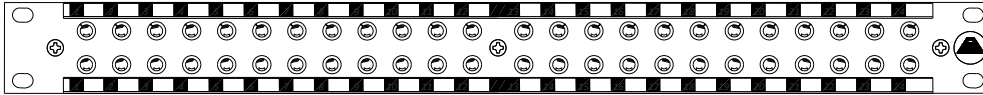
REF.:PT3986

## PATCH PANELS

JACK 6.3

JACK 1/4" DIP 2X24

Soldering connection



## Description

- Front panel consists of 2 rows up to 24 JACK connectors in 1RU.
- Rear connection by welding.
- Normal, Half-Normal and Tie Lines normalization by DIP.
- This panel allows a clean and enduring installation.
- This Jack connector is closed so is resistant to dust, to corrosion and to contamination.

## Applications

Audio Panel with JACK 1/4" connectors.

## Physical Characteristics

	Jack Connector		DIP	Circuit
	<b>Material</b>	<b>Plated</b>	<b>Base:</b>	<b>Film:</b>
<b>Contact</b>	C5191R-H	Níckel/Silver	Engineering Plastics.	Electra SP-100. Chemplate Revealed.
<b>Housing</b>	PA66-G15	-	<b>Cover:</b>	<b>Solder Mask:</b>
<b>Cover</b>	PA66-G15	-	Engineering Plastics.	Electra Photosensitive.
<b>Tip</b>	C5191R-H	Níckel/Silver	<b>Button:</b>	<b>Serigraphy:</b>
<b>Shunt</b>	C2680R-H	Níckel/Silver	Engineering Plastics.	Sun Chemical Photosensitive.
<b>Spring</b>			<b>Terminal:</b>	<b>Finish:</b>
			Aloy Copper, Gold plating.	Lead free H.A.L
				<b>FR4 ISOLA:</b>
				- Thick: 1.66 mm (Double size)
				- Material: Copper 18 μ
				- Tolerance: ±0.10 mm

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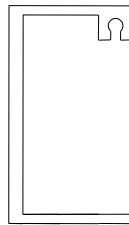
Soldering connection

### Panel

#### Panel frame:

- Extruded Aluminium.
- 6063 Alloy.
- Treatment T5.
- Painted Finished:
  - Powder Electrostatic Covering 100-150  $\mu$
  - Colour: Textured Matte Black

#### Profile View:



#### Label Profile:

- Extruded Aluminium.
- 6063 Alloy.
- Treatment T5.
- Painted Finished:
  - Powder Electrostatic Covering 100-150  $\mu$
  - Colour: Textured Matte Black

#### Label:

- Polypropylene 100  $\mu$ .
- Colour: White.

#### Tie Cable Bar:

- F1 calibration and Steel 8 mm bar.
- Painted Finished:
  - Powder Electrostatic Covering 100-150  $\mu$
  - Colour: Textured Matte Black

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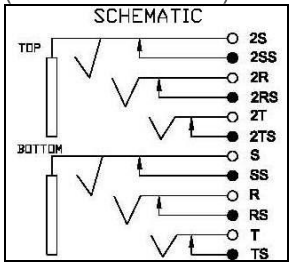
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## Electrical Characteristics

Jack Connector		DIP
Rated Voltage:	12 V DC	Electrical Life: 200 operations cycles per switch.
Rated Current:	20 mA~0.3 A	Non- Switching Rating: 100 mA, 50 V <sub>DC</sub>
Insulation Resistance: (A Voltage of 500 V DC shall be applied to the terminals, After which measurement shall be made)	100 MΩ	Switching Rating: 25 mA, 24 V <sub>DC</sub>
Contact Resistance: (1KHz a 100 mA or I <sub>rdd</sub> )	Initial (Before any testing)	
	R-RS/T-TS/S-SS	T/R/S
	≤30 mΩ	≤50mΩ
	Final (After life test with mating plug)	
Dielectric Strength: (Withstand 0.5 Ma/500V <sub>AC</sub> / 50 o 60 Hz between any open terminal for 1 minute)	R-RS/T-TS/S-SS	T/R/S
	≤ 60 mΩ	≤100 mΩ
		Insulation Resistance (500 V <sub>DC</sub> ): 100 mΩ
		Dielectric Strength (500 V <sub>AC</sub> / 1 min): Without distinct damage
		50mΩ Máx Final (After life test with mating plug) 100mΩ Máx
		Contact Resistance: Initial (Before any testing) Final (After life test with mating plug)



### Circuito

Machine Type Results	New System Flying Probe 100%
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## Mechanical Characteristics

### Jack Connector

	Initial (Before any testing) Kgf= Kilogramo- force	Final (After life test with mating plug) Kgf= Kilogramo- force
<b>Insertion force and withdrawal force</b>	0.3 Kgf ~ 3 Kgf	0.3 Kgf ~ 3 Kgf

#### Resistance:

The life test shall consist of 5.000 cycles of insertion and withdrawal with test plug, at rate of 20 to 30 cycles per minute under no load.

#### Ambient Temperature:

5° / 35° C

#### Operating Temperature range:

-20° / 60° C

#### Storage Temperature range:

-25° / 70° C

#### Relative Humidity:

45% - 85%

#### Air Pressure:

85-106 Kpa

### DIP

#### Operation Force:

0.8 Kg Máx.

#### Operation Temperature:

-25°/+ 80° C

#### Storage Temperature:

-45°/+ 90° C

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For possible changes due to continuous product improvements; Pinanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.