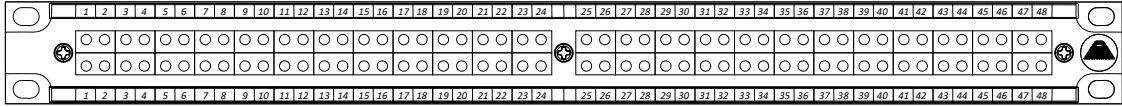


# Tech Data

# PATCH PANELS

## BANTAM

### Welding Rear Connection



### Option 1: Normalization by welding on PCB.

#### Bantam Panel TL

**Tie Lines:**

Factory

**Normal:**

Join tracks welding, following scheme.

**Half-normal Top:**

Join tracks welding, following scheme.

**Half-normal Bottom:**

Join tracks welding, following scheme.



#### Bantam Panel N

**Tie Lines:**

No possible.

**Normal:**

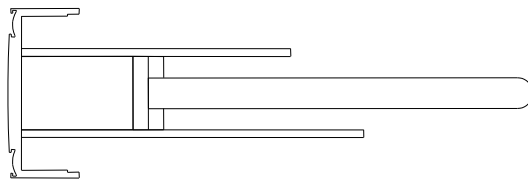
Factory

**Half-normal Top:**

Join tracks welding, following scheme.

**Half-normal Bottom:**

Join tracks welding, following scheme.



# Tech Data

# PATCH PANELS

## BANTAM

### Welding Rear Connection

### Option 2: Normalization by DIP

#### Bantam DIP Panel

#### Bantam DIP NB Panel

**Tie Lines:**

Configure DIP following scheme.

**Normal:**

Configure DIP following scheme.  
 (Default Configuration)

**Half-normal Top:**

Configure DIP following scheme

**Half-normal Bottom:**

Configure DIP following scheme



**Tie Lines:**

Configure DIP following scheme.

**Normal:**

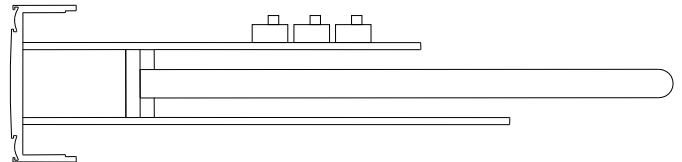
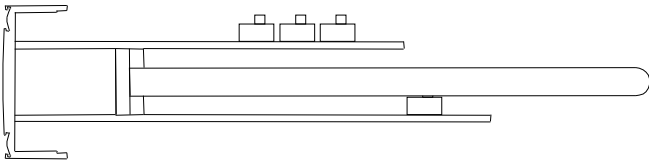
Configure DIP following scheme. (Default Configuration)

**Half-normal Top:**

Configure DIP following scheme

**Half-normal Bottom:**

It's no possible



## Tech Data

## PATCH PANELS

### BANTAM

#### Welding Rear Connection

### Description

- Front panel consists of 2 rows of 48 or 2 rows of 24 BANTAM connectors in 1RU.
- **Welding rear connection.**
- Normal, Half-Normal and Tie Lines normalization (if the configuration allows):
  - **Welding on PCB** (1).
  - **Whit DIP** (1).
 (1) An assembly or other according to preference
- This panel allows a clean and enduring installation.
- This Bantam connector is closed so is resistant to dust, to corrosion and to contamination.
- This panel is compatible with analog and digital systems.

### Applications

Audio Panel with Bantam connectors.

### Physical Characteristics

| Bantam Connector   | DIP  | Bridge   |
|--|--|--|
| <b>Encapsulation:</b><br>Thermoplastics UL94V-0.<br><b>Spring:</b><br>Copper Alloy plated<br><b>Contacts:</b><br>Gold Alloy WEco#1.<br><b>Norma:</b><br>According to ROHS  | <b>Base:</b><br>Engineering Plastics<br><b>Cover:</b><br>Engineering Plastics<br><b>Button:</b><br>Engineering Plastics<br><b>Terminal:</b><br>Copper Alloy. Gold planting                 | <b>Encapsulation:</b><br>Thermoplastics UL94V-0.<br><b>Contacts:</b><br>Gold Alloy WEco#1.<br><b>Norma:</b><br>According to ROHS |
| Circuit  | Terminal Block   |  |
| <b>Film:</b><br>Electra SP-100. Chemplate Revealed<br><b>Solder Mask:</b><br>Electra Photosensitive<br><b>Serigraphy:</b><br>Sun chemical Photosensitive<br><b>Finish:</b><br>Lead free H.A.L.<br><b>FR4 ISOLA:</b> <ul style="list-style-type: none"> <li>- Thick: 1.6 mm (Double size)</li> <li>- Material: Copper 18 <math>\mu</math></li> <li>- Tolerance: <math>\pm</math> 0.10 mm</li> </ul> | <b>Insulating Body:</b><br>Polyamide 66 (UL94V-0)<br><b>Cover:</b><br>Polyamide 66 (UL94V-0)<br><b>Lever:</b><br>Polyamide 66 (UL94V-0)<br><b>Terminal:</b><br>Phosphor bronze. Tin plated |  |

## Tech Data

## PATCH PANELS

BANTAM

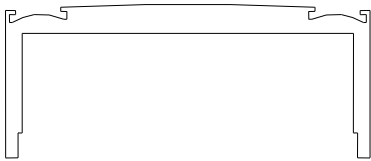
Welding Rear Connection

### Panel

#### Panel Frame (Front and Rear):

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

#### Frame View:



#### Label:

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

#### Tie Cable Bar:

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

## Tech Data

## PATCH PANELS

### BANTAM

Welding Rear Connection

### Electrical Characteristics

| Bantam Connector  |  | Bridge  |  |
|---|--|---|--|
| <b>Dielectric Strength:</b><br>500 V <sub>AC</sub><br><b>Contact Resistance:</b><br>Initial = 20 mΩ<br>Final = 30 mΩ Máx  |  | <b>Dielectric Strength:</b><br>500 V <sub>AC RMS</sub><br><b>Contact Resistance:</b><br>50 m mΩ Máx Ω |  |
| DIP   |  | Circuit   |  |
| <b>Electrical Life:</b><br>2000 operations cycles per switch<br><b>Non-Switching Rating Voltage:</b><br>50 V <sub>DC</sub><br><b>Switching Rating Voltage:</b><br>24 V <sub>DC</sub><br><b>Non-Switching Rating Current:</b><br>100 mA<br><b>Switching Rating Current:</b><br>25 mA<br><b>Contact Resistance:</b> <ul style="list-style-type: none"> <li>- Initial (Before Test): 50 mΩ Máx.</li> <li>- Final (After life Test): 100 mΩ Máx</li> </ul> <b>Insulation Resistance (500 V<sub>DC</sub>):</b><br>100 MΩ<br><b>Dielectric Strength:</b><br>500 V <sub>AC</sub> /1 min. |  | <b>Machine:</b><br>New System<br><b>Type:</b><br>Flying Probe<br><b>Results:</b><br>100%              |  |

### Mechanical Characteristics

| Bantam Connector  |  | DIP  |  |
|---|--|--|--|
| <b>Shock:</b><br>MIL-STD 303 <i>method 313</i><br><b>Vibration:</b><br>MIL-STD 202 <i>method 201</i><br><b>Insertion Force:</b><br>3.5 Kg Máx. (31.14 N)<br><b>Resistance Force:</b><br>0.8 Kg Mín. (6.67 N)<br><b>Life:</b><br>10.000 cycles |  | <b>Operation Force:</b><br>0.8 Kg Máx.<br><b>Operation Temperature:</b><br>-25°/+ 80° C<br><b>Storage Temperature:</b><br>-45°/+ 90° C |  |

## Tech Data

## PATCH PANELS

BANTAM

Welding Rear Connection

### Environmental Characteristics

#### Bantam Connector

**Temperature:**

-55°/+85°C

**Thermal Shock:**

MIL-STD 202 method 107

**SAL:**

MIL-STD 202 method 101

**Humidity:**

MIL-STD 202 method 106 (no 7A and 7B steps)

#### Bridge

**Operation Temperature:**

0°/+85 °C

**Storage Temperature:**

-20°/+70 °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.