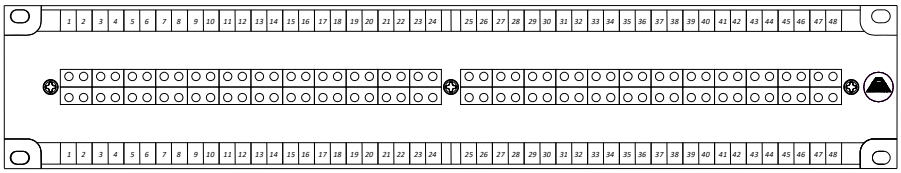
Tech Data

PATCH PANELS

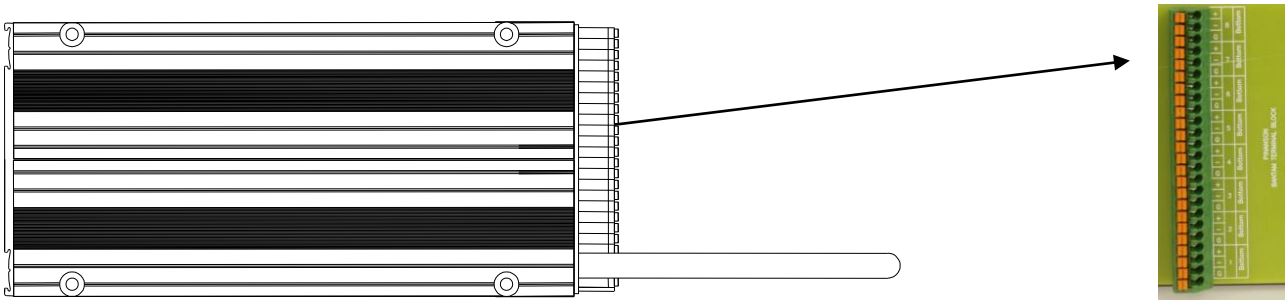
BANTAM

Terminal Block Rear Connection



Option 1: Normalization by welding on PCB.

Bantam Panel TL		Bantam Panel N	
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.	 	 	**Tie Lines:** No possible. **Normal:** Factory **Half-normal Top:** Join tracks welding, following scheme. **Half-normal Bottom:** Join tracks welding, following scheme.



Tech Data

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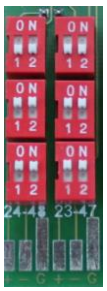
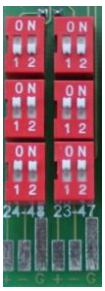
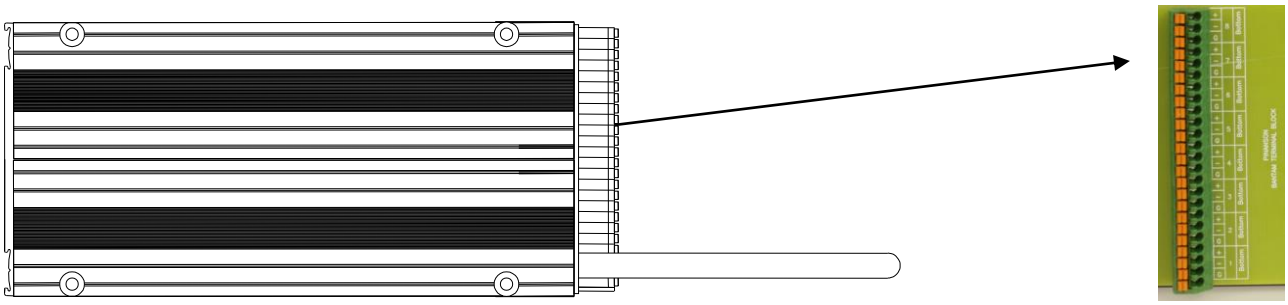
Option 2: Normalization by DIP

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



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Terminal Block Rear Connection

Description

- Front panel consists of 2 rows of 48 or 2 rows of 24 BANTAM connectors in 1RU.
- **Terminal Block 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
Encapsulation: Thermoplastics UL94V-0. **Spring:** Copper Alloy plated **Contacts:** Gold Alloy WEco#1. **Norma:** According to ROHS	**Base:** Engineering Plastics **Cover:** Engineering Plastics **Button:** Engineering Plastics **Terminal:** Copper Alloy. Gold planting	**Encapsulation:** Thermoplastics UL94V-0. **Contacts:** Gold Alloy WEco#1. **Norma:** According to ROHS

Circuit	Terminal Block
Film: Electra SP-100. Chemplate Revealed **Solder Mask:** Electra Photosensitive **Serigraphy:** Sun chemical Photosensitive **Finish:** Lead free H.A.L. **FR4 ISOLA:** - Thick: 1.6 mm (Double size) - Material: Copper 18 µ - Tolerance: ± 0.10 mm	**Insulating Body:** Polyamide 66 (UL94V-0) **Cover:** Polyamide 66 (UL94V-0) **Lever:** Polyamide 66 (UL94V-0) **Terminal:** Phosphor bronze. Tin plated

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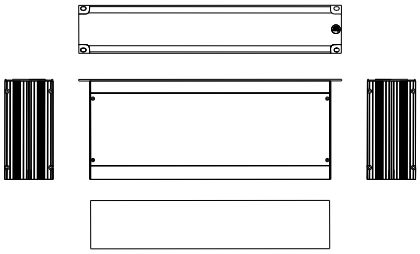
Terminal Block Rear Connection

Panel

Dimensiones:

- Ancho: 482.6 mm
- Alto: 88.1 mm
- Fondo: 181.2 mm



Panel Frame (Front and Rear):

- Extruded Aluminium.
- 6063 Alloy.
- Treatment T5.
- Painted Finished:
  - Powder Electrostatic Covening 100-150 µ
  - Colour: Textured Matte Black

Splice Plates:

- Steel.
- Painted Finished:
  - Powder Electrostatic Covening 100-150 µ
  - Colour: Textured Matte Black

Lids:

- Extruded Aluminium
- Painted Finished:
  - Powder Electrostatic Covening 100-150 µ
  - Colour: Textured Matte Black

Label:

- Polypropylene 100 µ.
- White Colour.

Tie Cable Bar:

- F1 calibration and Steel 8 mm bar.
- Painted Finish:
  - Powder Electrostatic Covening 100-150 µ
  - Colour: Textured Matte Black

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Electrical Characteristics

Bantam Connector	Bridge	Terminal Block
Dielectric Strength: 500 VAC **Contact Resistance:** Initial = 20 mΩ Final = 30 mΩ Máx	**Dielectric Strength:** 500 VAC RMS **Contact Resistance:** 50 m mΩ Máx Ω	**Current Rating (300 VAC):** 2A

DIP	Circuit
Electrical Life: 2000 operations cycles per switch **Non-Switching Rating Voltage:** 50 V DC **Switching Rating Voltage:** 24 V DC **Non-Switching Rating Current:** 100 mA **Switching Rating Current:** 25 mA **Contact Resistance:** - Initial (Before Test): 50 mΩ Máx. - Final (After life Test): 100 mΩ Máx **Insulation Resistance (500 VDC):** 100 MΩ **Dielectric Strength:** 500 VAC /1 min.	**Machine:** New System **Type:** Flying Probe **Results:** 100%

Tech Data

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Mechanical Characteristics

Bantam Connector	DIP	Terminal Block
Shock: MIL-STD 303 *method 313* **Vibration:** MIL-STD 202 *method 201* **Insertion Force:** 3.5 Kg Máx. (31.14 N) **Resistance Force:** 0.8 Kg Mín. (6.67 N) **Life:** 10.000 cycles	**Operation Force:** 0.8 Kg Máx. **Operation Temperature:** -25º/+ 80º C **Storage Temperature:** -45º/+ 90º C	**Operation Temperature:** -55º/+ 105º C

Environmental Characteristics

Bantam Connector	Bridge
Temperature: -55º/+85ºC **Thermal Shock:** MIL-STD 202 *method 107* **SAL:** MIL-STD 202 *method 101* **Humidity:** MIL-STD 202 *method 106 (no 7Aand 7B steps)*	**Operation Temperature:** 0º/+85 ºC **Storage Temperature:** -20º/+70 ºC

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