

# PATCHBAYS

## Featuring The New Professional Punchdown Terminal (PPT)

### Our Patchbays Have Just Rounded A New Corner

Actually, the corners we rounded belong to our patchbays' revolutionary, new Professional Punchdown Terminal (PPT), making it perfectly compatible with the industry standard. We realized that achieving a new industry standard meant we couldn't cut any corners to get there.

The PPT design incorporates a split-barrel design and a more rugged, thicker housing to minimize the impact of repeated punchdowns. The split-barrel design eliminates the problems associated with the old "V-shaped" terminal designs. The PPT design distributes pressure evenly across both sides of the terminated wire, causing improved wire retention plus more reliable connections. The serrated teeth in the plastic housing firmly grip the wires, which also greatly improves wire retention. With the PPT, multiple wires can be terminated to a single contact, and a wide range of wire gauges can be used.

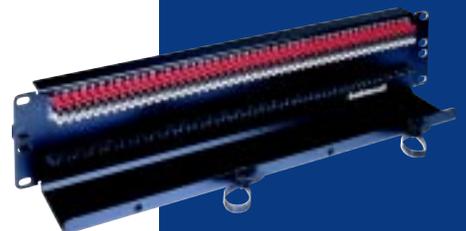
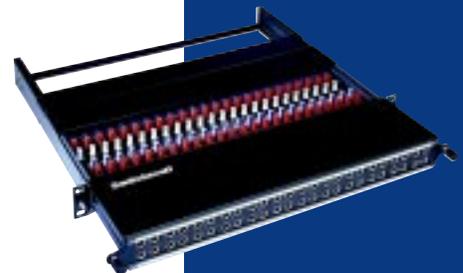
Look for Switchcraft's PPT in our APP and Front Access Series of audio patchbays, and in our new Backpanel Series. All Switchcraft audio patchbays incorporate heavy gauge materials and our high quality, nickel-plated, steel framed jacks. Gold-plated, crossbar contacts come standard!

### Materials

Housing: Thermoplastic (UL 94V-0)

Contacts: High strength copper alloy, tin plated

Wire size: Accommodates #22, 24, or 26 AWG, stranded or solid



PRODUCT  
BULLETIN  
525

## Audio Patch Panels MTP48K Series



### Features and Benefits

- Unit features 48 MT style jacks in either 1RU (1.75" H) or 2RU (3.5" H) spaces
- All versions utilize AES/EBU wiring for complete digital compatibility
- Attractive, corrosion resistant nickel-plated, steel frame jacks
- Gold-plated switching contacts reduce contact resistance, improve reliability
- Rugged, attractive black epoxy-finished steel chassis
- Extra wide designation strips for easy channel identification
- 1RU version configurations include normals strapped and normals brought out
- 2RU version configurations include normals strapped, normals brought out, and sleeve normals brought out

### Specifications

#### Materials

##### Jacks

- Frame: Nickel-plated steel
- Bushing: Nickel-plated brass
- Tip, Ring and Shunt Springs: Nickel silver with welded contacts
- Assembly Screws: Zinc-plated steel
- Welded Contacts: Gold alloy

##### Panel

- Front Channel: Black anodized aluminum
- Frame: C.R.S. black epoxy painted
- Designation Strips: Black polycarbonate 94V-0
- Designation Strip Covers: Clear polycarbonate
- Jack Inserts: Thermoplastic polyester

#### Mechanical

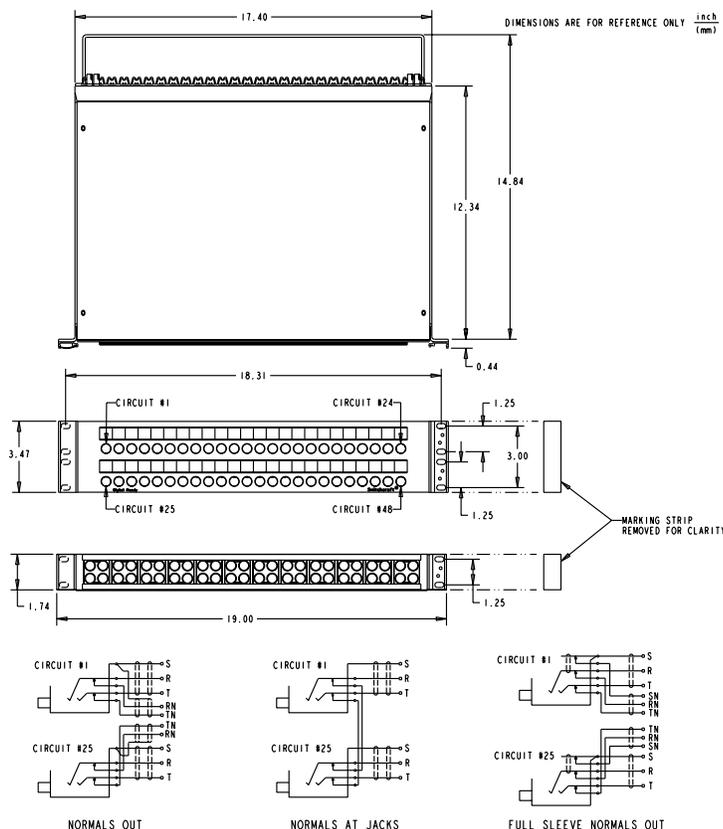
- Life: 10,000 cycles
- Insertion Force: 7 lbs. maximum
- Withdrawal Force: 1 lb. minimum
- Environmental: 0°C to +50°C

#### Electrical

- Contact Resistance: 30 milliohms maximum initial
- Insulation Resistance: 10,000 megohms maximum
- Dielectric Withstanding Voltage: 500 VAC at 60 Hz
- Working Voltage: 140 VDC maximum

Part Number	Description
MTP48K1NS	1.75" H unit, 48 MT jacks, normals strapped
MTP48K1NO	1.75" H unit, 48 MT jacks, normals brought out
MTP48K3NS	3.5" H unit, 48 MT jacks, normals strapped
MTP48K3NO	3.5" H unit, 48 MT jacks, normals brought out
MTP48K3SNO	3.5" H unit, 48 MT jacks, sleeve normals out

Uses PT1 punchdown tool. Refer to Accessories Section on Page 4.



# MTPFA/TTPFA Front Access Series

## Features and Benefits

- Easy slide-out tray slides forward for easy re-termination from the **front** of the rack
- Available with either 48 MT style or 96 TT style jacks in a 1RU space
- Attractive, corrosion resistant nickel-plated, steel frame jacks
- Gold-plated switching contacts reduce contact resistance, improves reliability
- Extra wide designation strips for easy channel identification
- Rugged, attractive black epoxy-finished steel chassis
- Configurations available include normals strapped and normals brought out



Part Number	Description
MTPFA48K1NS	48 MT jacks, normals strapped
MTPFA48K1NO	48 MT jacks, normals brought out
TTPFA96K1NS	96 TT jacks, normals strapped
TTPFA96K1NO	96 TT jacks, normals brought out

Uses PT1 punchdown tool. Refer to Accessories Section on Page 4.

## Specifications

### Materials

#### Jacks

- Frame: Nickel-plated steel
- Bushing: Nickel-plated brass
- Tip, Ring and Shunt Springs: Nickel silver with welded contacts
- Assembly Screws: Nickel-plated steel
- Welded Contacts: Gold alloy

#### Panel

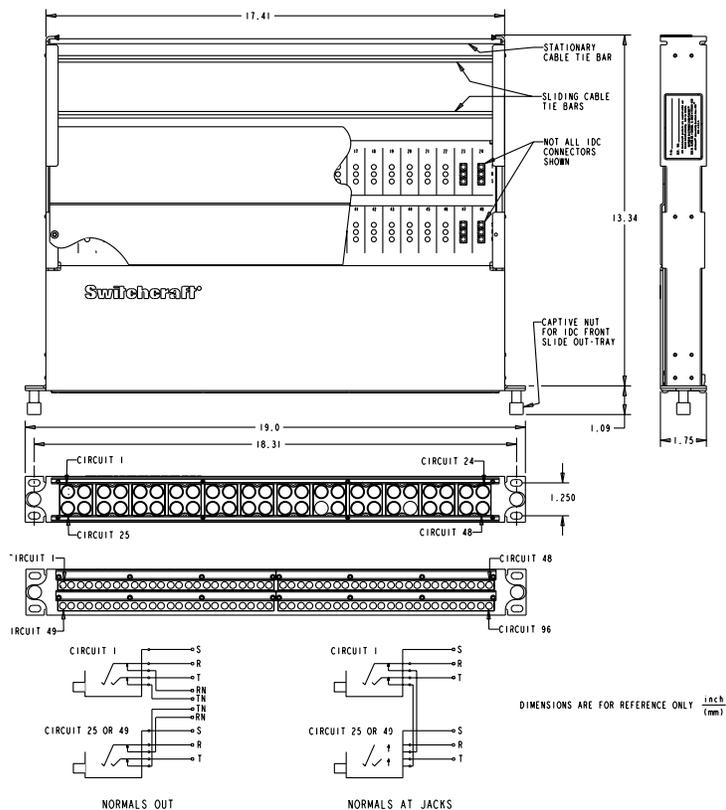
- Frame: C.R.S. black epoxy painted
- Designation Strips: Black polycarbonate 94V-0
- Designation Strip Covers: Clear polycarbonate
- Jack Inserts: Thermoplastic 94V-0

### Mechanical

- Life: 10,000 cycles
- Insertion Force: 7 lbs. maximum
- Withdrawal Force: 1 lb. minimum
- Operating: -20°C to +65°C

### Electrical

- Jack Contact Resistance: 30 milliohms initial maximum; 50 milliohms after life
- Jack Insulation Resistance: 10,000 megohms maximum
- Dielectric Withstanding Voltage: 500V at 60 Hz AC
- Working Voltage: 100 milliamps or less; maximum 56.5 VDC



## Backpanel Series

### Features and Benefits

- Allows for custom patchbay configurations or central patching points
- PPTs have IDCs on both sides for easy installation
- Rugged, attractive black epoxy-finished steel chassis
- Cable trays allow for mounting and securing terminated cable

### Specifications

- Panel thickness: .093"
- Mounting hole diameter: .187"
- Mounting hole spacing (48 IDCs/row): .340" (Horizontal) x .275" (Vertical)
- Mounting hole spacing (52 IDCs/row): .320" (Horizontal) x .275" (Vertical)
- Wire size: #22, 24, 26 AWG Stranded or Solid (IDC termination)
- Wire size: #22, 24, 26 AWG Solid (Wire wrap termination)

### Materials

- Housing: Thermoplastic (UL 94V-0)
- Contacts: High strength copper alloy
- Backpanels: Black Epoxy coated C.R.S.
- Cable Tray: Black Epoxy coated C.R.S.



Part Number	Description
MTP48K3BPNS	Backpanel with 48 sets of T, R, S terminals
MTP48K3BPNO	Backpanel with 48 sets of T, TN, R, RN, S terminals
MTP52K3BPNO	Backpanel with 52 sets of T, TN, R, RN, S terminals
TTP96K3BPNS	Backpanel with 96 sets of T, R, S terminals
TTP96K5BPNO	Backpanel with 2 x 96 sets of T, TN, R, RN, S terminals
MTP24K7	Wallpanel 7" x 6" with 2 x 24 sets of +, -, S terminals

Uses PT1 punchdown tool. Refer to Accessories Section on Page 4.

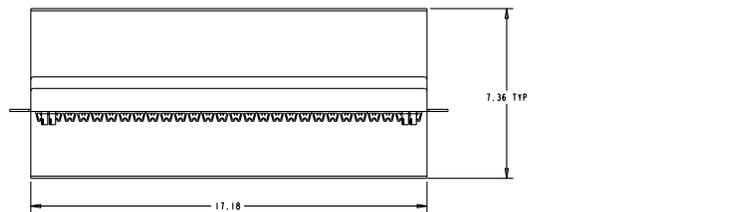


FIGURE A  
(MTP48K3BPNS SHOWN)

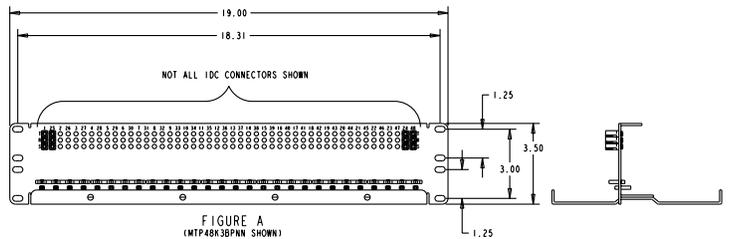


FIGURE B  
(TTP96K5BPNO SHOWN)

### Accessories

Part Number	Description
K459	PPT replacement kit consists of 15 of each color (IDC/IDC)
K460	PPT replacement kit consists of 15 of each color (IDC/wirewrap)
PT1	PPT impact punchdown tool
PT2	Replacement bit for PT1 tool

\*Colors consist of red, black, white, yellow, blue, and orange.