# Switchcraft®

## • HPC Series Cable-Mount Faston Connectors

HPC Series cable-mount connectors are available as straight, right angle, or in-line.

### Models:

| Model: | Description |
|---|---|
| HPCC4F | HPC Loudspeaker, Cable Mount Connector, straight cord plug |
| HPCC4FPKG | HPC Loudspeaker, Cable Mount Connector, straight cord plug, bulk pack |
| HPCC4RAF | HPC Loudspeaker, Right Angle Cable Mount Connector, right angle cord plug |
| HPCC4RAS | HPC Loudspeaker, Right Angle Cable Mount Connector |
| HPCC4S | HPC Loudspeaker, Cable Mount Connector |
| HPCI4F | HPC Loudspeaker, In-line Cable Mount Connector, in-line cord plug |

HPCI4F

HPCC4F

HPCC4RAF

## • HPCR Series Panel Faston Connectors

HPC Series round panel-mount connectors.

### Models:

| Model: | Description |
|---|---|
| HPCPR410F | HPC Panel Mount Receptacle, Round, 0.093" Diameter Mounting Holes, 0.100" Flange Depth, 0.250" Faston Terminals |
| HPCPR41F1 | HPC Panel Mount Receptacle, Round, 0.152" Diameter Countersunk Mounting Holes, 0.100" Flange Depth, 0.187" Faston Terminals |
| HPCPR42F | HPC Panel Mount Receptacle, Round, 0.152" Diameter Countersunk Mounting Holes, 0.200" Flange Depth, 0.250" Faston Terminals |

# Switchcraft®

## TA Series Tini-QG Mini XLR-female

TA Series Tini-QG (Mini XLR) female cable-mount connectors.

Models:

| Model: | Description |
|---|---|
| TA3FX | Tini-QG "Mini XLR" 3 Pin Female Cable-Mount, Silver Pins, Nickel |
| TA4FX | Tini-QG "Mini XLR" 4 Pin Female Cable-Mount, Silver Pins, Nickel |
| TA5FX | Tini-QG "Mini XLR" 5 Pin Female Cable-Mount, Silver Pins, Nickel |

## TA Series Tini-QG Mini XLR-male

TA Series Tini-QG (Mini XLR) male cable-mount connectors.

Models:

| Model: | Description |
|---|---|
| TA3MX | Tini-QG "Mini XLR" 3 Pin Male Cable-Mount, Silver Pins, Nickel |
| TA4MX | Tini-QG "Mini XLR" 4 Pin Male Cable-Mount, Silver Pins, Nickel |
| TA5MX | Tini-QG "Mini XLR" 5 Pin Male Cable-Mount, Silver Pins, Nickel |

## TB Series Tini-QG Mini XLR-Panel Mount

TB Series male Tini-QG (Mini XLR) panel-mount connectors.

Models:

| Model: | Description |
|---|---|
| TB3M | Tini-QG "Mini XLR", 3 Pin Male, circular Panel-Mount: Nickel Housing |
| TB4M | Tini-QG "Mini XLR", 4 Pin Male, circular Panel-Mount: Nickel Housing |
| TB5M | Tini-QG "Mini XLR", 5 Pin Male, circular Panel-Mount: Nickel Housing |
| TB6M | Tini-QG "Mini XLR", 6 Pin Male, circular Panel-Mount: Nickel Housing |

## TB Series Shielded Mini XLR Connectors

Shielded Tini-QG (Mini XLR) connectors provide the same great quality as the rest of the Tini-QG series with the added benefit of shielding from EMI and RF interference.

Models:

| Model: | Description |
|---|---|
| TA3FSHF | Shielded Mini XLR, 3 contacts, Female, Silver Plated contacts, with Flex Relief |
| TA3MSHF | Shielded Mini XLR, 3 contacts, Male, Silver Plated contacts, with Flex Relief |
| TA4FSHF | Shielded Mini XLR, 4 contacts, Female, Silver Plated contacts, with Flex Relief |
| TA4FMSHF | Shielded Mini XLR, 4 contacts, Male, Silver Plated contacts, with Flex Relief |

# Switchcraft®

## AAA Series 'QuickTwist' XLR Connectors

XLR connectors with two-piece assembly for quick termination and unequalled performance.

### Models:

| Model: | Description |
|---|---|
| AAA3F | AAA Series 3 Pin XLR Female Cable Mount, Silver Pins, Nickel Metal |
| AAA3M | AAA Series 3 Pin XLR Male Cable Mount, Silver Pins, Nickel Metal |
| AAA3FP | AAA Series 3 Pin XLR Female Cable Mount, Silver Pins, Plastic Body (Silver Head) |
| AAA3MP | AAA Series 3 Pin XLR Male Cable Mount, Silver Pins, Plastic Body (Silver Head) |
| AAA4F | AAA Series 4 Pin XLR Female Cable Mount, Silver Pins, Nickel Metal |
| AAA4FP | AAA Series 4 Pin XLR Female Cable Mount, Silver Pins, Plastic Body (Silver Head) |
| AAA4M | AAA Series 4 Pin XLR Male Cable Mount, Silver Pins, Nickel Metal |
| AAA4MP | AAA Series 4 Pin XLR Male Cable Mount, Silver Pins, Plastic Body (Silver Head) |
| AAA5F | AAA Series 5 Pin XLR Female Cable Mount, Silver Pins, Nickel Metal |
| AAA5M | AAA Series 5 Pin XLR Male Cable Mount, Silver Pins, Nickel Metal |
| AAA7F | AAA Series 7 Pin XLR Female Cable Mount, Silver Pins, Nickel Metal |
| AAA7M | AAA Series 7 Pin XLR Male Cable Mount, Silver Pins, Nickel Metal |

## R Series Right-Angle Cable Mount XLR Connectors

Right-angle versions of AAA Series XLR Connectors.

### Models:

| Model: | Description |
|---|---|
| R3F | AAA Series 3 Pin Female Right Angle Cable Mount XLR, Silver Pins, Nickel Body |
| R3M | AAA Series 3 Pin Male Right Angle Cable Mount XLR, Silver Pins, Nickel Body |

## E Series Panel-Mount XLR Connectors

The E Series offers a panel mount with quick release inserts. A small screwdriver can be used to remove the inserts, allowing for easy gender changes.

The male and female E Series fit into the same panel cut-outs.

### Models:

| Model: | Description |
|---|---|
| E3F | E Series 3 Pin XLR Female Quick Disconnect (No Latch), Conical Spring Contacts, Silver Pins, Nickel Finish |
| E3M | E Series 3 Pin XLR Male Quick Disconnect (No Latch), Conical Spring Contacts, Silver Pins, Nickel Finish |

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# Switchcraft

## • DMX Adaptors

Switchcraft introduces their new series of DMX adaptors. The DMX adaptors were developed for use in the theatre lighting industry.

The adaptors allow the end user to use standard 3 pin XLR cable assemblies in connecting DMX equipment.

The adaptors are available in 3 pin male to 5 pin female and 5 pin male to 3 pin female. All are wired "straight through".

### Models:

| Model: | Description |
|--------|-------------|
| S3F5M | 3 pin female to 5 pin male |
| S5F3M | 5 pin female to 3 pin male |

### Features:
- Nickel-plated die-cast housing increases durability
- Pre-wired for immediate use
- Available in two configurations

### Applications:
- Theatre lighting
- Any DMX application

### Specifications:

| Model: | DMX Adaptors |
|--------|--------------|
| Shell | Die-cast zinc, satin nickel finish |
| Insert Insulation | Moulded thermoplastic |
| Socket Contacts | Silver-plated copper alloy, tarnish resistant |
| Pin Contacts | Silver-plated copper alloy, tarnish resistant |

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- ## EH Series: AV Panel Mount Connectors

### 1. Choose any combination of EH Series connectors.

The EH Series by Switchcraft is a complete line of audio, video and data connectors built into standard panel-mount XLR housings.

Custom combinations of EH Series connectors can be quickly loaded into any of our Q-G Series panels. Once mounted, connecting your equipment to the back of an EH Series connector is fast and easy.

Most connectors are feedthru, which means standard cabling is simply plugged into the back of your gear, then plugged into the back of the EH Series connector. For those EH Series connectors that are not feedthru, solder lugs are clearly marked for simple, secure solder connections.

All EH Series connectors are available individually bagged with mounting screws.

### 2. Choose a blank Q-G Series panel.

Q-G Series panels come standard as 1U (1x16), 1.5U (1x16), or 2U (2x16). 1U and 1.5U versions allow for any combination of up to 16 EH Series connectors to be loaded into the panel. The 2U version can accommodate up to 32 EH Series connectors. Every Q-G Series panel includes quick change designation strips for easy connector identification.

### 3. Populate EH Series connectors into Q-G Series panel to create custom I/O solution for all of your audio, video and data connections.

Switchcraft's EH Series is the fastest and most versatile way to create a custom panel or wall plate perfectly suited to meet the needs of any studio, broadcast facility, or systems integrator. Customise your studio, make it easy to access your I/O's, and increase the lifespan of expensive pieces of equipment using EH Series connectors and Q-G Series Panels from Switchcraft.

QGPK1B440

## Models:

| Part Number | EH Series | Termination | Housing | Connector |
|---|---|---|---|---|
| EH35MMMSC | 3.5MM (1/8") Mono | Solder | EH | 35MMMSC |
| EH35MMSSC | 3.5MM (1/8") Stereo | Solder | EH | 35MMSSC |
| EHSVHS2 | SVHS (S-Video) | Feedthru | EH | SVHS2 |
| EH6MD2 | PS/2 | Feedthru | EH | 6MD2 |
| EHFW2 | Firewire 400 (IEEE1394) Straight-wired | Feedthru | EH | FW2 |
| EHFWX2 | Firewire 400 (IEEE1394) Cross-wired | Feedthru | EH | FWX2 |
| EHFW8002 | Firewire 800 (IEEE1394B) Straight-wired | Feedthru | EH | FW8002 |
| EHFW800X2 | Firewire 800 (IEEE1394B) Cross-wired | Feedthru | EH | FW800X2 |
| EHRCA2 | RCA | Feedthru | EH | RCA2 |
| EHBNC2 | BNC | Feedthru | EH | BNC2 |
| EHBNC2R | BNC (Recessed Front) | Feedthru | EH | BNC2R |
| EHBNCSC | BNC | Solder | EH | BNCSC |
| EHBNCRCA | BNC to RCA | Feedthru | EH | BNCRCA |
| EHRCABNC | RCA to BNC | Feedthru | EH | RCABNC |
| EHUSBAB | USB A to B | Feedthru | EH | USBAB |
| EHUSBBA | USB B to A | Feedthru | EH | USBBA |
| EHDB9MM | 9-Pin DSUB Male to Male | Feedthru | EH | DB9MM |
| EHDB9MF | 9-Pin DSUB Male to Female | Feedthru | EH | DB9MF |
| EHDB9FF | 9-Pin DSUB Female to Female | Feedthru | EH | DB9FF |
| EHHD15MM | 15-Pin HD DSUB Male to Male | Feedthru | EH | HD15MM |
| EHHD15MF | 15-Pin HD DSUB Male to Female | Feedthru | EH | HD15MF |
| EHHD15FF | 15-Pin HD DSUB Female to Female | Feedthru | EH | HD15FF |
| EHFF | F to F (Coaxial) | Feedthru | EH | FF |
| EHLC2 | LC Fiber Optic (single-mode) | Feedthru | EH | LC2 |
| EHLC2M | LC Fiber Optic (multi-mode) | Feedthru | EH | LC2M |
| EHSC2 | SC Fiber Optic (single-mode) | Feedthru | EH | SC2 |
| EHSC2M | SC Fiber Optic (multi-mode) | Feedthru | EH | SC2M |
| EHST2 | ST Fiber Optic (single-mode) | Feedthru | EH | ST2 |
| EHST2M | ST Fiber Optic (multi-mode) | Feedthru | EH | ST2M |
| EHTL2 | TOSLINK | Feedthru | EH | TL2 |
| EHRJ45 P5ES | Cat 5e Sheilded | Feedthru | EH | RJ45 P5ES |
| EHRJ45 P5E | Cat 5e Unsheilded | Feedthru | EH | RJ45 P5E |
| EHRJ45 P6S | Cat 6 Sheilded | Feedthru | EH | RJ45 P6S |
| EHRJ45 P6 | Cat 6 Unsheilded | Feedthru | EH | RJ45 P6 |

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- ## EH Series: AV Panel-Mount Connectors

| | | | | | |
|---|---|---|---|---|---|
| E3MSCB | E3FSC | E4MSC | E4FSC | E5MSCB | E5FSC |
| E112BL | EH35MMMSC | EHUSBBAB | EHUSBAB | EHFWX2B | EHFW800X2 |
| EH6MD2 | EHSVHS2B | EHRCA2 | EHDB9MF | EHDB9FFB | EHHD15MF |
| EHHD15FFB | EHFFB | EHBNC2B | EHLC2 | EHLC2M | EHSC2 |
| EHSC2M | EHST2 | EHST2MB | EHTL2 | | |

ECPPKG

ECP2PKG

ECP4PKG

ECP8PKG

- ## Q-G® Panel Options

| Part Numbers | Rack Height | Number of Knockouts | Tapped 4–40 Holes |
|---|---|---|---|
| QGPK1B | 1U | 1 x 16 | No |
| QGPK1B440 | 1U | 1 x 16 | Yes |
| QGPK2B | 1.5U | 1 x 16 | No |
| QGPK2B440 | 1.5U | 1 x 16 | Yes |
| QGPK3B | 2U | 2 x 16 | No |
| QGPK3B440 | 2U | 2 x 16 | Yes |

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● **Switchcraft Patchbays:** MMVP Series Micro Video Patchbays

The MMVP Series provides the highest level of density for SMPTE 424M video and AES/EBU digital audio patching... 48 channels (96 patch-points) in a 1U 19" rack space.

Based on the patented, proven design of Switchcraft's MVJ MidSize video jack, the all metal, screw-in jack provides complete stability and durability in even the most extreme applications, including mobile production. The MMVP jack is rated at 3GHz and meets SMPTE 424M specifications. Industry standard DIN 1.0/2.3 rear termination makes installation easy and eliminates the need for proprietary connectors or special tooling.

Each patchbay jack can be colour-coded using our new colour chips. Each chip snaps into the front panel, providing instant channel identification. Additionally, snap-in posts on either side of the designation strips secure designation labeling.
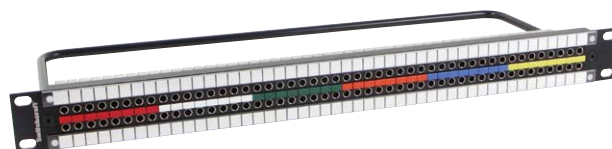
The MMVP Series is available in 1U and 2U heights for greater flexibility. 2U versions are available with two rows of jacks (4 x 48 density). All versions are available normalled, non-normalled, 75Ω terminated or non-terminated.

### Features:

• Based on the proven, reliable, patented technology of our MVJ Series of HD video jacks
• Screw in, all metal jack design withstands vibration in mobile applications
• Rated at 3GHz: meets SMPTE 424M specifications for HD patching

## ● MMVP48K175T:

• 1U/96 Patch-points
• Fully Normalled
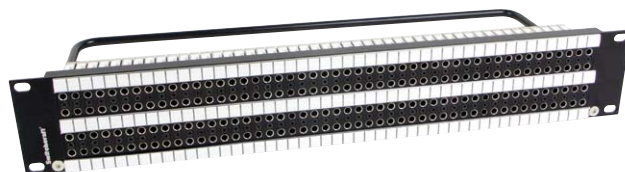• 75Ω Terminated
• Designation strip height: 0.380"

## ● MMVP48K1NTAES:

• 1U/96 Patch-points
• Designed for AES/EBU Digital Audio
• Designation strip height: 0.380"

## ● MMVP96K375T:

• 2U/192 Patch-points
• Fully Normalled
• 75Ω Terminated
• Designation strip height: 0.500"

### Patchbay Models:

| Model: | Description |
|---|---|
| MMVP48K175T | 1U, 2 x 48, Normalled, Terminated |
| MMVP48K1NT | 1U, 2 x 48, Normalled, Non-Terminated |
| MMVP48K1N75T | 1U, 2 x 48, Non-Normalled, Terminated |
| MMVP48K1NNT | 1U, 2 x 48, Non-Normalled, Non-Terminated |
| MMVP48K375T | 2U, 2 x 48, Normalled, Terminated |
| MMVP48K3NT | 2U, 2 x 48, Normalled, Non-Terminated |
| MMVP48K3N75T | 2U, 2 x 48, Non-Normalled, Terminated |
| MMVP48K3NNT | 2U, 2 x 48, Non-Normalled, Non-Terminated |
| MMVP96K375T | 2U, 4 x 48, Normalled, Terminated |
| MMVP96K3NT | 2U, 4 x 48, Normalled, Non-Terminated |
| MMVP96K3N75T | 2U, 4 x 48, Non-Normalled, Terminated |
| MMVP96K3NNT | 2U, 4 x 48, Non-Normalled, Non-Terminated |

Now available with channel marking colour chips - sold separately

### Colour Chip Models:

| Model: | Description |
|---|---|
| K600 | Bag of 60 MMVP Colour Chips, 10 of each colour |
| K6002D | Bag of 50 MMVP Colour Chips, Red |
| K6003B | Bag of 50 MMVP Colour Chips, Orange |
| K6004B | Bag of 50 MMVP Colour Chips, Yellow |
| K6005N | Bag of 50 MMVP Colour Chips, Green |
| K6006L | Bag of 50 MMVP Colour Chips, Blue |
| K6009B | Bag of 50 MMVP Colour Chips, White |

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## ● Pass-Through I/O Panels

PT Series Audio Pass-Through I/O Panels are a perfect solution for anyone requiring front-of-rack access to their I/O's in any permanent or mobile studio environment.
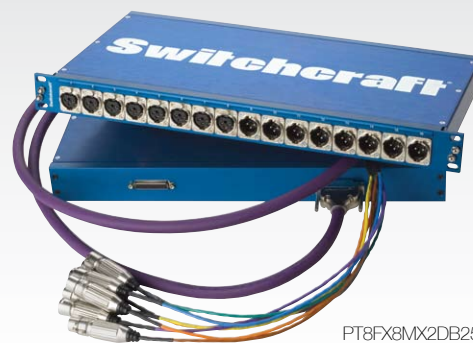
All versions are hard-wired to two DB25 back panel connectors utilising the TASCAM DTRS standard pin-out.

### Models:

| Model: | Description |
|--------|-------------|
| PT16FX2DB25 | (16 Female XLRs) |
| PT16MX2DB25 | (16 Male XLRs) |
| PT8FX8MX2DB25 | (8 Female & 8 Male XLRs) |
| PTAESEBU2DB25 | (8 Female & 8 Male XLRs in groups of four) |
| PT16TRS2DB25 | (16 1/4" TRS Jacks) |
| *DB25 Breakout Cable | (DB25M10XLRMXLRF) |

PT8FX8MX2DB25

### Features:

- Front-of-rack access to the back of your rack
- Input/Output module for any piece of equipment utilizing DB25, 1/4" TS/TRS, or Male/Female XLR connections (i.e. audio consoles, mic-pre's, channel strips, outboard gear, etc.)
- Increase the lifespan of expensive pieces of equipment by preserving their input/output connectors insertion/withdrawal cycle limitations
- Hard-wired using 110Ω AES/EBU digital audio cable... ideal for analog or AES/EBU digital audio
- DB25 connectors are wired to the TASCAM DTRS pin-out
- All Switchcraft® Audio Pass-through Panels come with removable custom marking strips.

# EDAC

- ## **Series 516:** Rack & Panel Connectors
  ## (Commercial Grade Rectangular)

  - Industry standard rack & panel connectors with highreliability contacts
  - Hermaphroditic contacts provide extremely reliable connection
  - Gold over nickel contact plating in thru-hole PCB, wirewrap, crimp or wire hole styles
  - Crimp contacts can be ordered separately in bulk or on reel for automated insertion (1800 per reel)
  - Contacts may be ordered separately for pre-wired or select position assembly
  - From 20 ~ 120 pins, with actuator, polarizing and locknut options
  - Plastic and metal hoods available with cable clamps for strain relief

  ### Features:
  - UL Recognized
  - 0.150 (3.81) Contact Spacing x 0.130 (3.30) or 0.150 (3.81) Row Spacing with Staggered Grid
  - Plug and Receptacle available with 20, 38, 56, 90 or 120 contact sizes
  - Edacon hermaphroditic contact mating design
  - Contact termination options include: Crimp, P.C. Tail, Wire Hole, Wire Wrap, & Taper Tail
  - Mating and unmating simplified with actuating screws
  - Optional covers with side or top entry cable clamp in plastic or metal material available for all connector sizes
  - Versatile metal cover design permits assembly or disassembly after cabling is complete plus cable entry style flexability
  - Actuating screws, locknuts, polarizing hardware, covers and contacts suitable for either plug or receptacle
  - Polarizing hardware adjustable for 288 mating combinations
  - Tools available for contact installation, removal, and crimping and polarizing changes

## Specifications:

| Model: | 516 Series |
|---|---|
| Insulator Material | Diallyl Phythalate or Thermoplastic Polyester, UL 94V-0, Colour: Green, or Polycarbonate, Colour: Grey |
| Contact Material | Phosphor Bronze Alloy CA-510 |
| Contact Plating | Gold over nickel for entire contact |
| Cover Material | Polycarbonate, Colour: Green, or Die-Cast Zinc, finished with grey enamel paint |
| Current Rating | 8.5 A |
| Contact Resistance | 10mΩ maximum |
| Dielectric Withstanding Voltage | 2000v AC RMS at sea level |
| Insulation Resistance | 5000MΩ minimum |
| Operating Temperature | -65 ~ +125°C |
| Insertion and Withdrawal Force | 2 ~ 16oz (0.56 ~ 4.45N) per contact position |