



# USB & HDMI Connectors

---

# EDAC

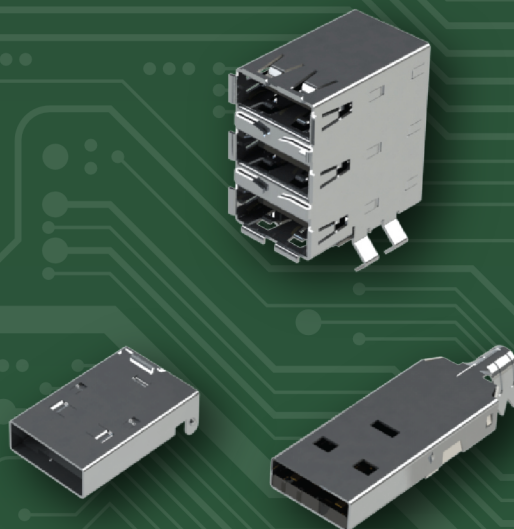


## USB Connectors

EDAC standard USB connectors are available in all types (A, B, and C) with vertical or right angle orientations. USB connectors combine data and power in a small package. Type C offers ten times the speed of conventional USB connectors and could be inserted in either direction.

## Features

- USB Type A, B, and C are available
- Up to 10 Gbps communication speed available for USB Type C 3.1
- Industry standard plug and play technology
- Hot pluggable
- Compatible with synchronous and asynchronous data transfer methods
- Stacked versions available up to 4 ports

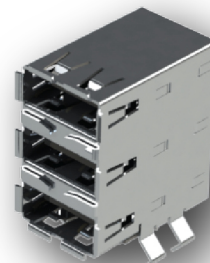
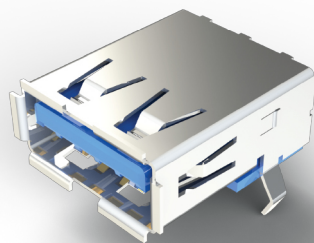
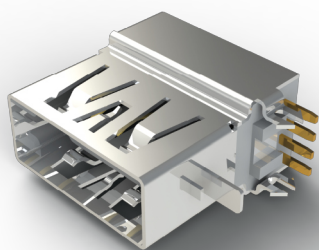


# USB Connectors

Series	Type	Standard	Top Speed	No. of Contacts	Plating Options	Orientation	Contact Termination
690A-B	Type-A	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle	PC Tail
690C-D	Type-A	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle	PC Tail
690E-F	Type-A	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	PC Tail
690G-H	Type-A	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Mid-Mount	PC Tail
690J	Type-A	2.0	480 Mbps	4	Flash - 30 $\mu$ " Gold	Right Angle	SMT
690L	Type-A	2.0	480 Mbps	4	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	Solder Cup
690M	Type-A	3.0	5 Gbps	9	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	Solder Pad
690N	Type-A	2.0, 3.0	480 Mbps, 5Gbps	8, 18	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle, Vertical, Stacked	PC Tail
690P	Type-B	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle	PC Tail
690Q	Type-B	2.0	480 Mbps	4	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	PC Tail
690S	Type-B	2.0	480 Mbps	4	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	Solder Cup
690T	Micro & Mini Type-B	2.0, 3.0	480 Mbps, 5Gbps	5	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle	SMT
691C	Type-A	2.0	480 Mbps	4	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	Solder Cup
691E	Type-A	2.0	480 Mbps	4	15 $\mu$ " Gold	Vertical	Solder Pad
691F	Type-B	2.0, 3.0	480 Mbps, 5Gbps	4, 9	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	Solder Cup
698A-C	Type-C	3.1	10 Gbps	6, 16, 24	2 $\mu$ " - 30 $\mu$ " Gold	Right Angle, Mid-Mount, Vertical	SMT, SMT Mix
699B-C	Type-C	3.1	10 Gbps	16, 24	2 $\mu$ " - 30 $\mu$ " Gold	Vertical	SMT

EDAC USB connectors offer power and data transmission in a small package

The USB Type C design allows the connector to be plugged in either direction



# EDAC

For More Information

[edac.net](http://edac.net)



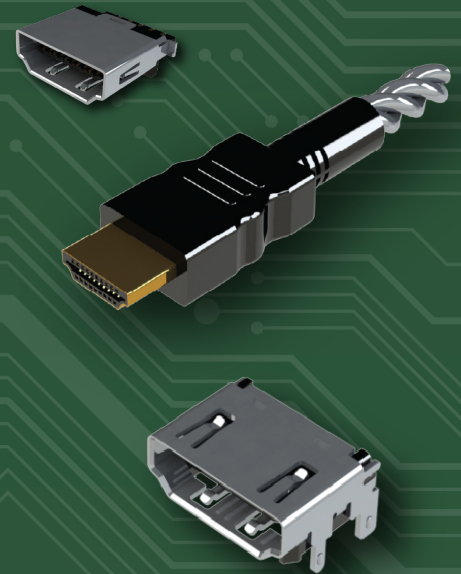


## HDMI Connectors

EDAC HDMI connectors follow industry standards and are available in vertical or right angle orientations. Single or dual port versions are available. These deliver high speed video transmissions resulting in very high resolution images.

## Features

- Standard 19 pin Type-A, micro versions, and an automotive shrouded version are available
- Vertical or right angle and single or dual stacked
- Plating options from gold flash to 30 $\mu$ " gold for high insertion cycles
- Hot pluggable
- Synchronous and asynchronous data transfers

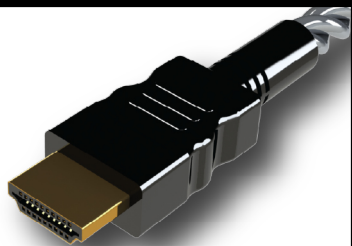


## HDMI Connectors

Series	Type	Top Speed	No. of Contacts	Plating Options	Orientation	Contact Termination
694A	Type-A	48 Gbps	19	2μ" - 30μ" Gold	Right Angle	SMT
694B	Type-A	18 Gbps	19	2μ" - 30μ" Gold	Right Angle	PC Tail
694C	Type-A	18 Gbps	19	2μ" - 30μ" Gold	Mid-Mount	PC Tail
694D	Type-A	18 Gbps	19	2μ" - 30μ" Gold	Right Angle	SMT
694E	Type-A	18 Gbps	19	2μ" - 30μ" Gold	Right Angle	SMT
694F	Type-A	18 Gbps	19	2μ" - 30μ" Gold	Vertical	SMT
694H	Type-D	18 Gbps	19	2μ" - 30μ" Gold	Right Angle	SMT

EDAC HDMI connectors deliver superior high resolution video

Industry standard footprints and board heights to match your designs



# EDAC

For More Information

[edac.net](http://edac.net)



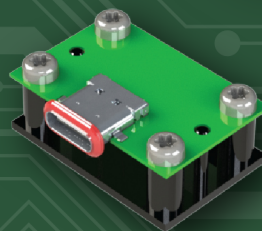
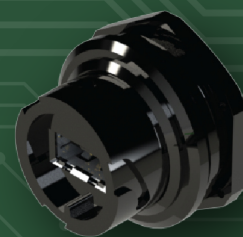


## Waterproof USB Connectors

Waterproof panel mount Type A, B, C, and micro USB connectors are available with IP67 grade protection. Quarter turn twist and lock bayonet style system offers easy mating and ultra secure connections. IP67 Waterproof board mount USB connectors feature full epoxy sealing of the contacts and an o-ring seal to the panel.

### Features

- Standard USB type A, micro USB, mini USB, and bayonet style are available 1.2Mbps or 480Mbps communication speeds
- 480Mbps communication speed compatible with USB 2.0 standard
- Compatible with synchronous and asynchronous data transfer methods
- Silicone rubber seals for tight seal to panel
- Bayonet locking system for safe mating under severe vibration or shock conditions
- Micro USB board mount and Type-C available with all rated IP67

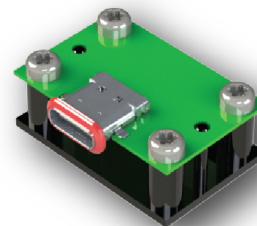
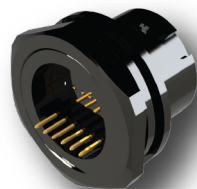


# Waterproof USB Connectors

Series	Type	No. of Contacts	Plating Options	Orientation
690W	Multiple	4, 5, 24	Flash - 30μ" Gold	Vertical, Right Angle

Solid waterproof connection with superior shock & vibration resistance

Built to withstand the most harsh environments



**EDAC**

For More Information

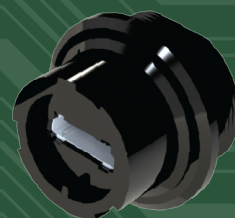
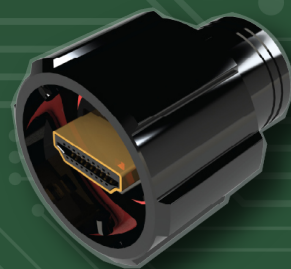
[edac.net](http://edac.net)





## Waterproof HDMI Connectors

Waterproof HDMI connectors follow industry standards and are available with a quarter turn, twist and lock, bayonet locking system offering easy mating and an ultra secure connection. Fully sealed on the back end with an o-ring seal to the panel ensures no water ingress. These IP67 rated connectors are fully submersible and deliver high speed video transmissions resulting in very high resolution images.



## Features

- Plating options from gold flash to 30 $\mu$ " gold plating
- Quarter turn, twist and lock, bayonet style locking mechanism
- Silicone rubber seals and fully potted terminals
- Hot pluggable
- Synchronous or asynchronous high speed data transmissions



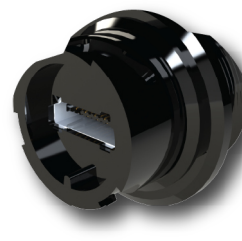
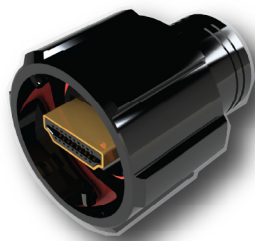
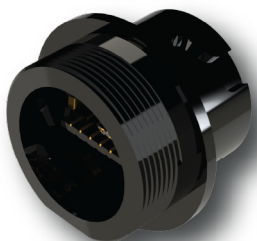


## Waterproof HDMI Connectors

Series	Type	No. of Contacts	Plating Options	Orientation
694W	Type-A	19	Flash - 30µ" Gold	Vertical

Premium IP67 connector with secure locking mechanism

IP67 waterproof connections with superior shock & vibration resistance



# EDAC

For More Information

[edac.net](http://edac.net)



## EDAC

161 Alden Road  
Unit 7 & 8  
Markham, Ontario  
Canada  
L3R 3W7  
Tel: +1 416 754 3322  
E-mail: [support@edac.net](mailto:support@edac.net)

## EDAC Europe

12 Fleming Close,  
Park Farm North,  
Wellingborough,  
United Kingdom  
NN8 6UF  
Tel: (44) 1933-427300  
Fax: (44) 1933-677611  
E-mail: [enquiries@edaceurope.net](mailto:enquiries@edaceurope.net)

Established in 1966, EDAC soon became a world leader in providing connectors for card edge and rack and panel applications. Since then, we have expanded our product offering to include one of the widest ranges of interconnect solutions in the world. Products include D-Sub, RJ45, USB, HDMI, inline plug and socket, headers, spring loaded pogo pin, and waterproof connectors. Cable assemblies and custom solutions are also available. Our innovation guides us into new customer opportunities as we challenge the status quo. This belief resonates throughout the organization and results in exceptional quality service globally.



Connect With Us . . . Experience Makes The Difference