

Introduction

The CviLux CU System includes USB, Mini USB, IEEE 1394 and DVI connectors; they can be used as a low cost, high-speed way to interconnect peripheral devices.

The USB System is a complete interconnection technology with Plug and Play capability for I/O devices, including: keyboards, mice, game ports, serial port devices, digital audio, printers, scanners, modems, joy sticks, and other telecommunication devices.

They were designed for outside-of-box, the system consists of a single 4-position boardmount receptacle and plug for over molded cable assemblies. Board mount receptacles are available in standard Type A and B, stacked Type A configurations adding to the system's versatility to meet all USB applications. They provide bi-directional, simultaneous signals for full speed 12 mbps or for low speed 1.5 mbps used in Universal Serial Bus (USB) Systems.

The IEEE 1394 series perform high-speed way for connection between peripheral devices, This product has been implemented in applications connecting video cameras to PC's and set top boxes for home entertainment systems.

The DVI connector supports both analog and digital signals with excellent EMI/RFI performance, it supports up to 4.95 Gbps over a single link and 9.9 Gbps over a dual link and provide plug and play interface.

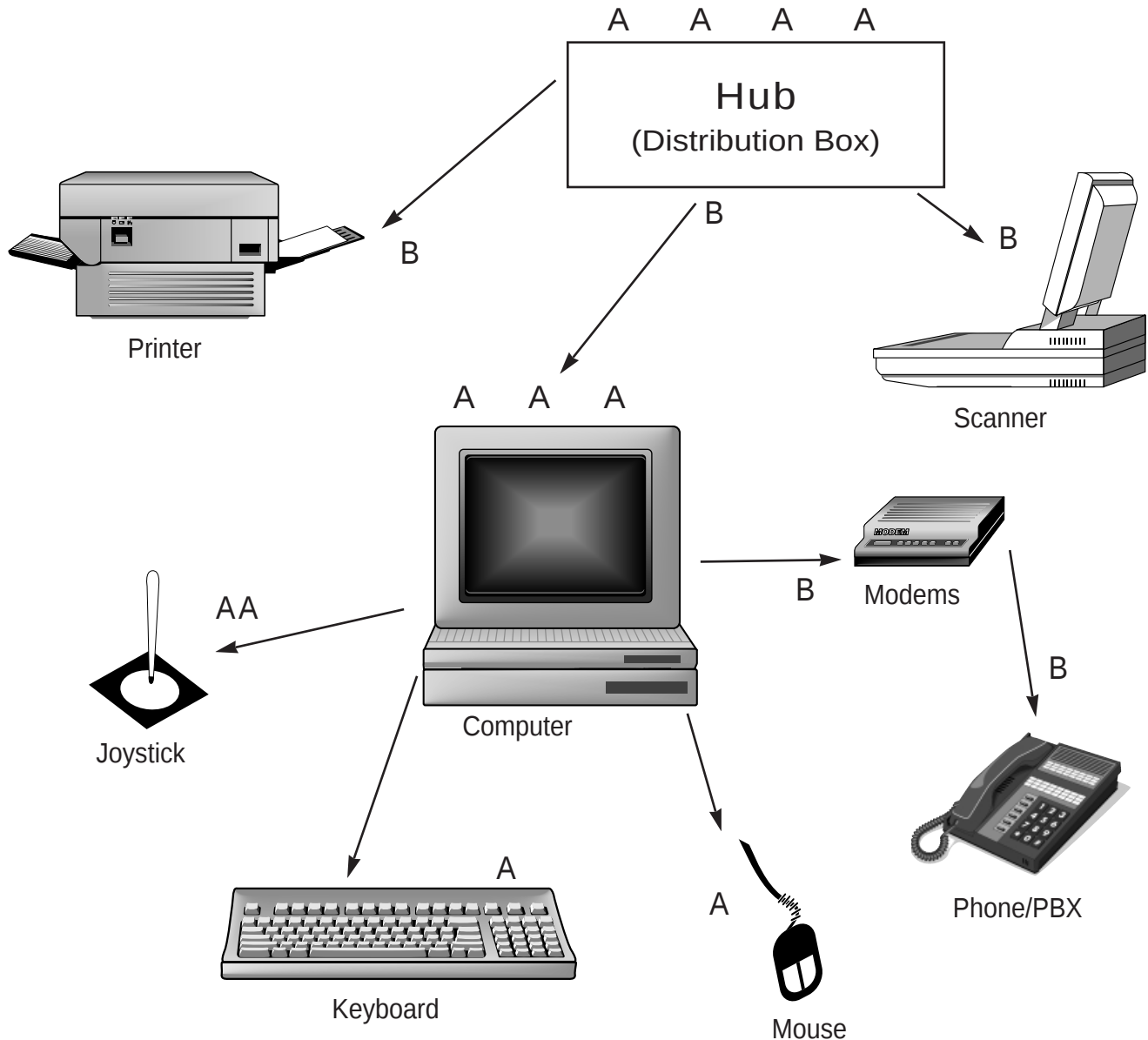
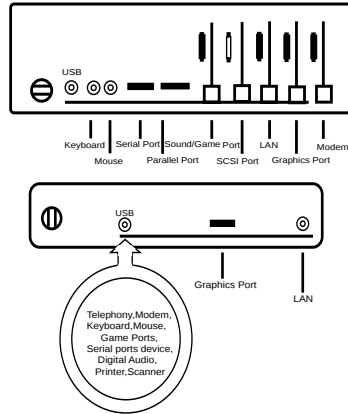
All above connector with hot plug able feature permits attaching or detaching peripherals without power down or reboot.

Universal Serial Bus (USB) Connector

CviLux's Type A Cable assemblies: 2C/AWG #28+2C/AWG#24

Universal Serial Bus Applications			
TYPE A		TYPE B	
For applications which the external cable is permanently attached on devices		For applications that require detachable external cables	
Fully rated speed of 12Mbps, it is requires used of shielded cable		Apply for double ended connector with cable assemblies	
Lower cost and lower speed, A sub-channel at 1.5Mbps allows use of unshielded cabling		Type A and B can not be interchange	
Applications			
TYPE A		TYPE B	
Computer	Keyboard	Printer	Modems
Mouse	Hubs	Scanner	Stand alone hub

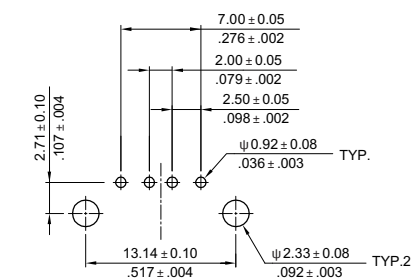
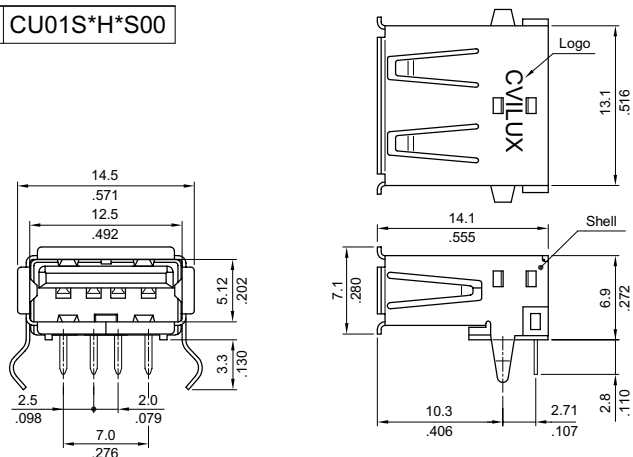
PC CONNECTIVITY VISION WITH USB



- Ⓞ 4 position shielded receptacle connector
- Ⓞ DIP Straight angle through hole
- Ⓞ 2mm centerline and 2.5mm centerline power contacts
- Ⓞ High durability and long cycle life

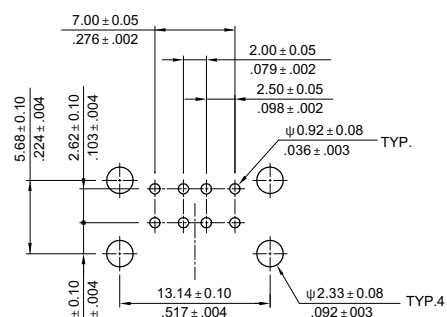
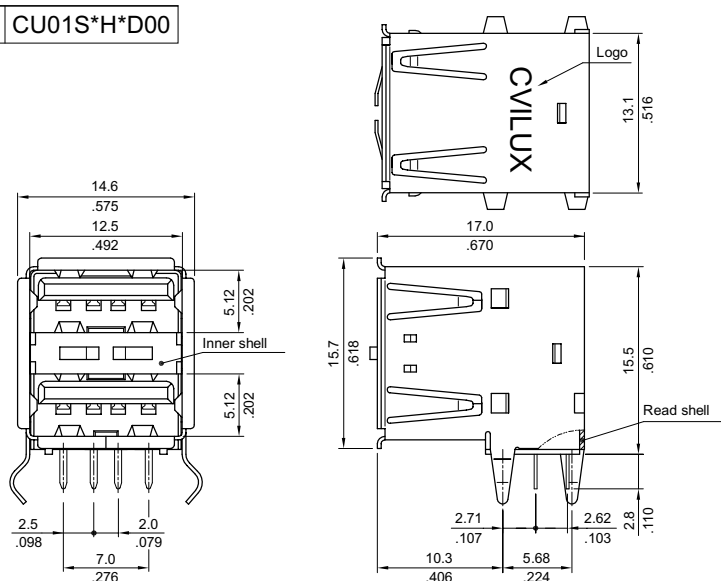


P/N	CU01S*H*S00
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Recommended P.C. Board Layout

P/N	CU01S*H*D00
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Recommended P.C. Board Layout

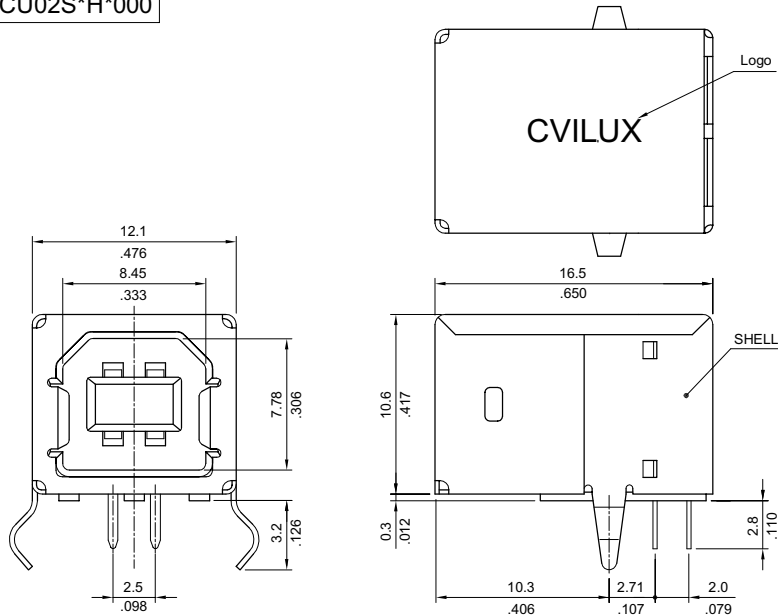
① CU 0 1 ② S ③ A ④ H ⑤ 1 ⑥ S ⑦ 0 0

- *Special option Consult manufacturer

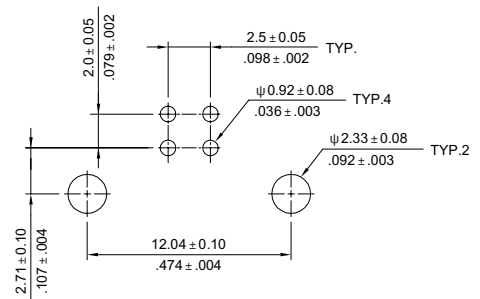
CU02 Series USB Type-B Right Angle Receptacle Connector

- ◎ 4 position shielded receptacle connector
- ◎ DIP Straight angle through hole
- ◎ 2mm centerline and 2.5mm centerline power contacts
- ◎ High durability and long cycle life

P/N CU02S*H*000



:E159616

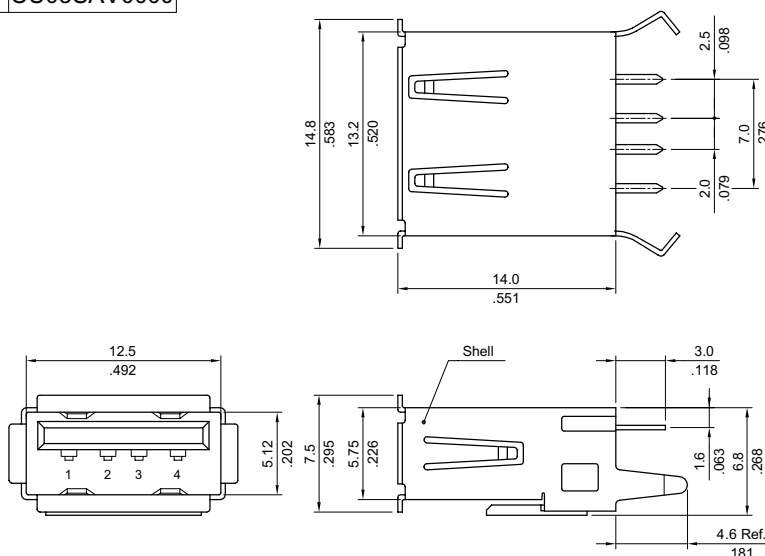


Recommended P.C. Board Layout

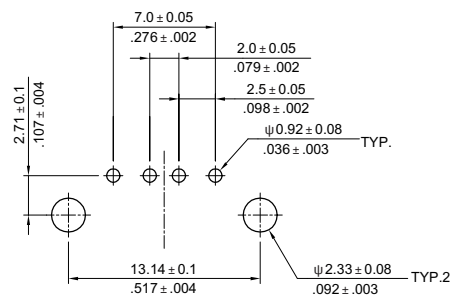
CU03 Series USB Type-A Straight DIP Receptacle Connector

- ◎ 4 position shielded receptacle connector
- ◎ DIP Straight angle through hole
- ◎ 2mm centerline and 2.5mm centerline power contacts
- ◎ High durability and long cycle life

P/N CU03SAV0000



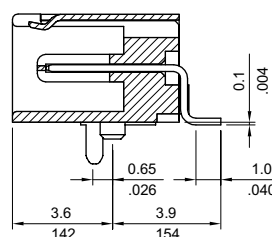
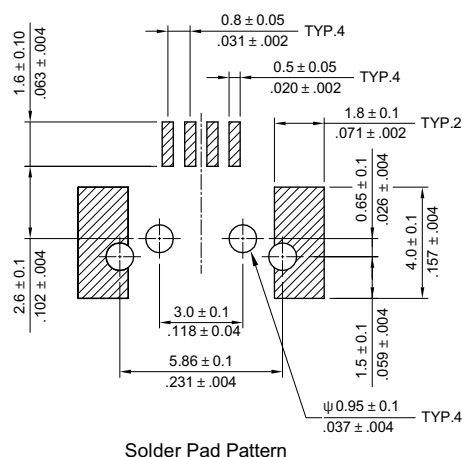
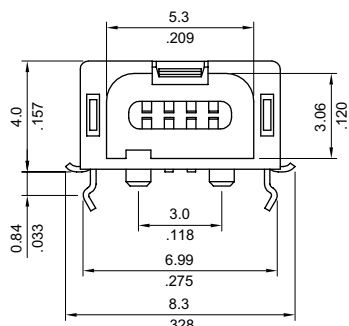
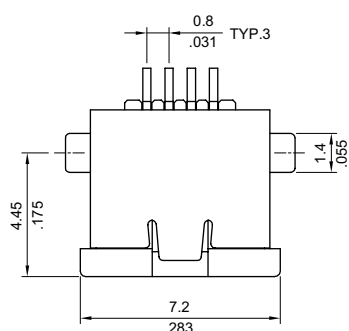
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Recommended P.C. Board Layout

CU04 Series Miniature SMT Universal Serial Bus Receptacle

- ⊙ Size 4 circuits
- ⊙ High temperature plastic for SMT process
- ⊙ Options tube or tape and reel for automated assembly
- ⊙ Side fixed tabs and ground pegs retention to board
- ⊙ Grounding fingers provide locking feature and plug retention



Ordering Code

① ② ③ ④ ⑤ ⑥
CU04 S C M 1 000

① Series No.

② S= Socket

③ Plating code:

A= Selective Gold flash plated over Nickel

B= Selective 15μin Gold plated over Nickel

C= Selective 30μin Gold plated over Nickel

④ Tail style: M = SMT type

⑤ Insulator color:

1= Black

⑥ Options:

000= Standard

*Special option Consult manufacturer

CU

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Recommended P.C. Board Layout

Recommended P.C. Board Layout

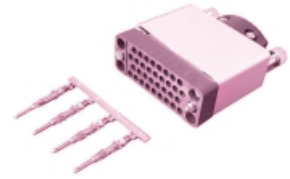
Recommended P.C. Board Layout

① CU 0 5 ② S ③ C ④ H ⑤ 1 ⑥ F ⑦ 0 0

- *Special option Consult manufacturer

CU06 Series V.35 Crimp Clip Plug Connector

- Metal shell and strain relief
- With locking screw
- Options terminal plating available
- Accommodated AWG #24~#26 wire



Ordering Code

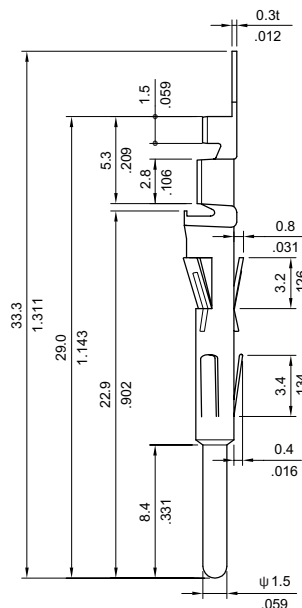
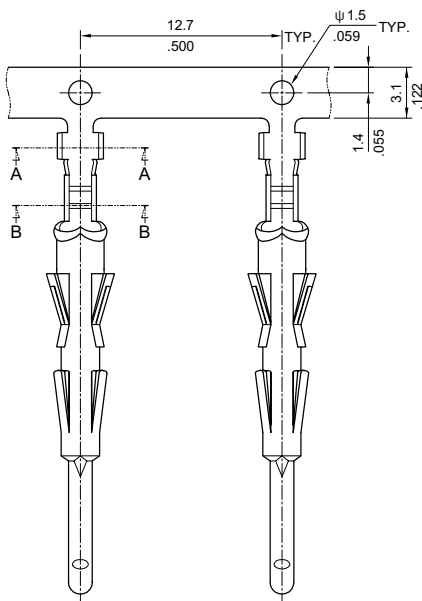
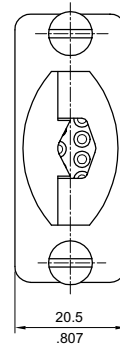
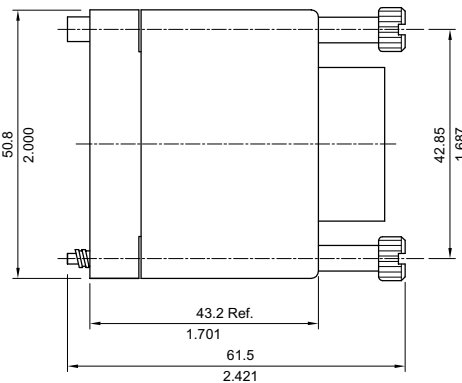
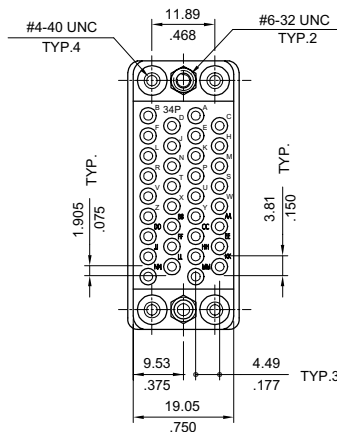
① ② ③ ④
CU06 34 P 0010

- ① Series No.
② No. of Circuits: 34
③ P= Plug Housing
④ Other options:
0010= Standard (Color Black)
*Special option Consult manufacturer

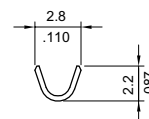
① ② ③ ④ ⑤ ⑥
CU06 T02 2 B P P

- ① Series No.
② Type : T02 = AWG #24~#26
③ Plating code:
2= Gold flash plated over Nickel
3= 15μin Gold plated over Nickel
4= 30μin Gold plated over Nickel
④ Material: B= Brass
⑤ Plating method: P= Post Plating
⑥ Other options: P= Plug Terminal

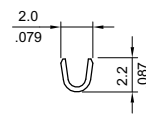
P/N CU0634P0010



Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CU06T02*BPP	AWG #24~#26	1.50 (.059) MAX.	2,500 PCS



SEC.: A-A



SEC.: B-B

CU06 Series V.35 Crimp Clip Receptacle Connector

- Metal shell and strain relief
- With locking screw
- Options terminal plating available
- Accommodated AWG #24~#26 wire



Ordering Code

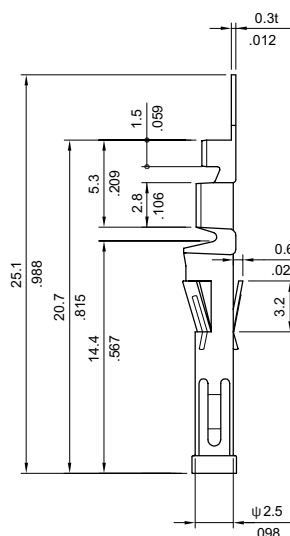
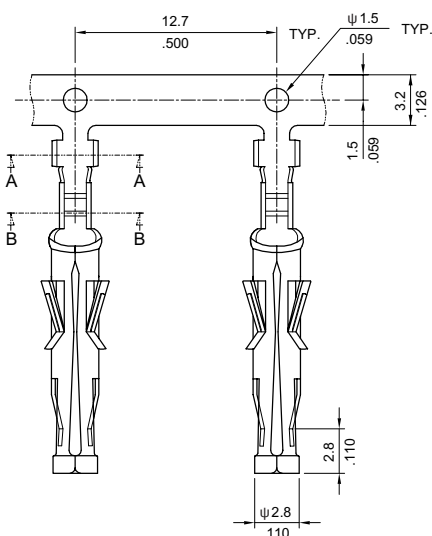
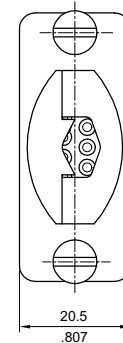
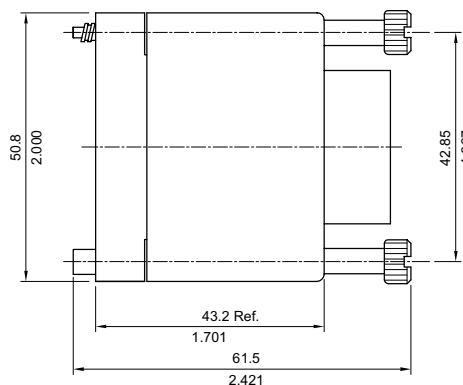
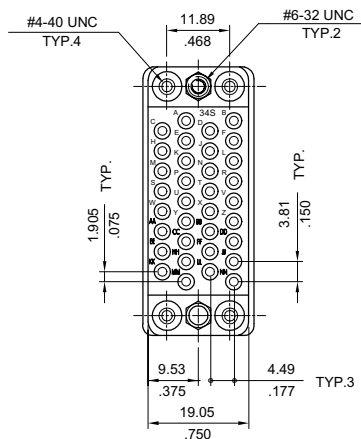
① ② ③ ④
CU06 34 S 0010

- ① Series No.
② No. of Circuits: 34
③ S= Receptacle Housing
④ Other options:
0010= Standard (Color Black)
*Special option Consult manufacturer

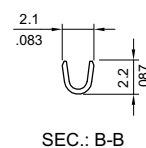
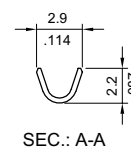
① ② ③ ④ ⑤ ⑥
CU06 T02 2 P P S

- ① Series No.
② Type : T02 = AWG #24~#26
③ Plating code:
2= Gold flash plated over Nickel
3= 15µin Gold plated over Nickel
4= 30µin Gold plated over Nickel
④ Material: P= Phosphor Bronze
⑤ Plating method: P= Post Plating
⑥ Other options: S= Receptacle Terminal

P/N CU0634S0010



Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CU06T02*PPS	AWG #24~#26	1.50 (.059) MAX.	2,500 PCS



CU06 Series V.35 PCB DIP Type Receptacle Connectors

- With locking screw
- Can be used CU06 Crimp clip terminal
- Insulator: PBT UL 94V-0, Color Black

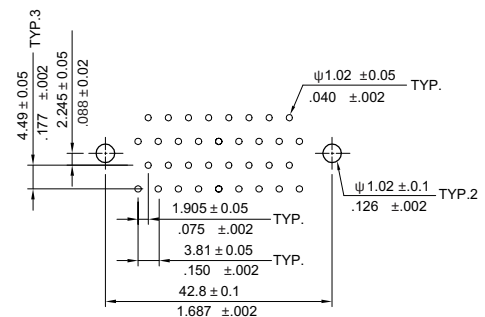
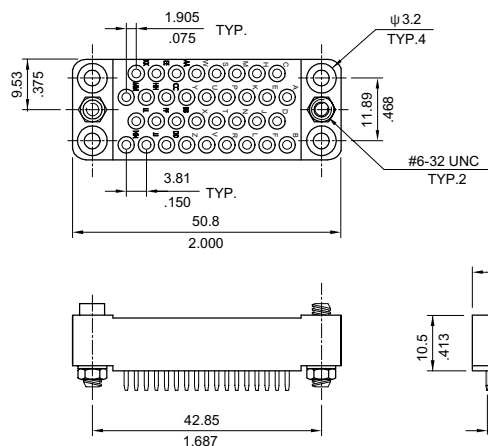


Ordering Code

① **CU06** ② **34** ③ **S** ④ **A** ⑤ **V** ⑥ **10**

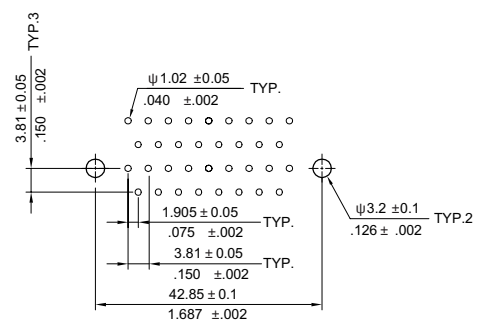
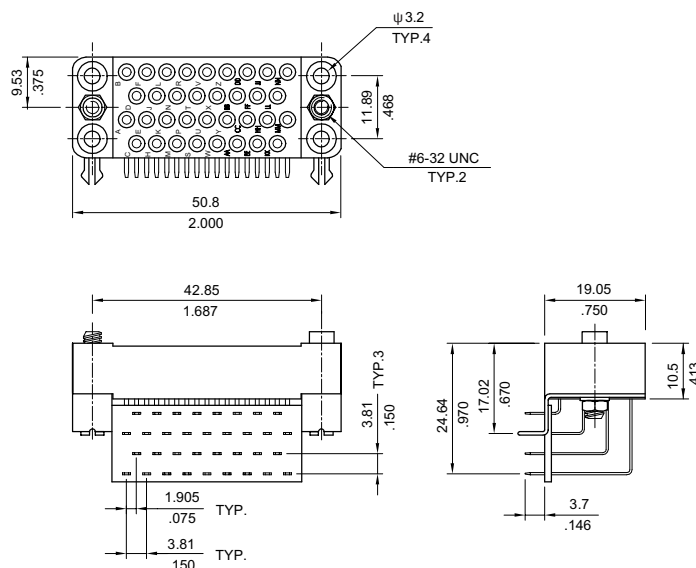
- | | | |
|-------------------------|--|--------------------------------------|
| ① Series No. | ④ Plating code: | ⑤ Style: |
| ② Contacts: 34 | A= Selective Gold flash plated over Nickel | V= Straight; H= Right angle |
| ③ Contact type: | B= Selective 15μin Gold plated over Nickel | ⑥ Other option: |
| S= Receptacle Connector | C= Selective 30μin Gold plated over Nickel | 10= Standard (Color Black) |
| | | *Special option Consult manufacturer |

P/N CU0634S*V10



Recommended P.C. Board Layout

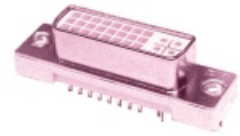
P/N CU0634S*H10



Recommended P.C. Board Layout

CU07 Series DVI Straight Digital/Analog Visual Interface Receptacle Connector

- With ground retention to board
- EMI/RF1 shielding and positive polarization
- Supports both digital and analog signals
- The contact design supports 4.95 Gbps over a single link and 9.9 Gbps over a Dual link
- Mates DVI Standard interface Plug
- The coax section supports a high-bandwidth of 2.5 GHz analog signal



Ordering Code

- | | | | | | | |
|--------------|--|--|---|-------------------------|--|--|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ |
| CU07 | 29 | S | A | V | I | G |
| ① Series No. | ② Contacts:
Digital type: 24= 24+Key
Integrated type: 29= 24+4+1 | ③ Contact type:
S= Receptacle Connector | ④ Plating code:
A= Selective Gold flash plated over Nickel
B= Selective 15μin Gold plated over Nickel
C= Selective 30μin Gold plated over Nickel | ⑤ Style:
V= Straight | ⑥ Product type : I= Integrated type
D= Digital type | ⑦ Other option:
G= #4-40 UNC Hex jack screw
F= #4-40 UNC Threaded insert
*Special option Consult manufacturer |

