

UNIVERSAL SERIAL BUS CONNECTORS



DESCRIPTION

The Amphenol UE27 and UE28 Series is a complete RoHS compliant interconnect solution designed in accordance with Universal Serial Bus Specification Version 2.0. USB is a suitable alternative for the various input/output interfaces used on personal computers and other consumer electronics, providing a single interface for all of your peripherals with the convenience of plug-and-play.

FEATURES

- Designed to USB specification version 2.0
- Plug-and-play eliminates the need to shut down the system to make modifications
- Metal shell for EMI shielding
- 4 position connector with 2mm centerline signal and 2.5mm centerline power contacts
- Connector is polarized for proper termination
- Can be used with asynchronous and isochronous data transfer methods, supports data rates up to 480 Mbps
- RoHS compliant
- Outer power contact positions accept 20-24 AWG wire
- Signal contact positions accept 26-28 AWG wire
- High temperature material (<260° C) is available on select versions

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Housing Flammability Rating:	UL 94V-0
Housing Material:	Thermoplastic
Shell Plating:	Nickel over Copper alloy
Shell Material:	Copper alloy
Solder Tail Plating:	Tin over Nickel

ELECTRICAL CHARACTERISTICS

Voltage Rating:	30 Vac (rms)
Current Rating:	1 Amp maximum per contact
Dielectric Withstanding Voltage:	750 VAC at sea level
Insulation Resistance:	1000 M Ω
Capacitance:	2 pF maximum
Contact Resistance:	30 m Ω maximum

MECHANICAL CHARACTERISTICS

Durability:	1500 mating cycles
Mating Force:	35 Newtons maximum
Unmating Force:	10 Newtons minimum

ENVIRONMENTAL CHARACTERISTICS

Temperature Rating:	-55 to 85 degrees C
---------------------	---------------------

APPLICATIONS

- PC/ Laptop
- Digital Camera
- MP3 Player
- Router
- Modem
- Printer
- Switch
- Car/ Home Audio
- Set-Top Box

CONTACT REEL SIZE

- Crimp 20-24 AWG: 10,000 contacts
- Crimp 26-28 AWG: 20,000 contacts

CRIMP CONTACTS ARE NO LONGER AVAILABLE

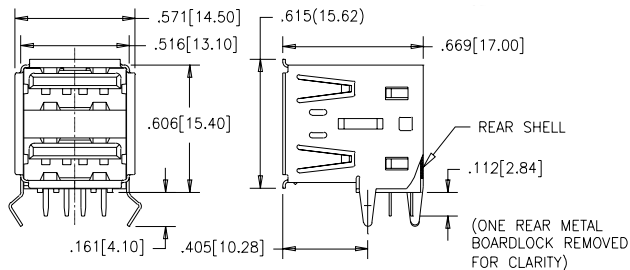
TYPE A RECEPTACLE



UE27-ACX4-XXX



RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)



UE27-ASX4-XXX



RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)



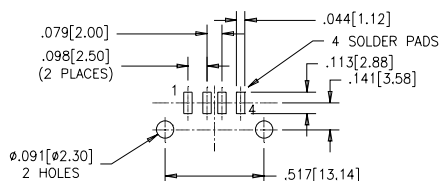
UE27-AEX4-XOX



RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)



UE27-AMX4-XOH



RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)

TYPE B RECEPTACLE

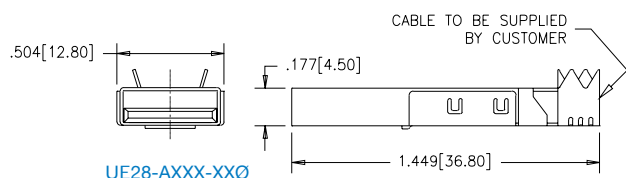


UE27-BCX4-XXX



RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)

TYPE A PLUG



UE28-AXXX-XXØ

TYPE B PLUG



UE28-BXXX-XXØ

CONTACTS (CRIMP) No Longer Available



UE28-CKXØ-ØØØ



Specifications subject to change without notice. Contact factory for latest specifications



Commercial Products

605 Milner Ave.
Toronto, Ontario
Canada M1B 5X6

Telephone: (416) 754-5656
Facsimile: (416) 754-8668
E-Mail: sales@amphenolcanada.com
Website: www.amphenolcanada.com

© Amphenol Canada Corp.
Specifications subject to change without notice.
Printed in Canada 08/98 (Electronically modified 04/07)

Designed by K. Jasper Marketing Communications Inc.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

[UE78A11140062H](#) [UE78A41140D62H](#) [UE78A41100D52H](#) [UE78A11130062H](#) [UE78A41140D31H](#)
[UE78A61140D52H](#) [U78A21140D41H](#) [UE78A11180061H](#) [UE78A11130D32H](#) [UE78A11140D21H](#) [UE78A41100D51H](#)
[UE78A41140D52H](#) [UE78A41100D31H](#) [UE78A21140052H](#) [UE78A11180D52H](#) [UE78A61100031H](#)
[UE78A21140D61H](#) [UE78A21100032H](#) [U78A11180D12H](#) [UE78A41100061H](#) [UE78A11140D51H](#) [UE78A11120D61H](#)
[UE78A21140D21H](#) [U78A41140012H](#) [U78A61140D41H](#) [UE78A41100031H](#) [UE78A11130032H](#) [UE78A21140062H](#)
[UE78A61140D51H](#) [UE78A11120031H](#) [UE78A11180022H](#) [UE78A61140D62H](#) [UE78A21100D52H](#) [UE78A41140061H](#)
[UE78A11180062H](#) [UE78A11140052H](#) [UE78A41140D51H](#) [UE78A41100051H](#) [UE78A21140D52H](#)
[UE78A21100D51H](#) [U78B11260D111](#) [UE78A11140061H](#) [UE78A41100022H](#) [U78A41100D42H](#) [U78A11180D41H](#)
[U78A21100D41H](#) [UE78A11140032H](#) [UE78A11140021H](#) [UE78A11140022H](#) [U78A41100D41H](#) [U78A41100012H](#)
[UE78A61140D31H](#) [U78A41140D41H](#) [U78A11180D11H](#) [UE78A21100052H](#) [UE78A61100062H](#) [UE78A11180D32H](#)
[UE78A11140D62H](#) [UE78A41140052H](#) [UE78A11130D51H](#) [UE78A41100052H](#) [U78A21140041H](#) [U78B412600111](#)
[U78A41140011H](#) [UE78A11120022H](#) [UE78A11120D21H](#) [UE78A11120D32H](#) [UE78A41100D62H](#) [UE78A11120051H](#)
[UE78A11130D62H](#) [U78A61140042H](#) [U78A11180011H](#) [UE78A11120032H](#) [UE78A61100061H](#) [UE78A11130052H](#)
[UE78A11140D32H](#) [UE78A41140022H](#) [U78A61140D12H](#) [U78A41100011H](#) [UE78A21100D62H](#) [UE78A11120021H](#)
[U78A21100D12H](#) [UE78A61100D31H](#) [UE78A41140051H](#) [UE78A11140D61H](#) [U78A61140012H](#) [U78A11180D42H](#)
[UE78A61140031H](#) [UE78A11130061H](#) [UE78A11120052H](#) [UE78A61140052H](#) [U78A61140D11H](#) [UE78A11120D51H](#)
[UE78A21100D61H](#) [U78A41140D42H](#) [U78B41260D111](#) [UE78A11120D62H](#) [UE78A11120061H](#) [U78A21140D11H](#)
[UE78A61140061H](#)