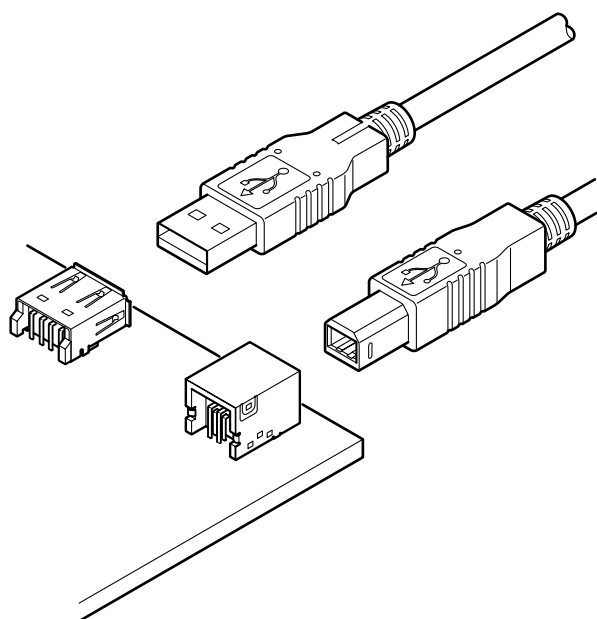


UB CONNECTOR

USB (Universal Serial Bus) Conforming Connector



Features

• **Conforms to USB (Universal Serial Bus) standards**

This connector conforms to the USB standards, that stipulate the serial interface between PC's and their peripherals.
Two types (A & B) are available.

• **Secure EMI shielding effect**

Metal shell of the receptacle and the metal cover of the plug securely shields from EMI. Meshed wires are crimped inside the metal cover of the plug for more reliable shielding effect.

• **Distortion preventive device**

Some receptacles have solder tabs to add additional security against the distortion.

• **SMT configuration**

SMT configuration type A receptacle is also available for reflow soldering.

Specifications

- Current rating: 1.0A AC, DC/ line
- Voltage rating: 30V AC, DC
- Temperature range: -55°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m Ω max.
After environmental testing/max.
10m Ω variation from initial value
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 750V AC/minute
- Applicable wire (Plug): AWG #20 to #28
Insulation O.D./
1.58 to 0.79mm (.062" to .031")
- Applicable cable O.D. (Plug): 5.3 to 3.4mm (.209" to .134")
- * Contact JST if Lead-Free product is required.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

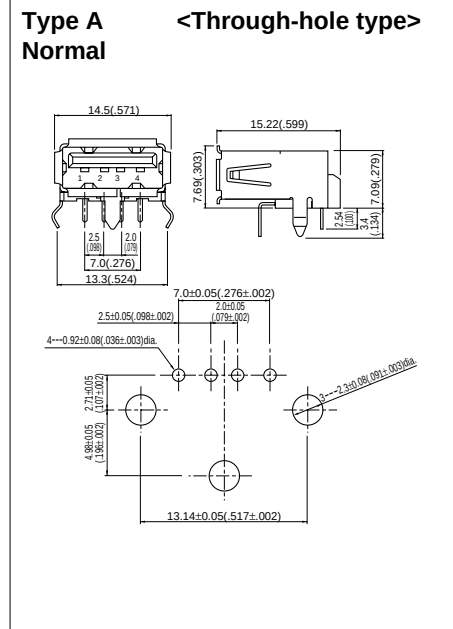
Recognized E60389

Certified LR20812

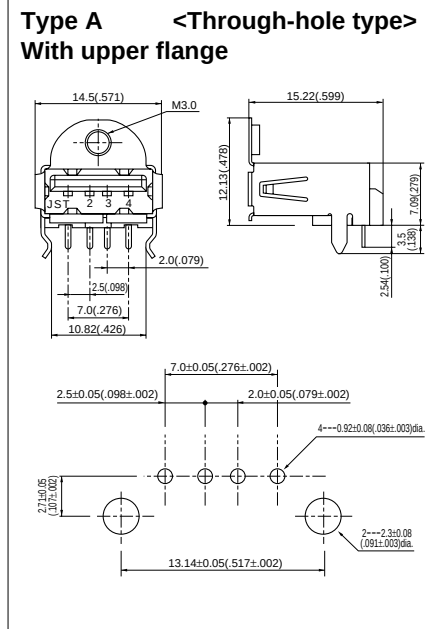
UB CONNECTOR

Receptacle

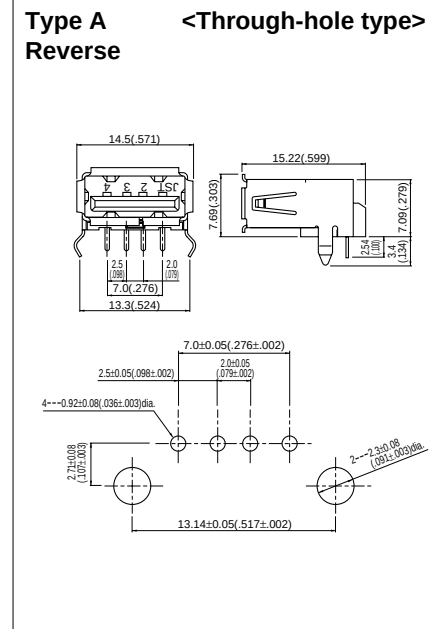
USB2.0 certified product



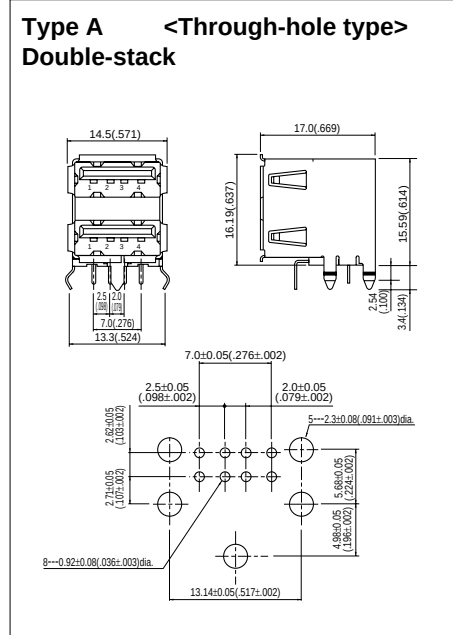
Model No.	Material and Finish	Qty / box
UBA-4R-D14T-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Thermoplastic resin, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	



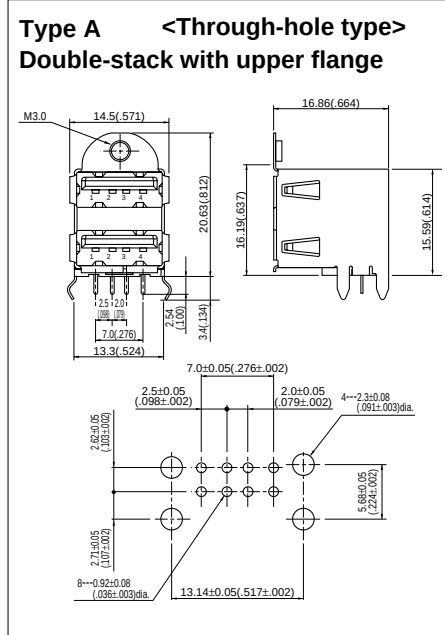
Model No.	Material and Finish	Qty / box
UBA-4R-D14C2	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Thermoplastic resin, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	



Model No.	Material and Finish	Qty / box
UBA-R4R-D14-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Thermoplastic resin, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	



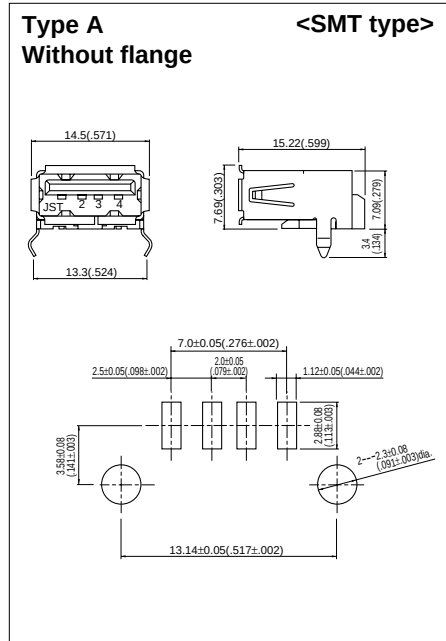
Model No.	Material and Finish	Qty / box
UBA-4RS-D14T-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Thermoplastic resin, UL94V-0
	Locator	
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	



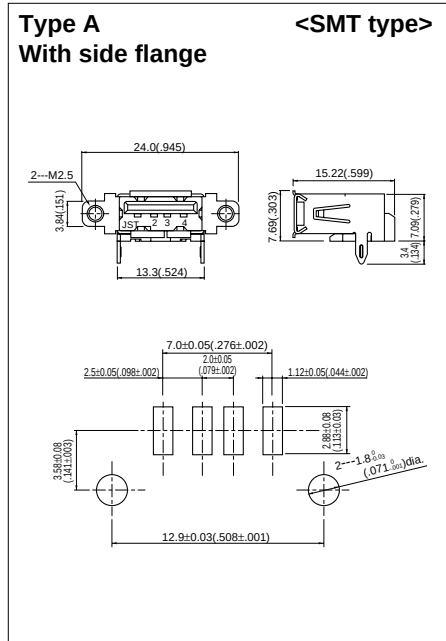
Model No.	Material and Finish	Qty / box
UBA-4RS-D14C	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Thermoplastic resin, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	
	Locator	

Note: The dimensions above should serve as a guideline. Contact JST for details.

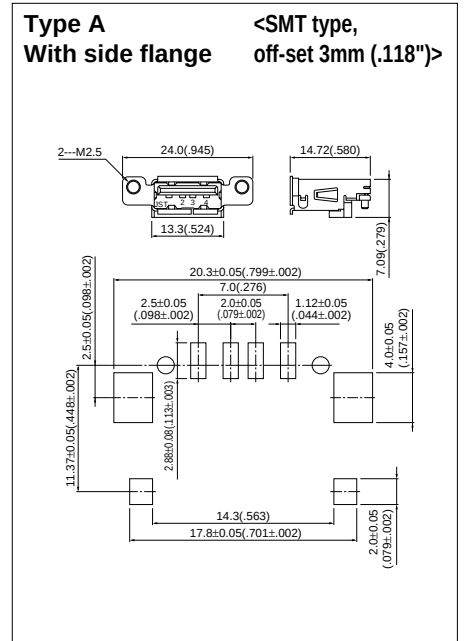
Receptacle



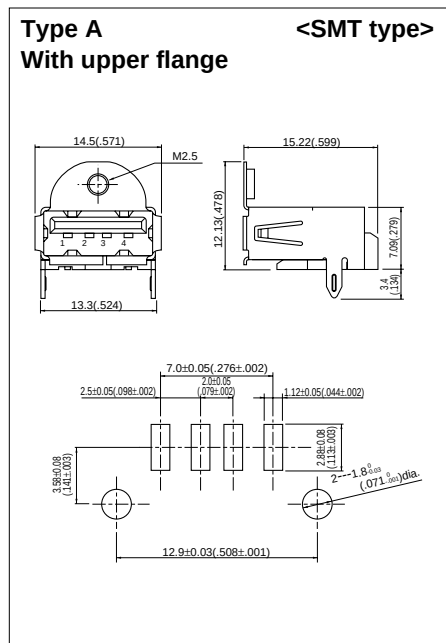
Model No.	Material and Finish	Qty/box
UBA-4R-S14-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	250
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	



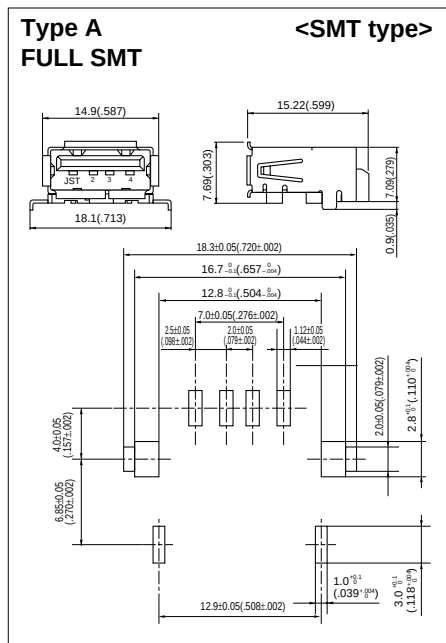
Model No.	Material and Finish	Qty/box
UBA-4R-S14A-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	192
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	



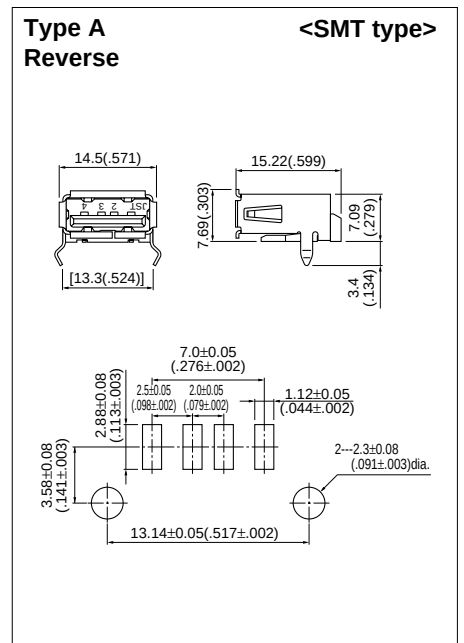
Model No.	Material and Finish	Qty/box
UBA-4R-S14B-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	378
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	



Model No.	Material and Finish	Qty/box
UBA-4R-S14C-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	216
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	



Model No.	Material and Finish	Qty/box
UBA-4R-S14H-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	-
	Housing Thermoplastic resin, UL94V-0	
	Locator	
	Shell Copper alloy,	
	Solder tab tin/nickel-plated	



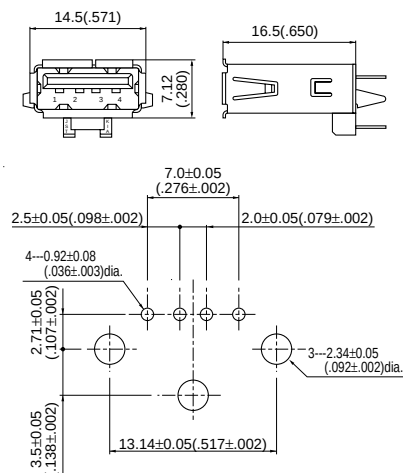
Model No.	Material and Finish	Qty/box
UBA-R4R-S14-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	250
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	

Note: The dimensions above should serve as a guideline. Contact JST for details.

UB CONNECTOR

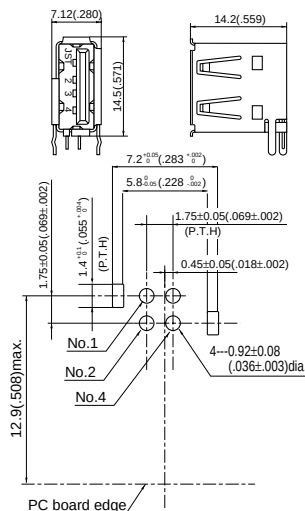
Receptacle

Type A <Through-hole type>
Straight, normal



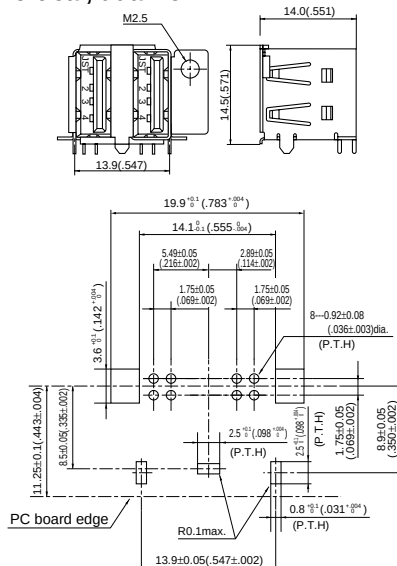
Model No.	Material and Finish	Qty / box
*UBAS-4R-D14D	Contact Copper alloy, nickel-undercoated, selective gold-plated	250
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	

Type A <Through-hole type>
Vertical, normal



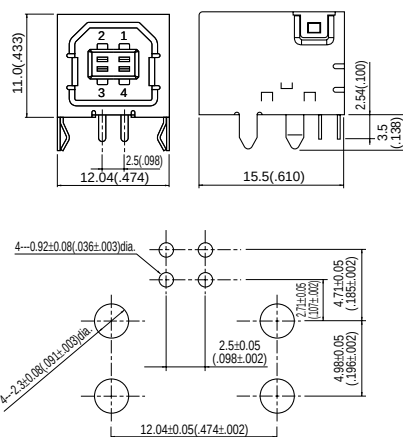
Model No.	Material and Finish	Qty / box
*UBAL-4R-D14-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	350
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	

Type A <SMT type>
Vertical, dual-row



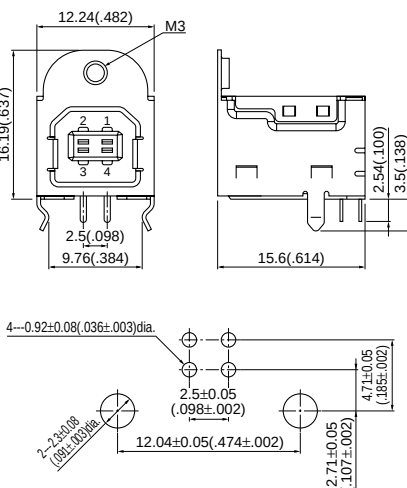
Model No.	Material and Finish	Qty / box
*UBAL-4RS-D14K-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	105
	Housing Thermoplastic resin, UL94V-0	
	Shell A Copper alloy, tin/nickel-plated Shell B Copper alloy, copper-undercoated, tin/lead-plated	

Type B <Through-hole type>
Normal



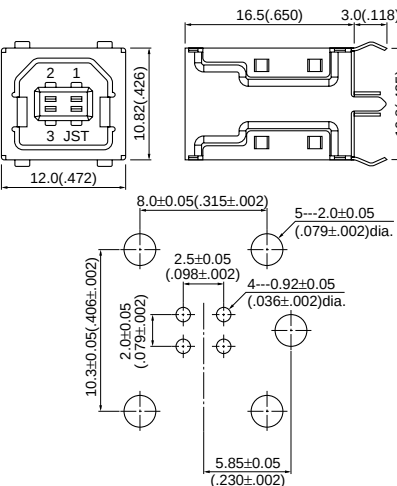
Model No.	Material and Finish	Qty / box
UBB-4R-D14T-1	Contact Copper alloy, nickel-undercoated, selective gold-plated	270
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	

Type B <Through-hole type>
With upper flange



Model No.	Material and Finish	Qty / box
UBB-4R-D14C	Contact Copper alloy, nickel-undercoated, selective gold-plated	270
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	

Type B <Through-hole type>
Straight



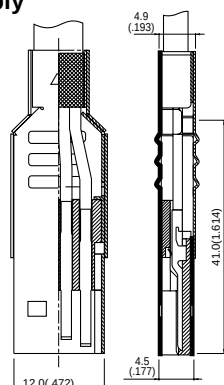
Model No.	Material and Finish	Qty / box
*UBBS-4R-D14	Contact Copper alloy, nickel-undercoated, selective gold-plated	600
	Housing Thermoplastic resin, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	

Note: 1. The dimensions above should serve as a guideline. Contact JST for details.
2. *Marked products are not CSA certified.

Plug type A

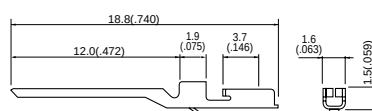
USB2.0 certified product

Assembly



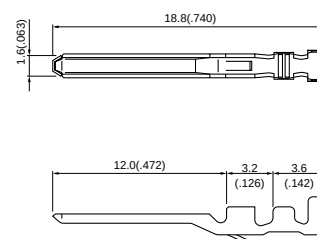
Model No.
UBA-P*14

Contact (Solder pot type)



Model No.	Material and Finish	Q'ty / reel
UBB-DP214	Copper alloy, nickel-undercoated, selective gold-plated	12,000

Contact (Crimp type)

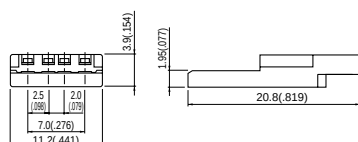


Model No.	Applicable wire		Q'ty / reel
	AWG#	Insulation O.D. mm(in.)	
UBB-SP1114	24 to 20	1.03 to 1.58(.041 to .062)	10,000
UBB-SP2114	28 to 24	0.79 to 1.17(.031 to .046)	12,000

Material and Finish	
Copper alloy, nickel-undercoated, selective gold-plated	

Note: Not CSA certified.

Housing



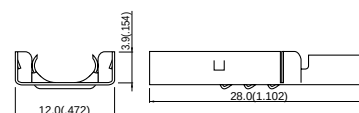
Model No.	Material	Q'ty / box
UBA-PH4-1	Glass-filled PBT, UL94V-0	500

Shielding cover A



Model No.	Material and Finish	Q'ty / box
UBA-SC4A	Mild steel, copper-undercoated, tin/lead-plated	400

Shielding cover B



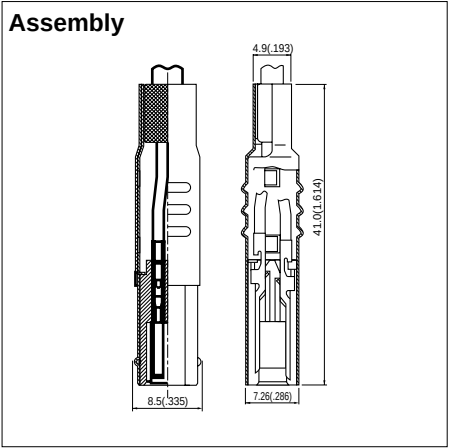
Model No.	Material and Finish	Q'ty / box
UBA-SC4B	Mild steel, copper-undercoated, tin/lead-plated	1,000

Note: USB2.0 certification for UB connector harness is needed separately.

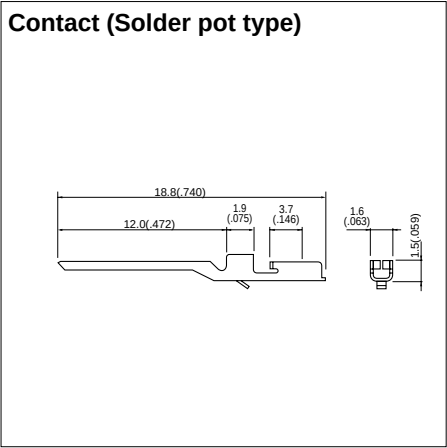
UB CONNECTOR

Plug type B

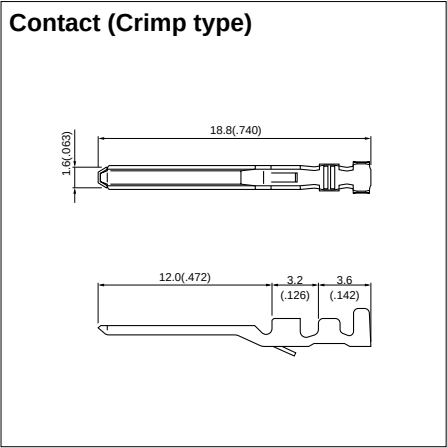
USB2.0 certified product



Model No.
UBB-P*14

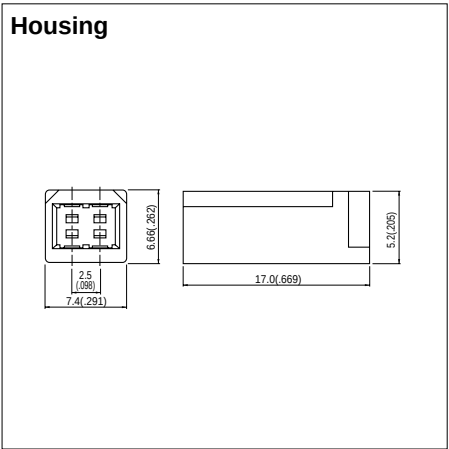


Model No.	Material and Finish	Q'ty / reel
UBB-DP214	Copper alloy, nickel-undercoated, selective gold-plated	12,000

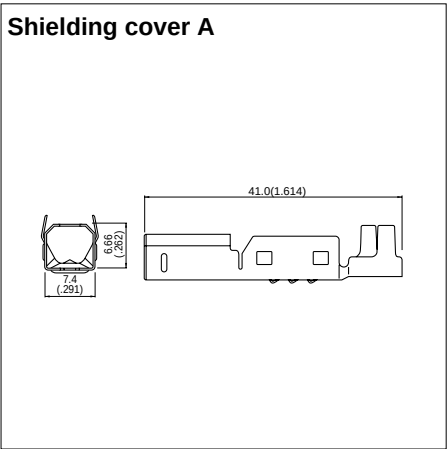


Model No.	Applicable wire		Q'ty / reel
	AWG#	Insulation O.D. mm(in.)	
UBB-SP1114	24 to 20	1.03 to 1.58 (.041 to .062)	10,000
UBB-SP2114	28 to 24	0.79 to 1.17 (.031 to .046)	12,000
Material and Finish			
Copper alloy, nickel-undercoated, selective gold-plated			

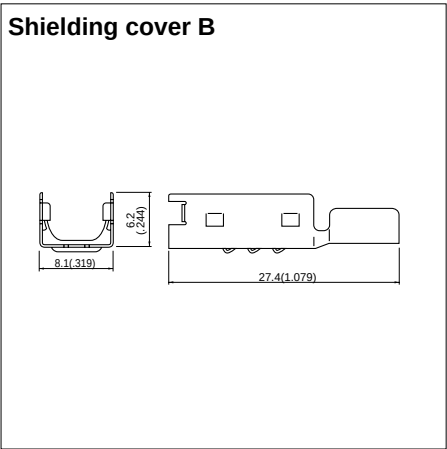
Note: Not CSA certified.



Model No.	Material	Q'ty / box
UBB-PH4-1	Glass-filled PBT, UL94V-0	500



Model No.	Material and Finish	Q'ty / box
UBB-SC4A	Mild steel, copper-undercoated, tin/lead-plated	500



Model No.	Material and Finish	Q'ty / box
UBB-SC4B	Mild steel, copper-undercoated, tin/lead-plated	1,000

Note: Contact JST for USB2.0 standards.

Applicator for the semi-automatic press AP-K2N -----

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
UBB-SP1110	APLMK UBB-SP11	APLNC UBB-SP11	–	–	–
UBB-SP2110	APLMK UBB-SP21	APLNC UBB-SP21	–	–	–