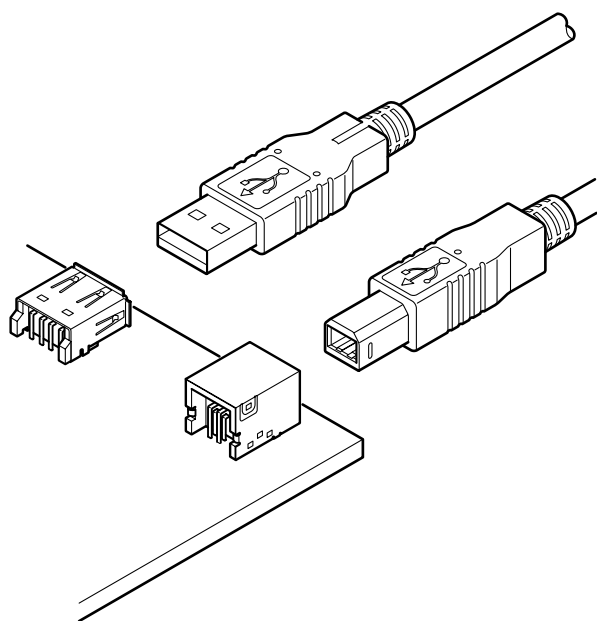


UB CONNECTOR

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")
- Applicable PC board thickness (Receptacle):
1.6mm (.063")

* Contact JST for details.

Standards

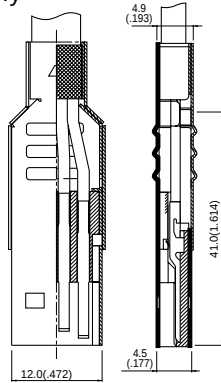
 Recognized E60389

 Certified LR20812

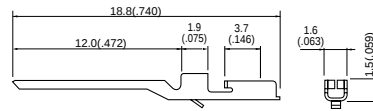
UB CONNECTOR

Plug type A

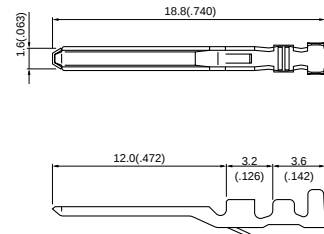
Assembly



Contact (Solder pot type)



Contact (Crimp type)

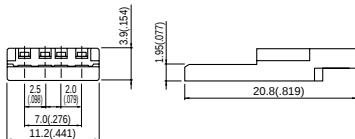


Model No.	Material and Finish	Q'ty / reel
UBB-DP210	Copper alloy, nickel-undercoated, selective gold-plated	12,000

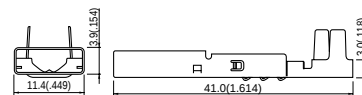
Model No.	Applicable wire		Q'ty / reel
	AWG#	Insulation O.D. mm(in.)	
UBB-SP1110	24 to 20	1.03 to 1.58(.041 to .062)	10,000
UBB-SP2110	28 to 24	0.79 to 1.17(.031 to .046)	12,000

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

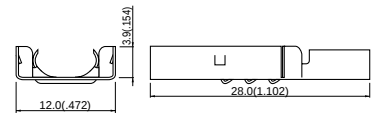
Housing



Shielding cover A



Shielding cover B

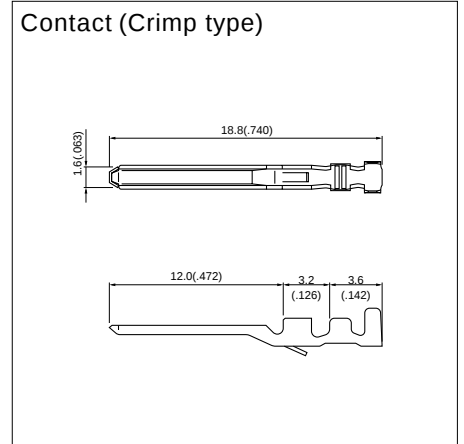
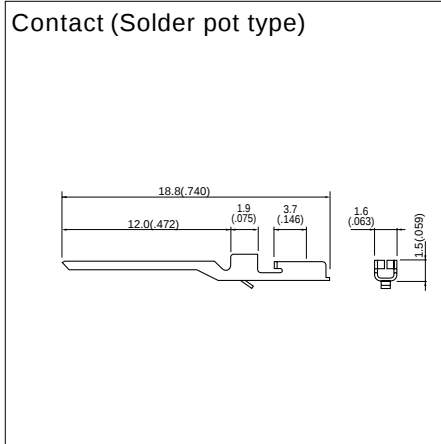
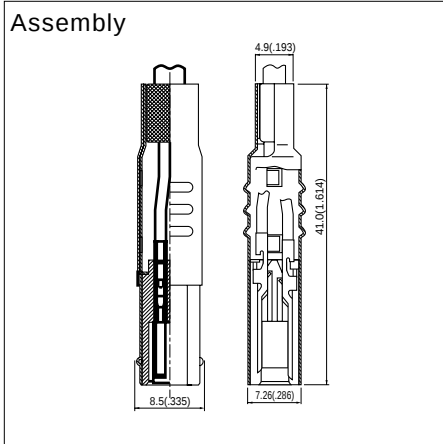


Model No.	Material	Q'ty / box
UBA-PH4-1	Glass-filled PBT, UL94V-0	500

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

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

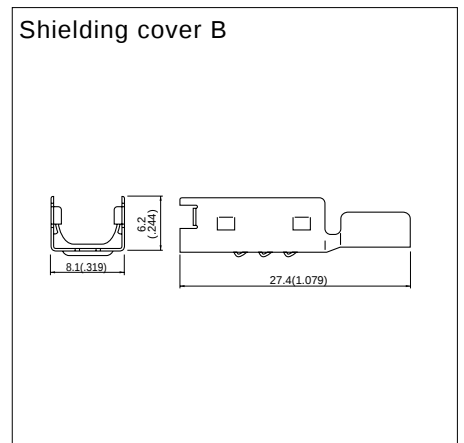
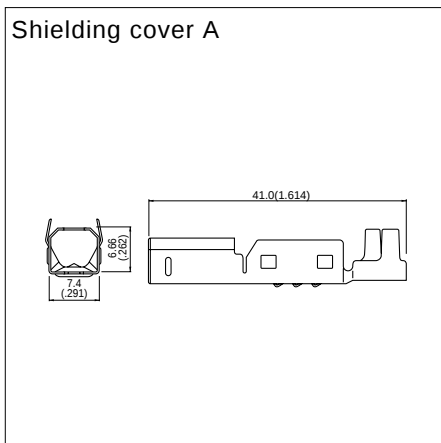
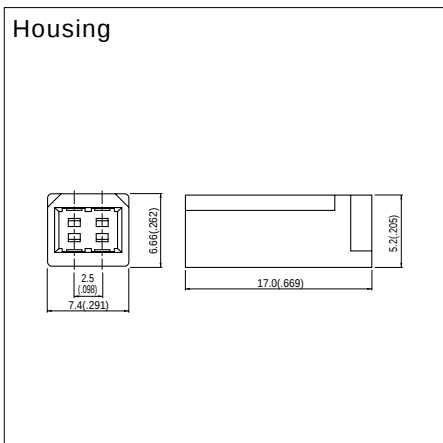
Plug type B



Model No.	Material and Finish	Q'ty / reel
UBB-DP210	Copper alloy, nickel-undercoated, selective gold-plated	12,000

Model No.	Applicable wire		Q'ty / reel
	AWG#	Insulation O.D. mm(in.)	
UBB-SP1110	24 to 20	1.03 to 1.58(.041 to .062)	10,000
UBB-SP2110	28 to 24	0.79 to 1.17(.031 to .046)	12,000

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



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

Applicator for the semi-automatic press AP-K2N

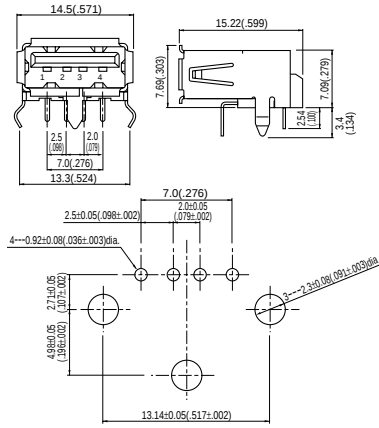
Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
UBB-SP1110	APLMK UBB-SP11	APLNC UBB-SP11	—	—	—
UBB-SP2110	APLMK UBB-SP21	APLNC UBB-SP21	—	—	—

UB CONNECTOR

Receptacle

Type A
Normal

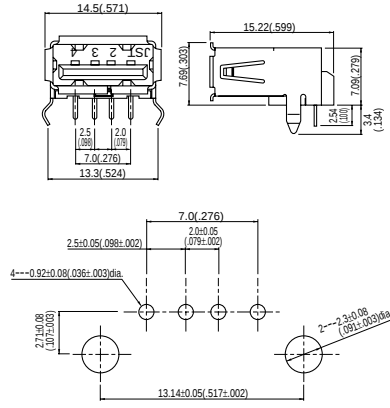
<Through-hole type>



Model No.	Material and Finish	Qty / box
UBA-4R-D10T-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PBT, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	
		250

Type A
Reverse

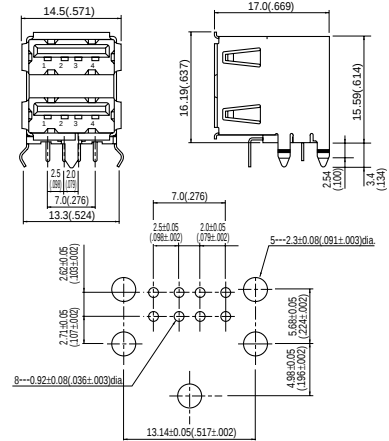
<Through-hole type>



Model No.	Material and Finish	Qty / box
UBA-R4R-D10-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PBT, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
	Solder tab	
		250

Type A
Double-stack

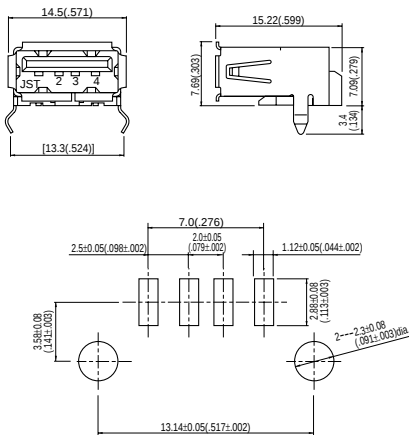
<Through-hole type>



Model No.	Material and Finish	Qty / box
UBA-4RS-D10T-1	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PBT, UL94V-0
	Locator	Glass-filled PBT, UL94V-0
	Shell	Copper alloy, copper-undercoated, tin/lead-plated
		210

Type A
Without flange

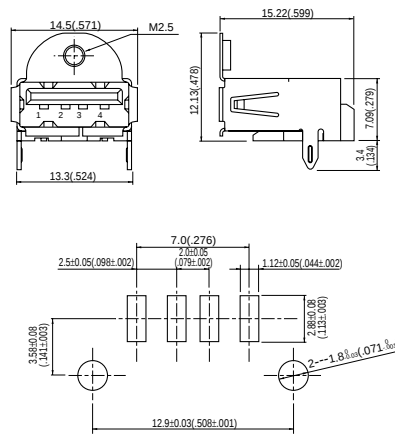
<SMT type>



Model No.	Material and Finish	Qty / box
UBA-4R-S10-2	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, tin/nickel-plated
	Solder tab	
		250

Type A
With upper flange

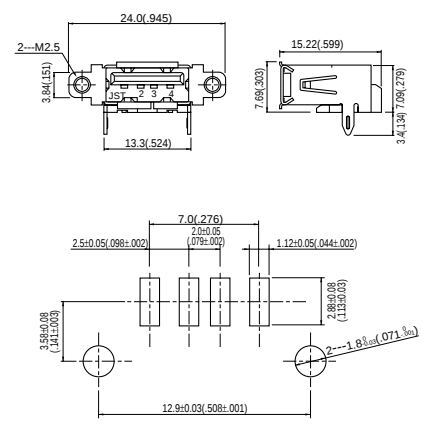
<SMT type>



Model No.	Material and Finish	Qty / box
UBA-4R-S10C-2	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, tin/nickel-plated
	Solder tab	
		216

Type A
With side flange

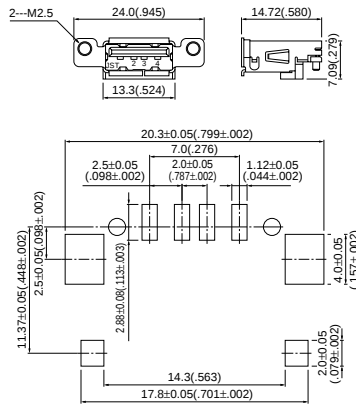
<SMT type>



Model No.	Material and Finish	Qty / box
UBA-4R-S10A-2	Contact	Copper alloy, nickel-undercoated, selective gold-plated
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, tin/nickel-plated
	Solder tab	
		192

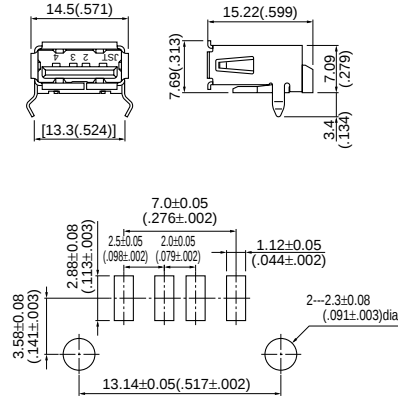
Receptacle

Type A
With side flange
<SMT type, off-set 3mm (.118")>



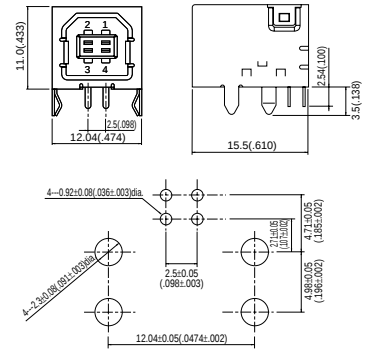
Model No.	Material and Finish	Qty / box
UBA-4R-S10B-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	378
	Housing Glass-filled PPS, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	

Type A
Reverse
<SMT type>



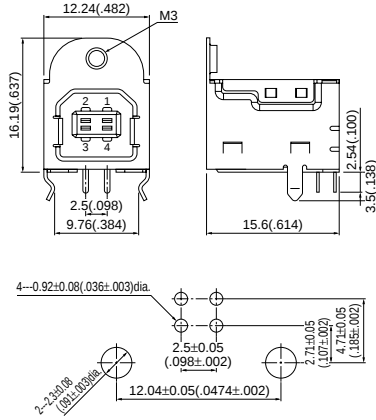
Model No.	Material and Finish	Qty / box
UBA-R4R-S10-2	Contact Copper alloy, nickel-undercoated, selective gold-plated	250
	Housing Glass-filled PPS, UL94V-0	
	Shell Copper alloy, tin/nickel-plated	

Type B
Normal
<Through-hole type>



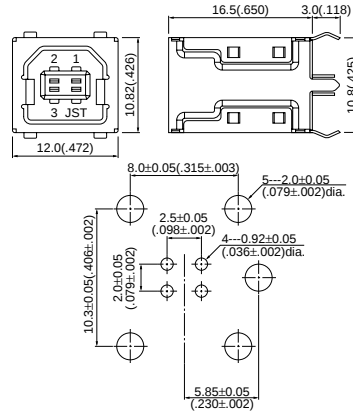
Model No.	Material and Finish	Qty / box
UBB-4R-D10T-1	Contact Copper alloy, nickel-undercoated, selective gold-plated	270
	Housing Glass-filled PBT, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	

Type B
With upper flange
<Through-hole type>



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

Type B
Straight
<Through-hole type>



Model No.	Material and Finish	Qty / box
UBBS-4R-D10	Contact Copper alloy, nickel-undercoated, selective gold-plated	—
	Housing Glass-filled PBT, UL94V-0	
	Shell Copper alloy, copper-undercoated, tin/lead-plated	