

FEATURES AND SPECIFICATIONS



Universal Serial Bus (USB) Shielded I/O Receptacle

Molex offers the USB Type A connectors for the PC market.

The Universal Serial Bus (USB) connector has been one of the most popular I/O connectors for the Personal Computer (PC) industry due to its low cost and hot-plugging feature. Data-access and integration during computer-to-device sharing is seamless. For ease of use, the polarized housing design prevents wrong mating during application.

The Upright Right Angle version of the USB connector is just one part of Molex's extensive range of USB family products. This version was developed for size-sensitive applications. Other available versions are the SMT Right Angle and Right Angle Reverse Mid Mount.

As a member of the USB Implementer Forum, Molex offers a wide range of USB spec-compliant connectors and cable assemblies to ensure a high level of computer and peripheral connectivity and reliability.

48204

**Type 'A', Upright Right Angle,
Reverse Mount**



47504

Type 'A', Right Angle, SMT



48258

**Type 'A', Right Angle, Reverse,
Mid Mount**



88740

Cable Assemblies



Features	Benefits
• Metal shielding on all sides	• Superior shielding against RFI and EMI
• Single piece design	• Easy assembly
• Grounding fingers on shield	• Ground for mating halves
• Beveled Metal Pins	• Provides ground to PCB and strong board retention
• Small footprint	• Less PCB real estate
• Detent lock	• Strong plug retention

SPECIFICATIONS

Reference Information

Packaging: Tray

UL File No.: Pending

CSA File No.: Pending

Mates With: USB 'A' Plug

Designed In: mm

Electrical

Voltage: 30V

Current: 1.0A

Contact Resistance: 30 milliohms Max

Dielectric Withstanding Voltage: 500V AC

Insulation Resistance: 1000 Megohms min.

Mechanical

Mating Force: 35.00N (7.87lb)

Unmating Force: 10.00N (2.25lb)

Durability: 1500 cycles

Physical

Housing: Polyester, High Temperature,
Glass-filled, UL 94V-0

Contact: Phosphor Bronze (CuSn)

Plating:

Contact Area — 0.76 μ m (30 μ "") Gold (Au)

Solder Tail Area — Tin (Sn)

Underplating — Nickel (Ni)

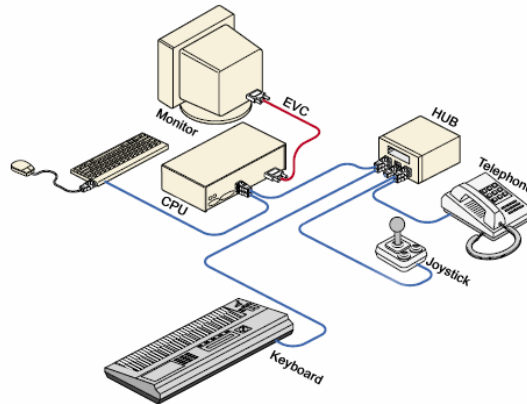
PCB Thickness: 1.6mm (.062")

Operating Temperature: -55°C to +85°C



**Universal Serial Bus (USB)
Shielded I/O Receptacle**

- **Desktop and Notebook PCs**
 - PC Peripherals:
 - Scanner
 - Printer
 - Monitor
 - Modem
 - Keyboard
 - Joystick
 - Mouse
- **Telephony systems**
 - ISDN
 - PBXs
 - Handsets



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ORDERING INFORMATION

Connector

Description	Lead-Free Order No.	Orientation	PCB Retention
Universal Serial Bus (USB) Shielded I/O Receptacle, Type 'A'	<u>47504-0001</u>	Right Angle	SMT
	<u>48204-0001</u>	Upright Right Angle, Reverse Mount	Beveled Metal Pins, Through hole
	<u>48258-0001</u>	Right Angle, Reverse, Mid Mount	

Cable Assembly

Description	Order No	Length	Color
Type 'A' to Mini 'B' Cable Assemblies, USB 2.0 specs (High Speed)	887328500	0.80m (31.52")	White
	887328502	0.80m (31.52")	Black
	887328600	1.00m (39.40")	White
	887328602	1.00m (39.40")	Black
	887328700	1.50m (50.10")	White
	887328702	1.50m (50.10")	Black
	887328800	1.80m (70.92")	White
	887328802	1.80m (70.92")	Black
	887328900	2.00m (78.80")	White
	887328902	2.00m (78.80")	Black



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Cable Assembly

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Cable Assemblies

Description	Order No	Length	Color
Type 'A' to 'B' Cable Assemblies, USB 1.1 specs (Full Speed)	887328000	1.00m (39.40")	White
	887328002	1.00m (39.40")	Black
	887328100	1.80m (70.87")	White
	887328102	1.80m (70.87")	Black
	887329000	0.82m (32.28")	White
	887329002	0.82m (32.28")	Black
	887329100	1.32m (51.97")	White
	887329102	1.32m (51.97")	Black
	887329200	2.09m (82.28")	White
	887329202	2.09m (82.28")	Black
	887329300	3.34m (131.50")	White
	887329302	3.34m (131.50")	Black
	887329400	5.00m (196.85")	White
	887329402	5.00m (196.85")	Black
Type 'A' to 'B' Cable Assemblies, USB 2.0 specs (High Speed)	887329020	0.82m (32.28")	White
	887329120	1.32m (51.97")	White
	887329220	2.09m (82.28")	White



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