

# CONNECTOR PRODUCTS



## Pulse Connectors

Pulse is a leader in the design and manufacturing of RJ45, RJ11 and keystone jack CAT5e/6 connectors. Pulse offers an extensive range of connectors that support a wide variety of applications, such as networking (SFP cage and connector), PC peripheral devices (SATA, USB, IEEE 1394 connectors), telecommunications (IDC connector, patch panel), and consumer electronics (HDMI connector). Pulse offers design support for OEM and ODM customers which reduces development time and ensures seamless integration of design, development, production, and time-to-market.

With manufacturing sites throughout Asia and a global network of sales offices, Pulse understands the importance of performance and time-to-market and provides excellent worldwide logistics and technical support for local and international customers.

For more information and detailed product data sheets, please go to our website at <http://www.pulseeng.com/connectors> or contact your local Pulse sales representative.

### Pulse Connector Attribute Search Instructions

A powerful "attribute" search tool is available on the Pulse website to help you find the connector you need. Just click on the connector link on the landing page, choose the attributes you are looking for. A comparison list will be displayed. The following is a three-step example on how to use this new search engine:

#### Step 1

Go to <http://www.pulseeng.com/connectors> on the Pulse website. This lands the user on the Connectors landing page. Browse the products and the links. For this example, click on the text link below that says "USB Connectors (All PRODUCTS)" as shown here.



### USB Connectors

USB Connector Options (ALL PRODUCTS)

#### Step 2

After clicking the text link, you land on this page (<http://www.pulseeng.com/products/AttributeSearch.aspx?CID=6211>). Shown below is a replication of the attribute search for the USB Connectors, with various "attributes" selected. See white type on black background. For the purpose of this example, continue with the USB TYPE A query by clicking a "SEARCH" button.

Yes, the user can pick another category to search other USB connector options.

### Attribute Search - Connectors

USB Connector Options (ALL PRODUCTS)

-Select Another Category-



Matching Part Numbers: 31

Back to Connectors            Reset Attributes

Attribute	
Connector Type	MINI USB TYPE B ▲ USB TYPE A USB TYPE B ▼
PCB Mount Angle	-No Preference- ▲ SIDE ENTRY TOP ENTRY ▼
Number of Ports	-No Preference- ▲ 1X1 1x3 ▼
Packages	-No Preference- ▲ SMT THT ▼
Connector Material Color	-No Preference- ▲ BLACK BLUE ▼

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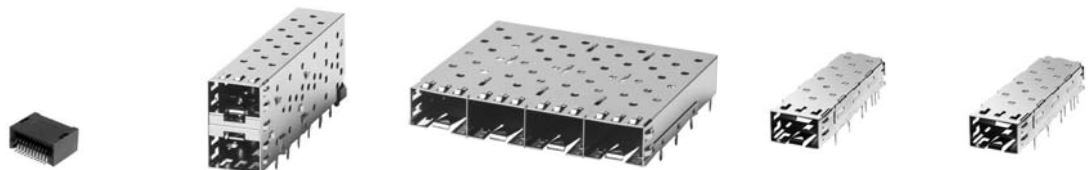
### Step 3

Completing Step 2 will display a series of related connectors for part comparison, showing common and specific features. If there are more than 3 or 4 results, a horizontal scroll bar appears at the bottom of the screen so that all of the search results are displayed. Click on "Download Data Sheet" to review the product details or eliminate unwanted parts by clicking the "X" to make them disappear, leaving the part number(s) that best fit(s) your connector requirements. Both maneuvers can be done in reverse order as needed.

Common Features	
Connector Type	USB TYPE A
PCB Mount Angle	SIDE ENTRY
Number of Ports	1X1
Package	THT
RoHS Compliant	YES - RoHS-6
Shield	FULLY SHIELDED
LED Option	No LEDs



Part Number	E8144-A01321-L	E8144-A01F24-L	E8144-A02524-L	E8144-A11025-L
Data Sheet Link	<a href="#">Download Data Sheet</a>	<a href="#">Download Data Sheet</a>	<a href="#">Download Data Sheet</a>	<a href="#">Download Data Sheet</a>
Remove Part	X	X	X	X
Connector Material Color	WHITE	WHITE	BLACK	BLACK
Solder Temperature	230-240°C 5-10 Seconds	255-265°C 5-10 Seconds	255-265°C 5-10 Seconds	230-240°C 5-10 Seconds
Shield EMI Tabs	—	—	—	NO
Contact Mating Area Plating	Gold 3 μ"	Gold 30 μ"	Gold 30 μ"	Gold 50 μ"
Housing Material	PBT ±30% GF	PBT ±25% GF	PBT ±30% GF	PBT ±30% GF
Dimensions (mm)	7.20 (H) x 14.00(D) x 13.09 (W)	7.20 (H) x 14.00(D) x 13.09 (W)	7.20 (H) x 14.00(D) x 13.09 (W)	6.53 (H) x 14.00(D) x 13.09 (W)



### SFP Cage and Connector for Servers and Routers

Part Number	E81M0-VCYF83-L	E81M0-TCYB91-L	E81M0-WCYFEB-L	SFPCAGE002-L	SFPCAGE005-L
Number of Ports	1X1	2X1	1X4	1X1	1X1
Connector Type	SFP Connector	SFP Cage & Connector	SFP Cage	SFP Cage	SFP Cage
Package	SMT	Press Fit	Press Fit	Press Fit	THT
Solder Temperature	255°C to 265°C 5-10 Seconds	—	—	—	255°C to 265°C 5-10 Seconds
Contact Mating Area Plating	Gold 15 μ"	Gold 3 μ"	—	—	—

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### XFP Cage & Connector

Common Features				
Number of Ports	1X1	1X1	1X1	1X1
PCB Mount Angle	Side Entry	Side Entry	Side Entry	Side Entry
Features				
Part Number	E81N0-YCUDF4-L	XFP001-L	XFP002-L	XFP003-L
Connector Type	XFP Connector	XFP Cage	XFP Cage	XFP Cage
Contact Mating Area Plating	GOLD 30 μ"	—	—	—
Package	SMT	Press Fit	Press Fit	Press Fit
Package Height (mm)	5.17	12.9	15.2	22.2



### HDMI (High Definition Media Interface) Connectors

Common Features				
Number of Ports	1X1	1X1	1X1	1X1
PCB Mount Angle	Side Entry	Side Entry	Side Entry	Side Entry
Solder Temperature	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds
Features				
Part Number	E810K-SB0G14-L	E810K-SAY204-L	E810K-SBY104-L	E810K-SAY104-L
Package	THT	THT	SMT	SMT
Panel Stop	NO	YES	NO	YES
Contact Mating Area Plating	Gold 30 μ"	Gold 30 μ"	Gold 30 μ"	Gold 30 μ"



### SATA Connectors for Data Storage Interfaces

Common Features				
Number of Ports	1X1	1X1	1X1	1X1
Solder Temperature	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds
Features				
Part Number	E8177-71U914-L	E8177-71W914-L	E8177-71W924-L	E8177-71W925-L
Contact Mating Area Plating	GOLD 30 μ"	GOLD 30 μ"	GOLD 30 μ"	GOLD 50 μ"
Package	SMT	SMT	THT	THT
PCB Mount Angle	Side Entry	Top Entry	Top Entry	Top Entry



### RJ Connectors, Single Port, Top Entry, No Shield

Part Number	E5264-Y0L034-L	E5288-300042-L	E5244-7007S2-L	E5266-7007S2-L	E5288-P00B74-L	E5288-7U0BS4-L
Number of Positions	6	8	4	6	8	8
Number of Contacts	4	8	4	6	8	8
Package	THT	THT	SMT	SMT	SMT	SMT
Panel Stop	YES	NO	YES	YES	NO	YES
Contact Mating Area Plating	Gold 30 μ"	Gold 6 μ"	Gold 6 μ"	Gold 6 μ"	Gold 30 μ"	Gold 30 μ"
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	255°C to 265° 5-10 Seconds	255°C to 265°C 5-10 Seconds

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## RJ Connectors, Single Port, Top Entry, Shielded

Part Number	E5288-320045-L	E5288-320B42-L	E5288-RA0C04-L
Number of Positions	8	8	8
Number of Contacts	8	8	8
Package	THT	THT	THT
Shield EMI Tabs	YES	YES	NO
LED Option	No LEDs	No LEDs	Yellow & Green
Contact Mating Area Plating	Gold 50 $\mu$ "	Gold 6 $\mu$ "	Gold 30 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



## RJ Connectors, Multiport, Top Entry

Part Number	E5288-30C142-L	E5288-32C142-L	E5288-30E145-L	E5288-32G142-L	E5288-YCCB02-L
Number of Positions	8	8	8	8	8
Number of Contacts	8	8	8	8	8
Number of Ports	1X4	1X4	1X6	1X8	2X4
Package	THT	THT	THT	THT	THT
Shield Option	No Shield	Nickel Shield	No Shield	Nickel Shield	Nickel Shield
Contact Mating Area Plating	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 50 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



## RJ Connectors, Single Port, Side Entry, Surface Mount (SMT)

Part Number	E5344-HH05Y2-L	E5366-FH05Y2-L	E5388-EH05Y2-L	E5388-UH05V5-L
Number of Positions	4	6	8	8
Number of Contacts	4	6	8	8
Tab	Down	Down	Down	Down
Shield Option	No Shield	No Shield	No Shield	Nickel Shield
Contact Mating Area Plating	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 50 $\mu$ "
Solder Temperature	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Second	255°C to 265°C 5-10 Seconds	255°C to 265°C 5-10 Seconds

SMT - Surface Mount Package THT - Through Hole Package

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RJ Connectors, Single Port Side Entry, Through Hole (THT)

Part Number	E5344-000012-L	E5564-60L122-L	E5388-E00212-L	E5908-000042-L	E5908-150742-L
Number of Positions	4	6	8	10	10
Number of Contacts	4	4	8	8	8
Tab	Down	Up	Down	Down	Down
Shield Option	No Shield	No Shield	No Shield	No Shield	Nickel Shield
Contact Mating Area Plating	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230 to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



RJ Connectors, Multi-Port, 1XN, Side Entry, Through Hole (THT)

Part Number	E5608-00A0R4-L	E5608-00C082-L	E5908-15C344-L	E5908-15G642-L
Number of Positions	10	10	10	10
Number of Contacts	8	8	8	8
Number of Ports	1X2	1X4	1X4	1X8
Tab	Down	Down	Down	Down
Shield Option	No Shield	No Shield	Nickel Shield	Nickel Shield
Contact Mating Area Plating	Gold 30 $\mu$ "	Gold 6 $\mu$ "	Gold 30 $\mu$ "	Gold 6 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230 to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



RJ Connectors, Multi-Port, 2XN, Side Entry, Through Hole (THT)

Part Number	E5908-5V0145-L	E5908-5VA144-L	E5966-57C122-L	E5908-5VC153-L	E5908-0TG0U4-L
Number of Positions	10	10	6	10	10
Number of Contacts	8	8	6	8	8
Number of Ports	2X1	2X2	2X4	2X4	2X8
Shield Option	Nickel Shield	No Shield	Nickel Shield	Nickel Shield	No Shield
Contact Mating Area Plating	Gold 50 $\mu$ "	Gold 30 $\mu$ "	Gold 6 $\mu$ "	Gold 15 $\mu$ "	Gold 30 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	230°C to 240°C 5-10 Seconds

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RJ Connectors, Side Entry with LEDs, Through Hole (THT)

Part Number	E5J88-10L054-L	E5J88-34L022-L	E5J88-44AJ22-L	E5J88-14C022-L	E5J88-A4A0B4-L	E5J88-C4C2B5-L
Number of Positions	8	8	8	8	8	8
Number of Contacts	8	8	8	8	8	8
Number of Ports	1X1	1X1	1X2	1X4	2X2	2X4
LED Option	Yellow & Green	Green & Yellow	Green/Yellow & Green/Yellow	Yellow & Green	Green & Green	Green & Yellow
Tab	Up	Up	Up	Up	—	—
Shield Option	No Shield	Nickel Shield	Nickel Shield	Nickel Shield	Nickel Shield	Nickel Shield
Contact Mating Area Plating	Gold 30 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 6 $\mu$ "	Gold 30 $\mu$ "	Gold 50 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	230 to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



RJ Connectors, CAT. 5, Through Hole (THT)

Part Number	E6588-220722-L	E6588-12A125-L	E6588-22C324-L	E6588-A5M125-L	E6588-A5N125-L	E6588-AARSA4-L
Number of Positions	8	8	8	8	8	8
Number of Contacts	8	8	8	8	8	8
Number of Ports	1X1	1X2	1X4	2X1	2X2	2X4
LED Option	No LEDs	No LEDs	No LEDs	No LEDs	No LEDs	Green & Yellow
Shield Option	Nickel Shield	Nickel Shield	Nickel Shield	Nickel Shield	Nickel Shield	Nickel Shield
Contact Mating Area Plating	Gold 6 $\mu$ "	Gold 50 $\mu$ "	Gold 30 $\mu$ "	Gold 50 $\mu$ "	Gold 50 $\mu$ "	Gold 30 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	255°C to 265°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds



USB Connectors

Part Number	E8144-A01321-L	E8144-K1B024-L	E8144-B01021-L	E828B-2201P2-L
Connector Type	USB Type A	USB Type A	USB Type B	RJ45 over Dual USB Type A
Number of Ports	1X1	2X1	1X1	3X1
PCB Mount Angle	Side Entry	Side Entry	Side Entry	Side Entry
Shield Plating Material	Nickel	Tin	Nickel	Nickel
Connector Material Color	White	Black	Black	Black
Contact Mating Area Plating	Gold 3 $\mu$ "	Gold 30 $\mu$ "	Gold 3 $\mu$ "	Gold 6 $\mu$ "
Solder Temperature	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds	230°C to 240°C 5-10 Seconds

SMT - Surface Mount Package THT - Through Hole Package