



Type A Male



Type A Female



Type B Male



Type B Female

UNIVERSAL SERIAL BUS (USB) CONNECTOR

A Universal Serial Bus (USB) is a staple in interface devices and Grace Engineered Products is your world-wide headquarters for any combination of USB ports. All USB GracePorts® offered are pass-through, 2.0 and 3.0 connectors that do not alter the electrical signal in anyway. Grace offers both Type A and Type B connectors and custom makes every USB GracePort® according to the customer's precise specifications.

Connector Code	USP Type - Front to Back	Gender Outside	Gender Inside
P11	Type A to A with 10' cable	Female	Male
P13	USB-A (3.0) with 10' cable	Female	Male
P15	Type B to B with 6' cable	Female	Male
P19	Type A to B Bulkhead	Female	Female
P22	Type A to A Bulkhead	Female	Female
P27	Type B to B Bulkhead	Female	Female
P31	Type B to B Bulkhead	Male	Male
P33	USB-A (3.0)	Female	Female
P42	USB Mini Type B with 10' Cable	Female	Male
P50	USB Flash Drive Port with 10' cable	Female	Male
Q50	Type A to B Bulkhead	Female	Female
Q51	Type B to A Bulkhead	Female	Female

Sample Part No.:

P - P 1 1 - K 3 R F 3

Ethernet Connector Code



P-P50R2-F3RX

Maintain your UL Rating by having this thru-door, recessed USB access. You can insert your flash drive and close the lid while you run your program. *Flash drive not included.*

*Maximum flash drive dimensions are 2.25L x 0.68W x 0.35H

Don't see what you're looking for?

Contact us at sales@grace-eng.com, call 1-800-280-9517 or visit www.graceport.com to chat with our customer service.

FOR MORE INFORMATION VISIT GRACEPORT.COM OR CALL **1.800.280.9517**

Warning: Verify an electrical conductor has been de-energized using an adequately rated test instrument before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S.

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