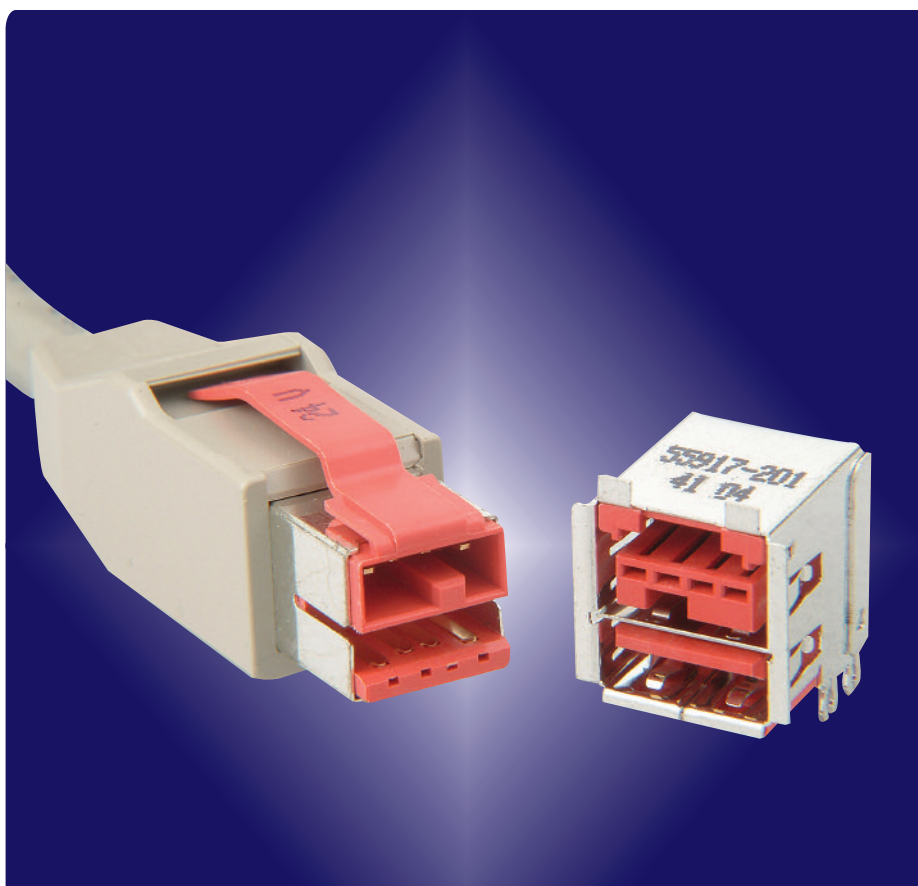


## USB+POWER

### DESCRIPTION

The USB+Power interconnect system was developed by FCI to address higher power requirements of devices using USB signaling. USB+Power adds 4 power contacts to the interface providing a total of 5 amps of additional current carrying capability compared to 1 amp for standard USB. For many devices, this eliminates the requirement for a separate power source reducing the number of cables required. For peripherals not requiring the additional current, the USB+Power receptacle will mate with a standard USB 'A' plug.

To insure proper mating, USB+Power is individually keyed and color coded for 5V, 12V, and 24V.



### FEATURES & BENEFITS

- Provides up to 5 amps of current carrying capacity eliminating the need for an external power supply in most peripheral devices
- Receptacle mates with standard USB 'A' plug
- Keyed and color coded for different voltages
- Positive latching insures proper mating and retention
- Fully shielded providing USB 2.0 data performance
- Hot plugging capability

### TARGET MARKETS / APPLICATIONS

- Data
- Consumer
- Datacom/Telecom
- PC
- Point of sale
- Hubs
- Speakers



## MATERIALS

- Receptacles
  - Housing: high temperature thermoplastic UL94V-O rated
  - Contacts: Copper Alloy
  - Shell: Copper Alloy
- Cables
  - Cable jacket: PVC
  - Contacts: Copper Alloy
  - Data conductors: 28 AWG twisted pair
  - Power conductors: non-twisted pair
  - Shield: aluminized foil and 65% coverage tinned copper braid

## MECHANICAL PERFORMANCE

- Meets USB standard
- Durability: 1,500 cycles

## SPECIFICATIONS

- USB Compliant
- Product Specification: GES-12-130
- Agency Approval: UL/CSA

## ELECTRICAL PERFORMANCE

- Operating Voltage
  - USB: 5Vdc
  - +Power: 12Vdc/24Vdc
  - Withstanding voltage: 750 vac rms.
- Current rating
  - USB: 1 amp/contact
  - +Power: 3 amp/contact
  - Low level contact resistance (LLCR): 30mΩ max.
  - Signal impedance: 90Ω +/- 15%

## PACKAGING

- Receptacles: tubes
- Cables: one per bag

## PACKAGING

Description	Base Part Number	Base Part Number
	PCB Receptacle	Mating Plug Kit
Standard A Plus Power	55917	74233
Slimline A Plus Power	57489	57496
Slimline A Plus Power - mid board mount receptacle	10011029	57496
Slimline A Plus Power - under board mount receptacle	10063583	57496