



### FEATURES

- Compatible with all Windows versions
- 1.2 Mbps communication speed
- Industry Standard plug and play technology
- Complies with USB standard 2.0 and 3.0
- Supports up to 127 Devices
- Single 4 position and dual stacked 8 position available
- Additional shielded versions available with mating face clips and fully enclosed housing for dual port
- Hot pluggable
- Compatible with asynchronous and isochronous data transfer methods
- Consolidated current serial, parallel, keyboard, mouse and game ports as well as digital camera, ISDN & PBX

### SPECIFICATIONS

- Insulator material: UL 94V-0 thermoplastic glass Reinforced 30%
- Contact material: Phosphor Bronze
- Contact Plating: gold over nickel on mating area tin on tails
- Shell: Brass with tin plating
- Contact resistance: 25 Milliohms maximum
- Dielectric withstanding voltage: 750V AC
- Insulator resistance: 1000 Megohms minimum
- Operating temperature: -55 to +85 degrees C
- Mating force: 3.5 kg max.
- Unmating force: 1.0 kg min

### Example Part Number 690 - 004 - 2 20 - 0 13

Series \_\_\_\_\_  
 Total Number of Contacts \_\_\_\_\_  
 Contact Plating Code \_\_\_\_\_  
 Contact Code \_\_\_\_\_  
 Material \_\_\_\_\_  
 Type Indicator \_\_\_\_\_

#### Series 690

#### Total Number of Contacts

004 Single Port (Type A, Type B, Miniature USB-A)  
 005 Single Port (Miniature USB-B, Miniature USB-AB)  
 008 Dual Port (Type A, Type B)

#### Contact Plating Code

2 Gold Flash  
 3 15u" Gold  
 6 30u" Gold

#### Contact Code

**Description**  
 20 Right Angle PCB (.390 footprint)  
 21 Right Angle PCB (.405 footprint)  
 22 Right Angle PCB (.147 footprint)  
 23 LG. Right Angle PCB (.114 footprint) Thru Hole Type  
 24 Vertical With Solder Pad Thru Hole Type  
 60 Vertical PCB  
 61 Right Angle PCB (Upright) (Type A)  
 95 Right Angle Surface Mount with Metal Mounting Angles  
 96 Right Angle Surface Mount and PCB with Metal Post (2)

#### Material

**Description**  
 0 Thermoplastic Black  
 1 PA9T Black  
 2 LCP White

#### Type Indicator

HDMI-A (DIP)  
 Type "A"  
 Type "B"  
 Miniature USB-A  
 Miniature USB-B  
 Miniature USB-AB  
 Miniature Display Port  
 E-SATA 7P Male  
 Micro USB-AB  
 Micro USB 3.0

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