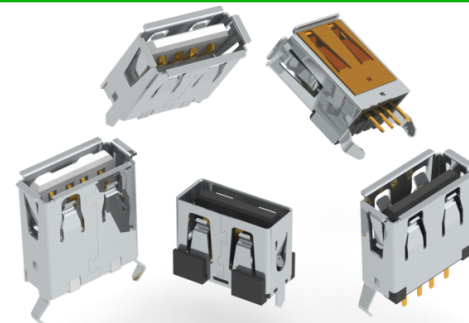# 690E SERIES

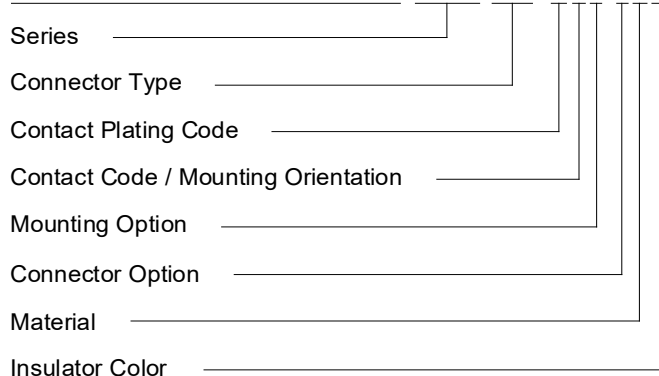## USB 2.0 TYPE-A RECEPTACLES - VERTICAL PCB



### Features:

- **Up to 480 Mbps communication speed for standard USB 2.0**
- **Industry standard plug and play technology - 'Hot Pluggable'**
- **Compatible with synchronous and asynchronous data transfer**
- **Data and power combined in one small package**
- **RoHS compliant**

## Specifications:

| Insulator Material | Thermoplastic UL-94V-0 |
|---|---|
| Contact Material | Copper alloy |
| Contact Plating | Nickel under plating with Gold plating on contact areas and Tin plating on tails |
| Shell Material | Brass with Nickel plating |
| Insertion Force | 35N maximum |
| Withdrawal Force | 10N minimum |

## EXAMPLE PART NUMBER: 690E104-34C-420

Series
Connector Type
Contact Plating Code
Contact Code / Mounting Orientation
Mounting Option
Connector Option
Material
Insulator Color

**Series:**

| 690E | Receptacle |
|---|---|

**Connector Type:**

| 104 | USB 2.0 Type-A |
|---|---|

**Special Option:**

| - | Standard |
|---|---|
| P | High Current ** |

**Contact Plating:**

| 1 | 2µ" ~ 5µ" Gold |
|---|---|
| 2 | Gold Flash |
| 3 | 5µ" ~ 10µ" Gold |
| 5 | 15µ" Gold |
| 6 | 30µ" Gold |

**Contact Code / Mounting Orientation:**

| 4 | Vertical PCB |
|---|---|

**Mounting Option:**

| 1 | 2 Through Hole Grounding Tabs ** |
|---|---|
| 3 | 2 Metal Board Locks |
| C | 2 Metal Board Locks (Inverted) - (Connector Option 4 Only) |

**Connector Option:**

| 0 | Standard - Tabs on Leading Edge |
|---|---|
| 4 | Short Body - Tabs on Leading Edge |
| 6 | Short Body - No Tabs on Leading Edge ** |

**Material:**

| 0 | Generic Thermoplastic ** |
|---|---|
| 1 | LCP ** |
| 2 | PBT |
| 7 | PA66 - (Connector Option 0 Only) |

**Insulator Color:**

| 0 | White / Natural |
|---|---|
| 1 | Black |

**Ordering Code Notes:**
Options marked ** are for 1 off part numbers - 690E104-141-611 / 690E104-241-400 / 690E104P343-411 - and are not available in any other combination on this ordering guide.

Not all part numbers deriving from this ordering guide will be available.

Some may be available upon request. Please first consult the website, if the connector is not readily available then please contact EDAC's customer service for further inquiries.