### **ICCON Connector Family Overview**

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# **ICCON Connectors**

### **Product Overview**

Standard ICCON connectors
 SLIMLINE ICCON connectors
 Stacked ICCON connectors



#### Always EU RoHS/ELV Compliant



#### **Product Highlights**

- High performance contact
- Optional locking feature
- Support for multiple mounting styles
- Mating with discrete contacts

#### **Product Facts**

- 35A current rating
- True compliant press-fit and solder tails
- Pin locking feature option
- Standard DIP footprint
- Insulator rated at 105°C, UL 94V-0
- Meets safety regulatory requirements
- #8 AWG wire size
- Parallel and perpendicular pin/sockets
- Sequencing capability
- For 0.062" to 0.125" boards
- (1.57 mm ~ 3.18 mm)

# Standard ICCON Connectors Product Overview

Provides a reliable high current power interconnection

 Quick connect / disconnect functionality for space constrained motherboarddaughterboard, cable-board and boardbusbar power delivery applications.

Standard DIP footprint .300 x .100





| Standard ICCON Connector Options |   |  |
|----------------------------------|---|--|
| Receptacle                       | Right angle or vertical                             |  |
| Pin 👘                            | Right angle or vertical, multiple lengths available |  |
| Mating options                   | Coplanar, mezzanine, right<br>angle                 |  |
| PCB termination                  | Solder tail or compliant pin                        |  |

Always EU RoHS/ELV Compliant



# SLIMLINE ICCON Connectors Product Overview

•Footprint close to 30% smaller than the standard ICCON connectors

 Integrates more component in less board real estate, providing substantial space savings compared to connectors of this type in the same performance range

 SLIMLINE ICCON connector footprint .100 x .100





| SLIMLINE ICCON Connector Part Numbers |   |
|---------------------------------------|---|
| Receptacle                            | Right angle                             |
| Pin A                                 | Right angle, multiple lengths available |
| Mating options                        | Right angle                             |
| PCB termination                       | Solder tail or compliant pin            |
|                                       |   |





# Stacked ICCON Connectors

### **Product Overview**

 Very high current density – Up to 200 Amps per inch

Occupies less pcb edge space than separate
 ICCON power and guide modules

 Designed to compliment Z-PACK TinMan connector and other backplane connectors offered by TE

 Right-angle connector to mate motherboarddaughterboard power distribution systems



\*Stacked ICCON connector shown with Z-PACK TinMan backplane connector





| Stacked ICCON Connector Part Numbers |   |
|--------------------------------------|---|
| Receptacle                           | Stacked, right angle                                  |
| Pin                                  | Ground, power, mate-first, multiple lengths available |
| PCB termination                      | Compliant pin   |
|                                      | Always EU RoHS/ELV Complia                            |

# **ICCON Connectors**

### **Typical Product Applications**

- Power distribution
- Board-to-board interconnection
- Board-to-busbar interconnection
- Board-to-wire interconnection
- High-density power designs
- Board stacking

ICCON connectors provide a reliable high current power interconnection with quick connect / disconnect function for space constrained motherboard-daughterboard, cable-board and board-busbar power delivery applications.



## ICCON Connectors Sample Application Photos





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## ICCON Connectors More Information

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