

INTRODUCTION:

Adam Tech CE Series Card Edge Connectors are precision engineered PCB mount connectors developed to mate with the plated fingers of a printed circuit daughter board. Their bifurcated, cantilever contacts are set in a dual readout configuration and they offer a reliable connection for a wide range of PCB thicknesses. Adam Tech's sturdy solder tails with tapers allow easy insertion and rugged durability.

FEATURES:

- .100" x .200" centerlines
- Selectively gold plated contacts
- Wide selection of positions
- Compatible with a wide range of PCB thicknesses

MATING PC BOARDS:

All printed circuit boards with a thickness of .055" to .075"

SPECIFICATIONS:

Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black

Contacts: Phosphor Bronze

Contact Plating:

Gold Flash (30 µin Optional) over Nickel underplate on contact area, tin over copper underplate on tails.

Electrical:

Operating voltage: 250V AC max.

Current rating: 3 Amps max.

Contact resistance: 30 mΩ max. initial

Insulation resistance: 3000 MΩ min.

Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 10 oz max.

Withdrawal force: 3 oz min

Temperature Rating:

Operating temperature: -40°C to +105°C

Soldering process temperature:

Standard insulator: 235°C

Hi-Temp insulator: 260°C

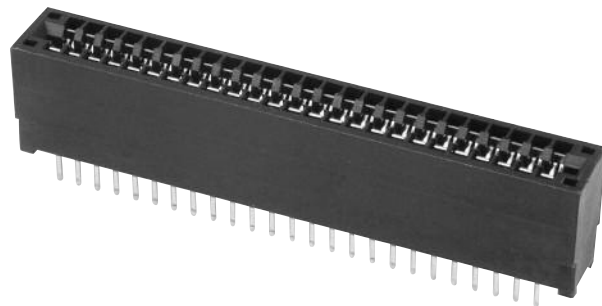
PACKAGING:

Anti-ESD plastic trays

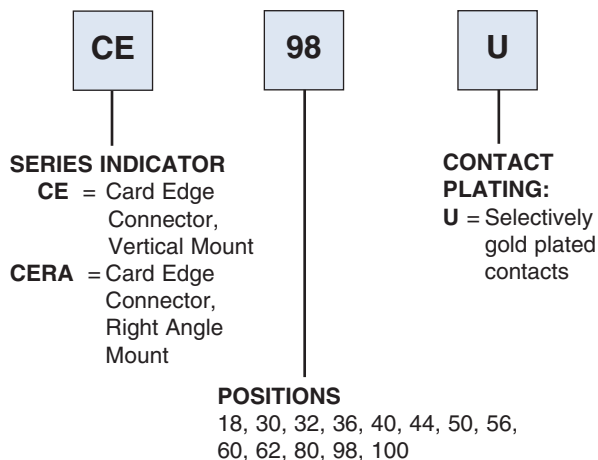
SAFETY AGENCY APPROVALS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



OPTIONS:

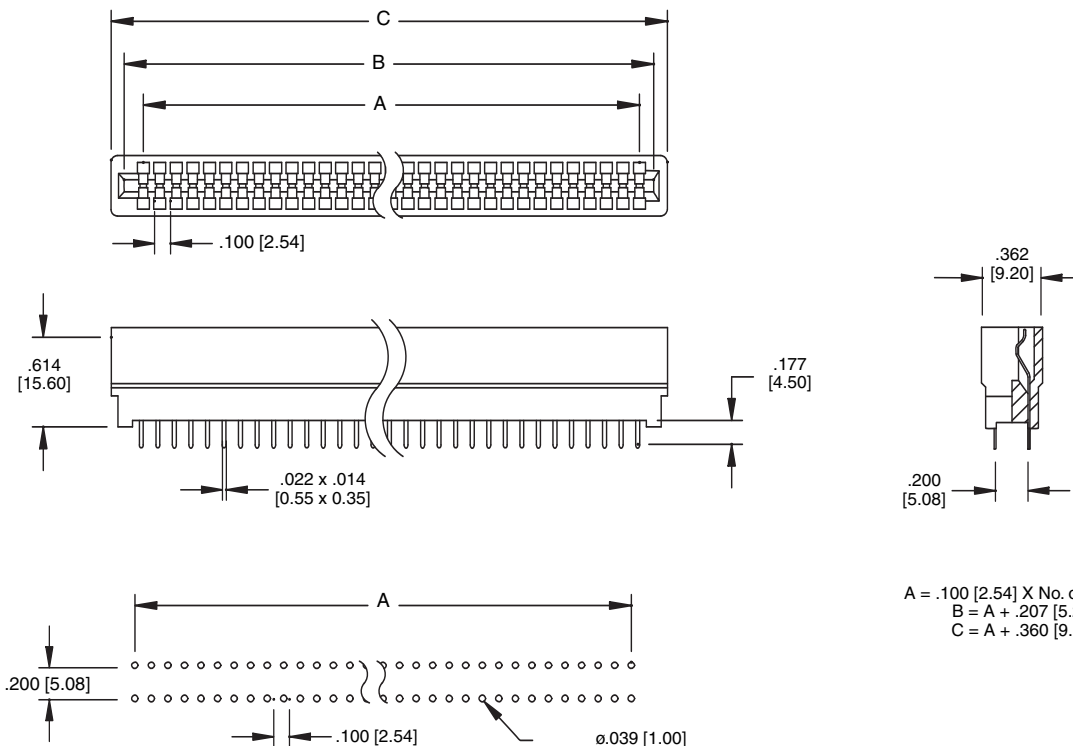
Add designator(s) to end of part number

30 = 30 µin gold plating in contact area

HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

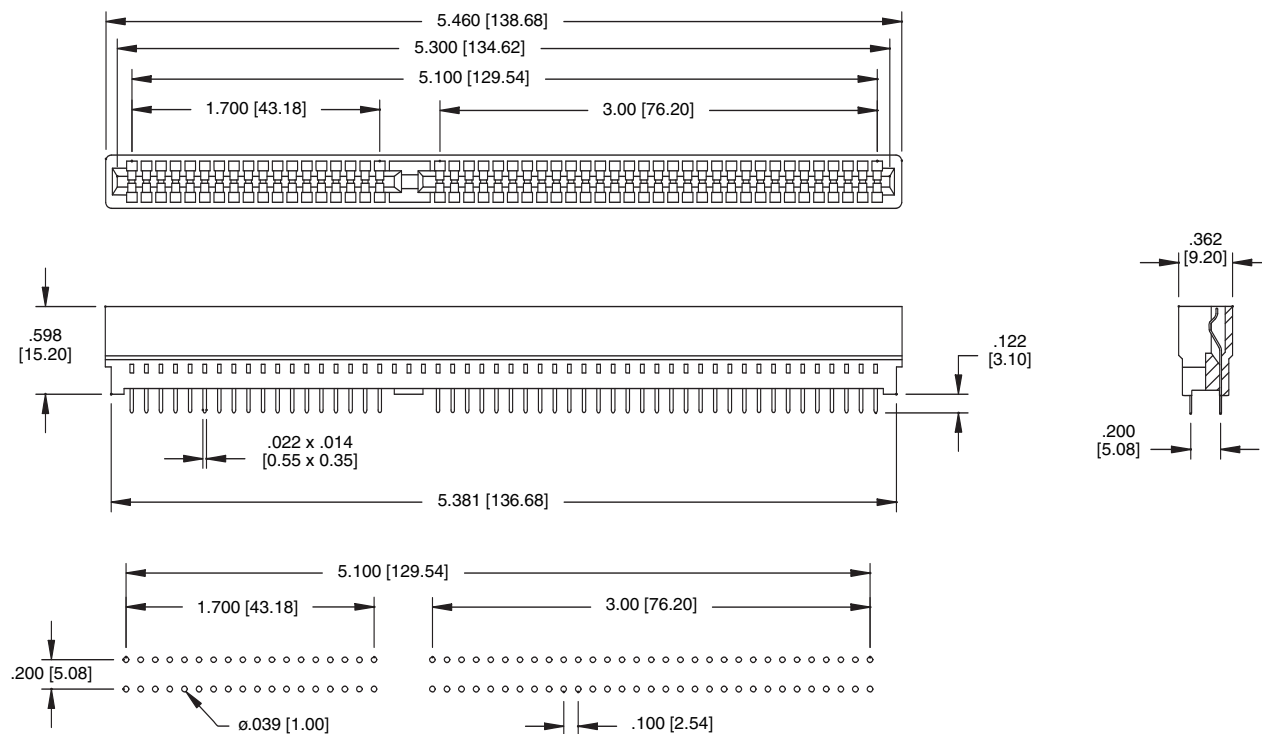


18P-100P



Recommended PCB Layout

98P



Recommended PCB Layout

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ADAM TECH:](#)

[CE-98-U](#) [CE-62-U](#)