

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 μ m 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 m Ω max. initial
Insulation resistance: 3000 M Ω min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 10 oz max.
Withdrawal force: 3 oz min

Temperature Rating:

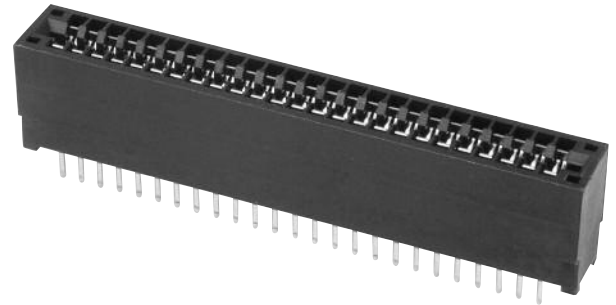
Operating temperature: -40°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

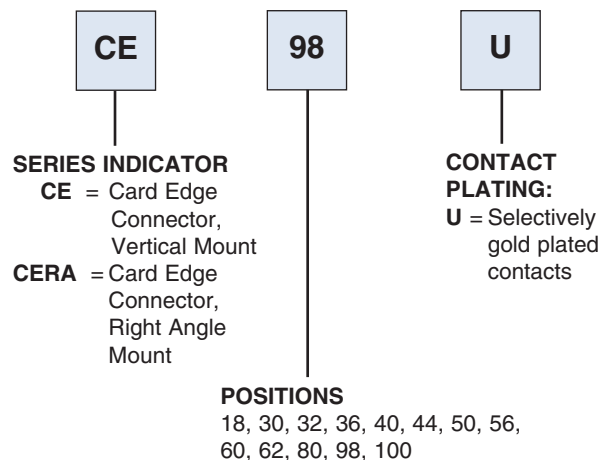
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized File No. E224053
CSA Certified File No. LR1578596



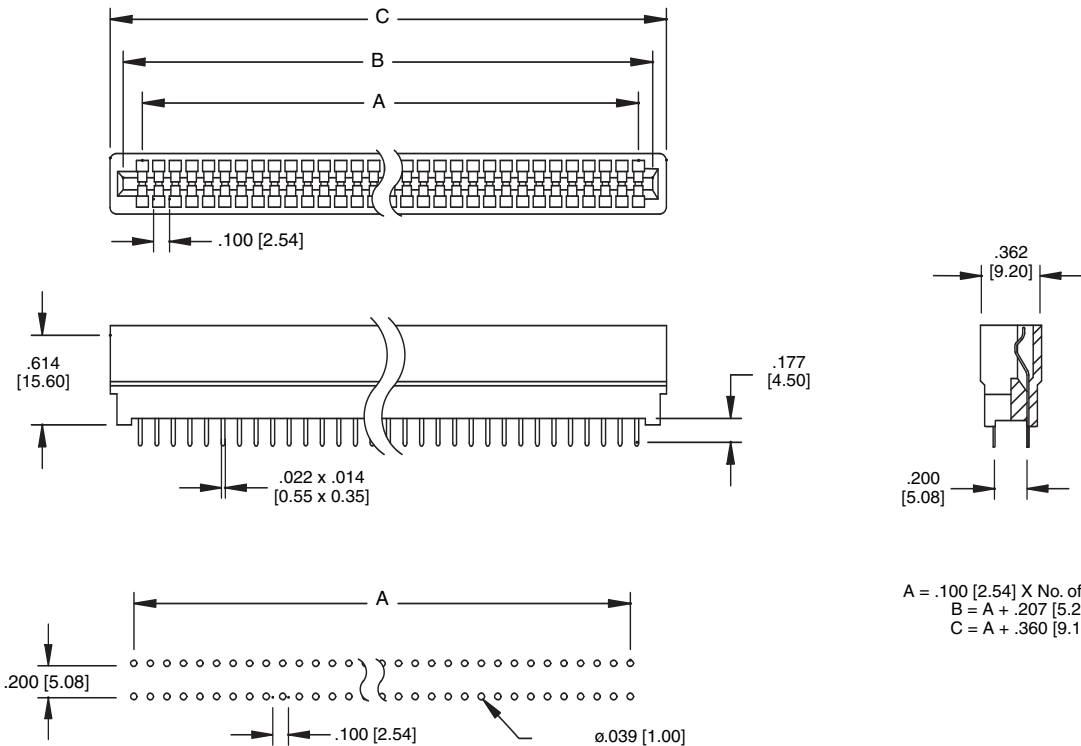
ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number
30 = 30 μ m gold plating in contact area
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

18P-100P



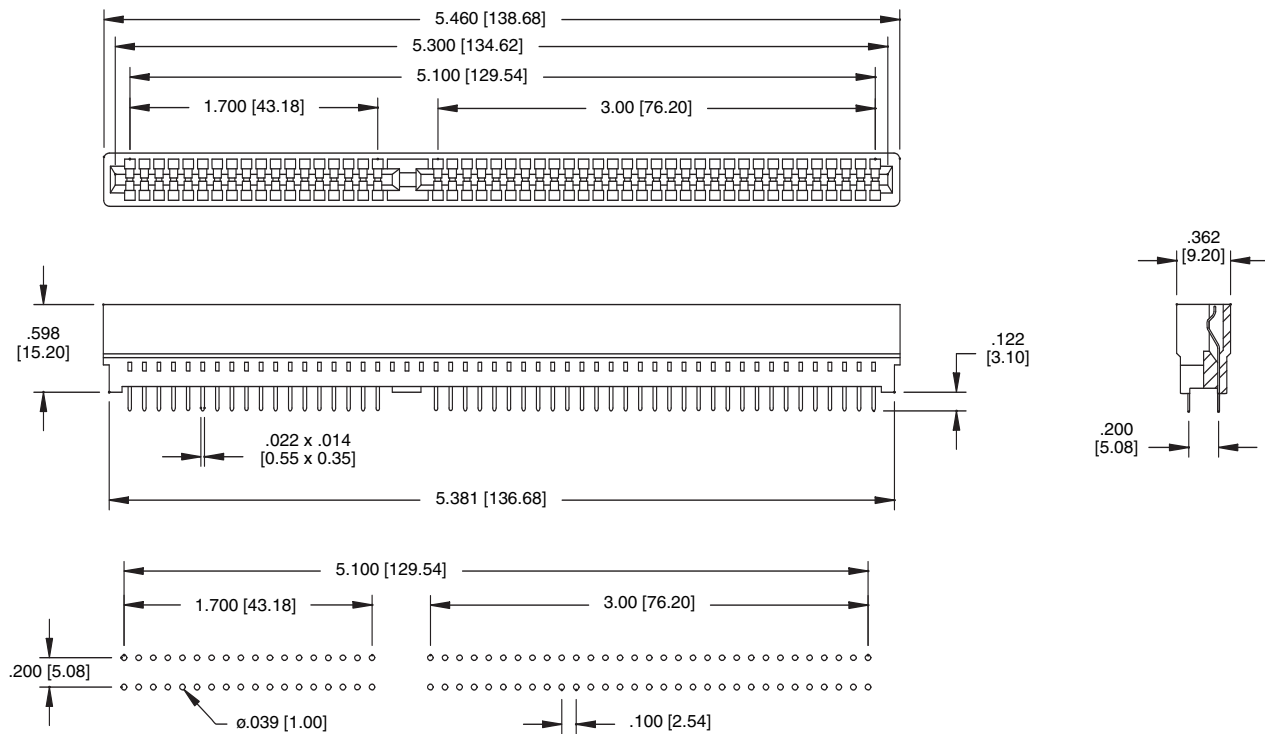
$$A = .100 [2.54] \times \text{No. of spaces}$$

$$B = A + .207 [5.28]$$

$$C = A + .360 [9.14]$$

Recommended PCB Layout

98P



Recommended PCB Layout