

## 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  $\mu$ 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 $\Omega$  max. initial  
Insulation resistance: 3000 M $\Omega$  min.  
Dielectric withstanding voltage: 500V AC for 1 minute

### Mechanical:

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

### Temperature Rating:

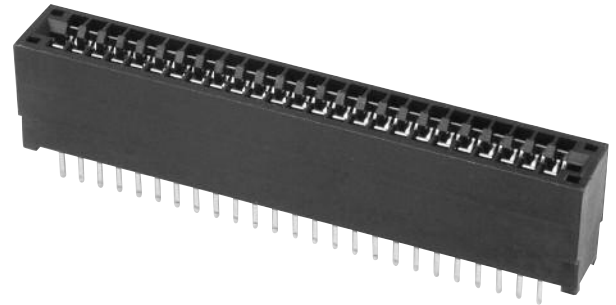
Operating temperature: -40°C to +105°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

## PACKAGING:

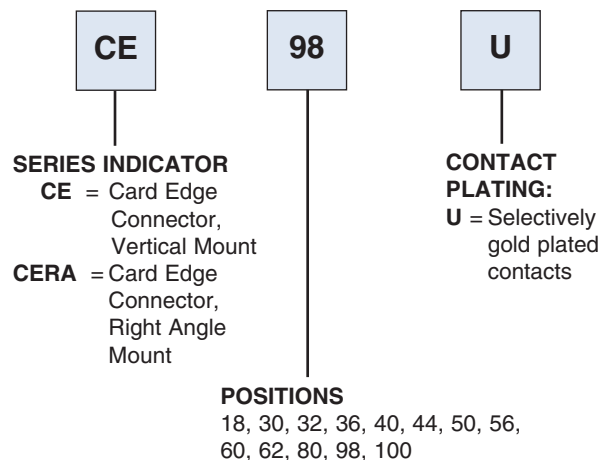
Anti-ESD plastic trays

## 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  $\mu$ m gold plating in contact area  
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C