

#### INTRODUCTION:

Adam Tech FCE Series IDC Card Edge Connectors are designed to quickly and easily mass terminate .050" flat cable and mate directly with the plated fingers of a PCB as a card edge connector. Our superior designed crimp cap features guides to reduce occurrence of mis-mating and our specially engineered contacts provide strong wiping action and high retention to the PCB.

#### FEATURES:

Available with or without mounting ears  
Special "easy fit" cap reduces mis-mating  
High Retention to PCB  
Selectively Gold plated Bifurcated contacts

#### MATING OPTIONS:

Printed circuit boards with a thickness of .058" to .070"

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
Insulator Color: Black, (Gray optional)  
Contacts: Phosphor Bronze

##### Contact Plating:

Gold flash (30 µin optional) over nickel underplate on contact area, tin over copper underplate on IDC area

##### Electrical:

Operating voltage: 250V AC max.  
Current rating: 1 Amp max.  
Contact resistance: 30 mΩ max. initial  
Insulation resistance: 1000 MΩ min.  
Dielectric withstanding voltage: 500V AC for 1 minute

##### Mechanical:

PCB Insertion force: 0.406 lbs per contact max.  
With .062 thick board  
Withdrawal force: 0.312 lbs per contact min.  
With .062 thick board  
Recommended wire size: 28 Awg stranded  
Cable retention: 28 lbs. min axial force per inch.  
Mating durability: 500 cycles min.

##### Temperature Rating:

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

#### PACKAGING:

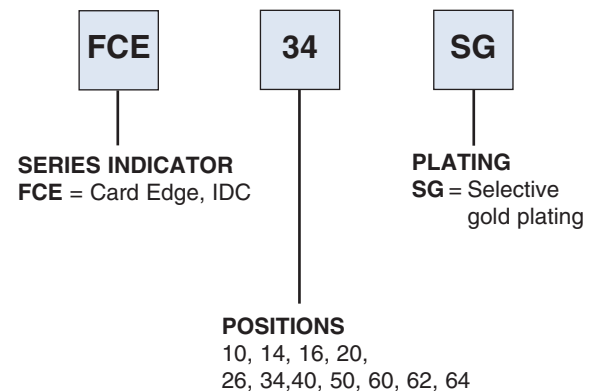
Anti-ESD plastic trays

#### SAFETY AGENCY APPROVALS:

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



#### ORDERING INFORMATION



#### STRAIN RELIEF:

FCR - XX (XX= No. of Positions)

#### KEYING PLUGS:

FCE-K (Key plugs can also be molded into connector, consult factory)

#### OPTIONS:

Add designator(s) to end of part number

30 = 30 µin gold plating in contact area

GY = Gray color insulator

E = Mounting ears with slotted mounting holes