

### INTRODUCTION:

Adam Tech FCP Series IDC Box Headers are designed to quickly and easily mass terminate .050" flat cable. The IDC termination is converted to a Shrouded Box Header output with a polarizing slot that mates with standard IDC sockets. This connector is ideal for splicing and making "T" taps to a cable bus. Adam Tech's sturdy design features solid, selectively gold plated .025"sq. copper alloy posts.

### FEATURES:

IDC Cable to Shrouded Box Header  
Mates with standard IDC sockets  
Ideal for splicing and "T" taps to cable bus  
Solid selectively gold plated contacts

### MATING CONNECTORS:

Mates with Adam Tech Series .100" [2.54mm] dual row IDC sockets

### SPECIFICATIONS:

#### Material:

Insulator: PBT, rated UL94V-0  
Insulator Color: Gray  
Contacts: Brass

#### 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: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.5 lbs per circuit max.  
Withdrawal force: 0.094 lbs per circuit min  
Mating durability: 500 cycles min.  
Recommended cable size: 28 Awg stranded

#### Temperature Rating:

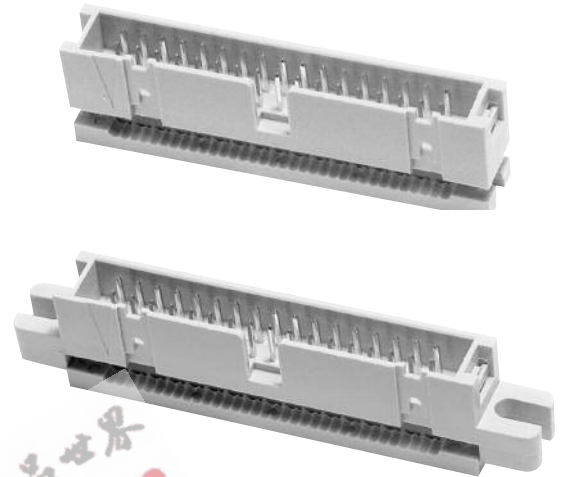
Operating temperature: -55°C to +105°C

### PACKAGING:

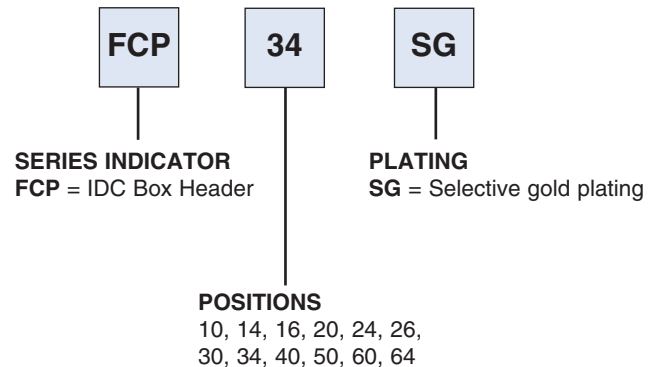
Anti-ESD plastic trays

### SAFETY AGENCY APPROVALS:

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



### ORDERING INFORMATION



### OPTIONS:

Add designator(s) to end of part number  
E = Mounting Ears  
30 = 30 µin gold plating in contact area  
BK = Black color insulator

