

.100" [2.54] CENTERLINE  
 .049" [1.25] CENTERLINE  
 .039" [1.00] CENTERLINE  
 PCB SERIES

## INTRODUCTION:

Adam Tech PCB Series Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC) connectors are a LIF (low insertion force) design that provides a low cost, fast, easy and reliable connection of flexible printed circuits to a PCB. Adam Tech's special contact design preserves conductor integrity while producing a stable, high pressure connection. This series includes single and dual row versions in .039", .049" and .100" centerlines with vertical or horizontal orientations.

## FEATURES:

Superior contact design protects conductors  
 High pressure contacts  
 Single or dual row versions  
 Choice of .039", .049" and .100" centerlines

## MATING FPC & FFC CABLE:

Mates with flat flexible cable and flexible printed circuits with thickness of 0.3mm

## Specifications:

### Material:

Standard insulator: PBT, Glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze

### Contact Plating:

Tin over copper underplate

### Electrical:

Operating voltage: 100V AC max.  
 Current rating: .039" Spacing: 0.5 Amp max.  
 .049" Spacing: 1 Amp max  
 .100" Spacing: 3 Amps max  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

### Mechanical:

Insertion Force: 5 oz max  
 Withdrawal Force: 3 oz min

### Temperature Rating:

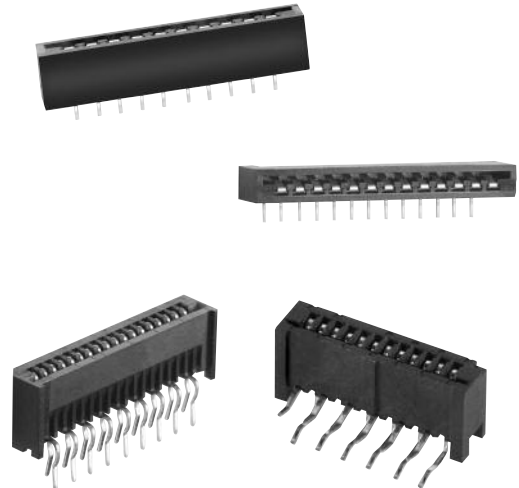
Operating temperature: -40°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C

## PACKAGING:

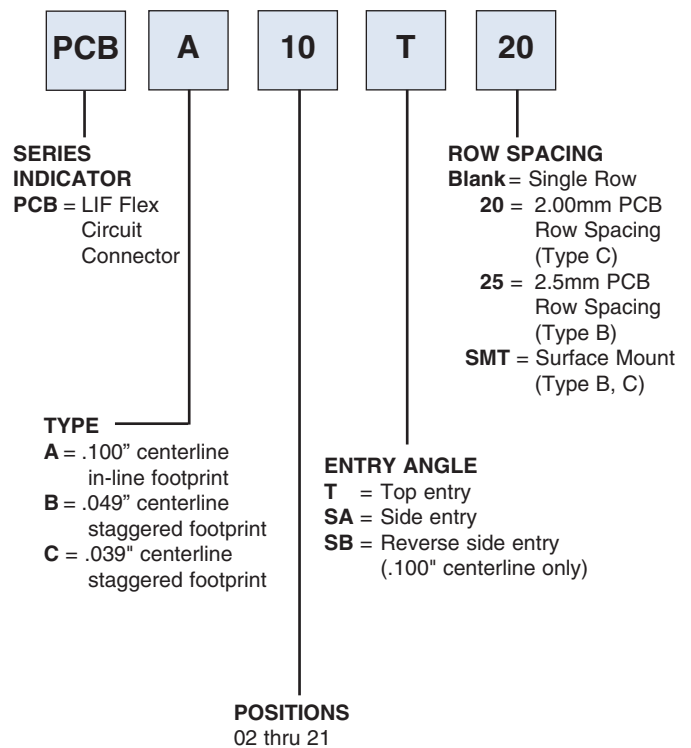
Anti-ESD plastic tubes or trays

## APPROVALS AND CERTIFICATIONS:

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



## ORDERING INFORMATION



## OPTIONS

Add designator(s) to end of part number  
 HT= Hi-Temp insulator for Hi-Temp soldering processes up to 260°C