

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:

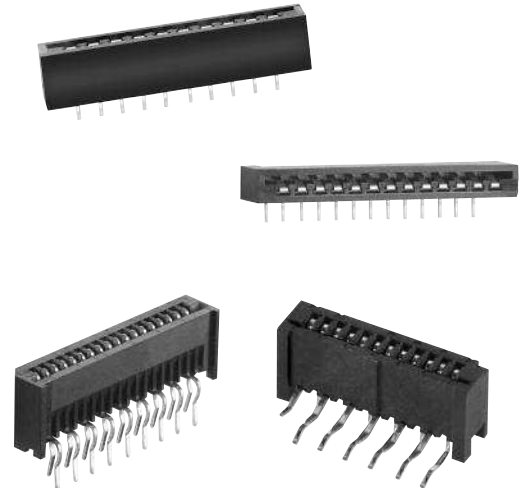
Operating temperature: -40°C to +85°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

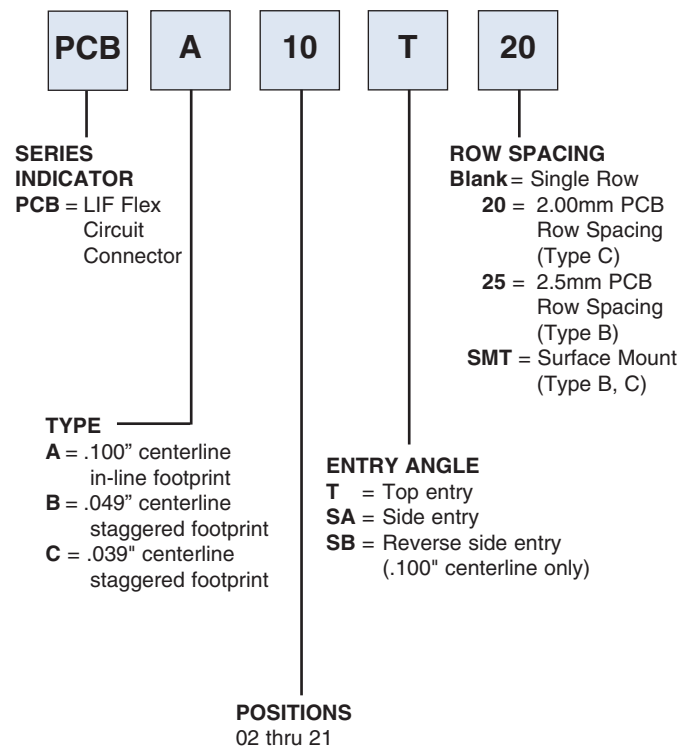
Anti-ESD plastic tubes or trays

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