

2.54mm [.100"] CENTERLINE
 1.25mm [.049"] CENTERLINE
 1.00mm [.039"] CENTERLINE
 0.50mm [.020"] 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 2.54mm, 1.25mm, 1.00mm & 0.50mm centerlines with vertical or horizontal orientations.

FEATURES:

Superior contact design protects conductors
 High pressure contacts
 Single or dual row versions
 Choice of 2.54mm, 1.25mm, 1.00mm & 0.50mm 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:

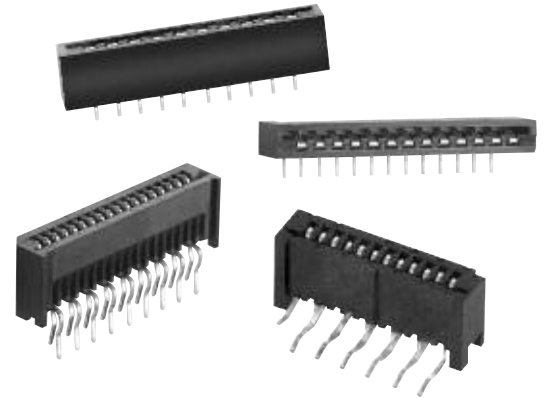
Operating temperature: -40°C to +85°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

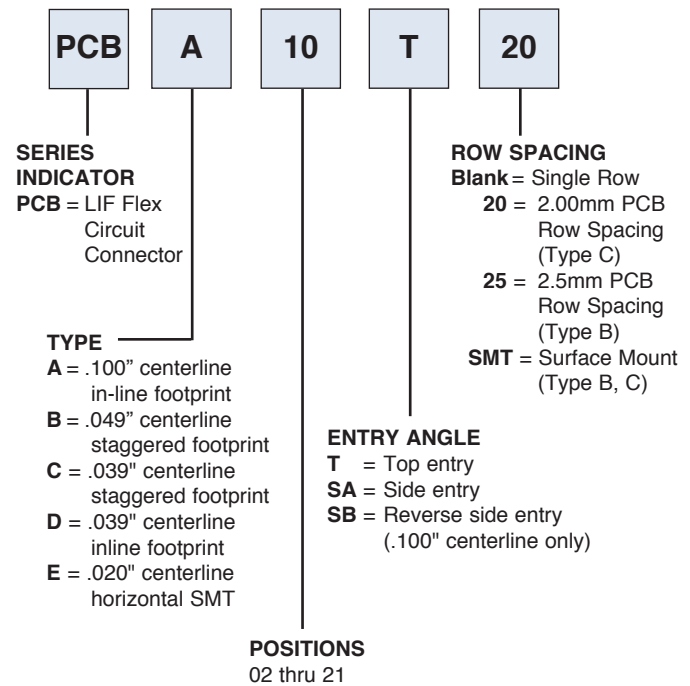
Anti-ESD plastic tubes or trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



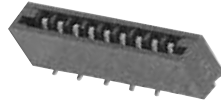
ORDERING INFORMATION



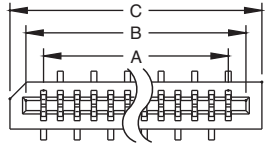
OPTIONS

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

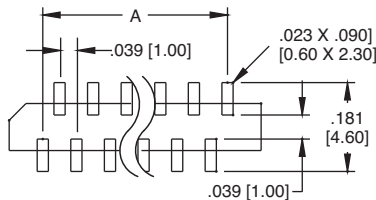
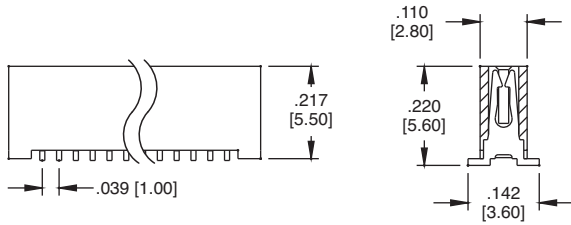
PCB-C
1.00 (.039") TOP ENTRY SMT



PCB-C-09-T-SMT



A = .039 [1.00] X No. of Spaces
B = A + .090 [2.30]
C = A + .157 [4.00]

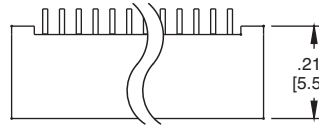


Recommended PCB Layout

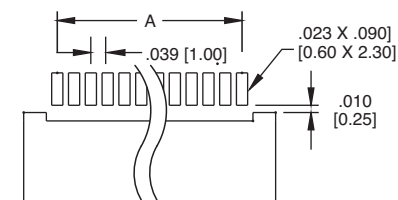
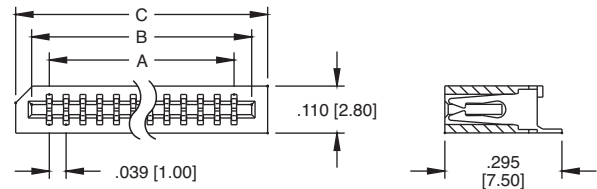
PCB-C
1.00 (.039") SIDE ENTRY SMT



PCB-C-18-SA-SMT

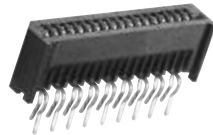


A = .039 [1.00] X No. of Spaces
B = A + .090 [2.30]
C = A + .157 [4.00]

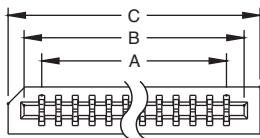


Recommended PCB Layout

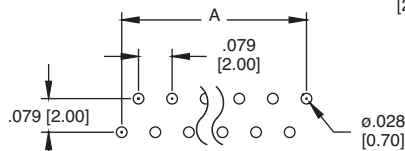
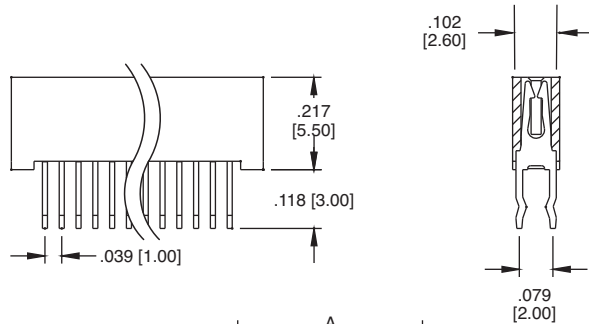
PCB-C
1.00 (.039") TOP ENTRY THRU HOLE



PCB-C-18-T-20

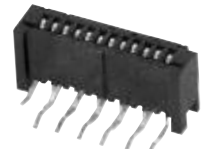


A = .039 [1.00] X No. of Spaces
B = A + .090 [2.30]
C = A + .157 [4.00]

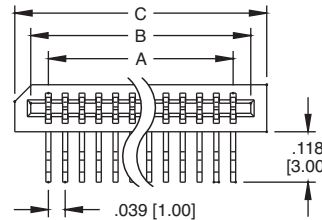


Recommended PCB Layout

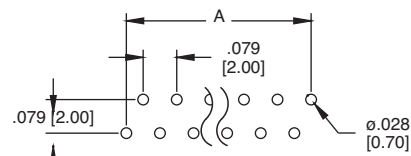
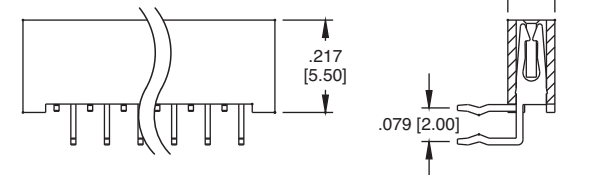
PCB-C
1.00 (.039") SIDE ENTRY THRU HOLE



PCB-C-12-SA-20



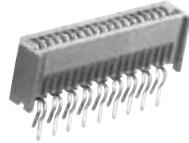
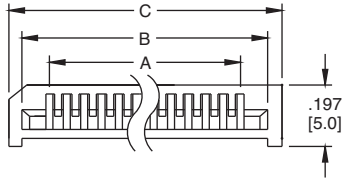
A = .039 [1.00] X No. of Spaces
B = A + .090 [2.30]
C = A + .157 [4.00]



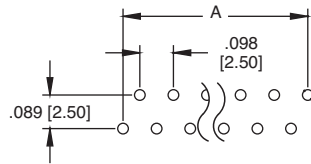
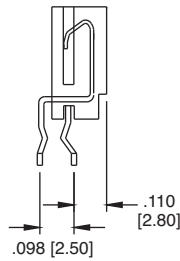
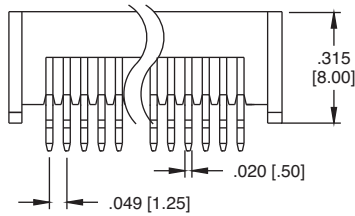
Recommended PCB Layout

PCB-B

1.25 (.049") TOP ENTRY THRU HOLE



PCB-B-18-T-25

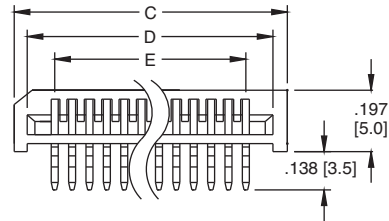


A = .049 [1.25] X No. of Spaces
 B = A + .098 [2.50]
 C = A + .197 [5.00]

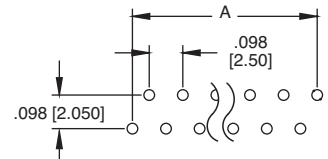
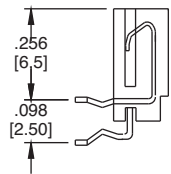
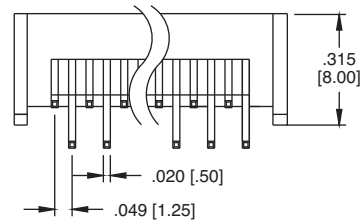
Recommended PCB Layout

PCB-B

1.25(.049") SIDE ENTRY THRU HOLE



PCB-B-12-SA-25

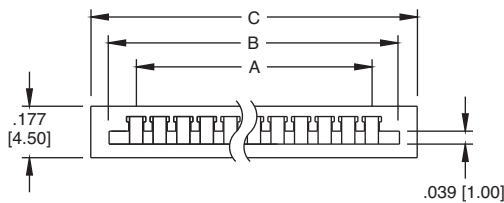


A = .049 [1.25] X No. of Spaces
 B = A + .098 [2.50]
 C = A + .197 [5.00]

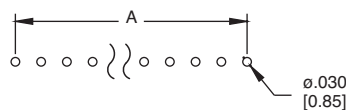
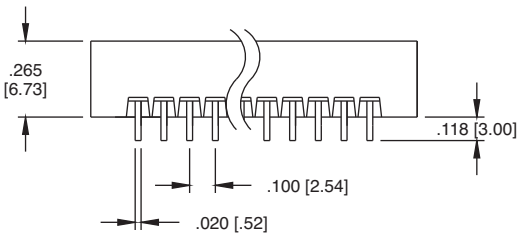
Recommended PCB Layout

PCB-A

.100" (2.54) TOP ENTRY INLINE THRU HOLE



PCB-A-10-T

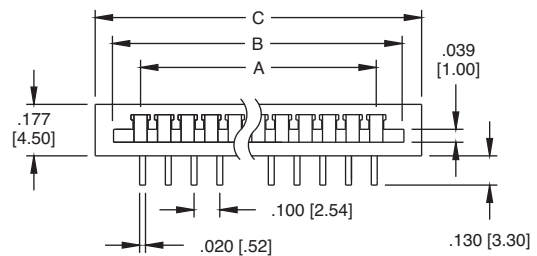


A = .100 [2.54] x no. of Spaces
 B = A + .232 [5.90]
 C = A + .315 [8.00]

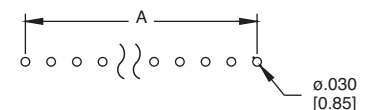
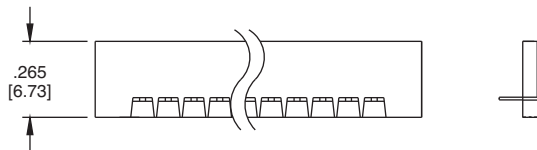
Recommended PCB Layout

PCB-A

.100" (2.54) SIDE ENTRY INLINE THRU HOLE



PCB-A-13-SA



A = .100 [2.54] x no. of Spaces
 B = A + .232 [5.90]
 C = A + .315 [8.00]

Recommended PCB Layout