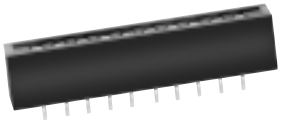
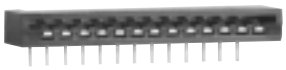
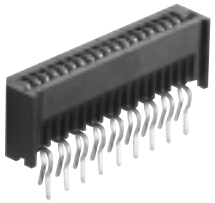
ADAM TECH LIF FLEX CIRCUIT CONNECTOR

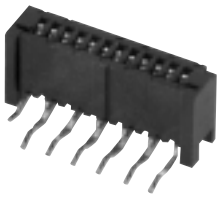
ADAM TECHNOLOGIES

.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 .049" or .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:

Insulator: PBT, Glass reinforced, 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

PACKAGING:
Anti-ESD plastic tubes or trays

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

Pb-free Option available

RoHS COMPLIANT OPTION AVAILABLE

ORDERING INFORMATION

PCB	A	10	T	20

SERIES INDICATOR
PCB = LIF Flex Circuit Connector

TYPE
A = .100" centerline in-line footprint
B = .049" centerline staggered footprint
C = .039" centerline staggered footprint

POSITIONS
02 thru 21

ENTRY ANGLE
T = Top entry
SA = Side entry
SB = Reverse Side Entry (.100" centerline only)

ROW SPACING
Blank = Single Row
20 = 2.00mm PCB Row Spacing (Type C)
25 = 2.5mm PCB Row Spacing (Type B)
SMT = Surface mount (Type B, C)

OPTIONS
Add designator(s) to end of part number
RC = RoHS compliant lead-free product with Hi-Temp insulator

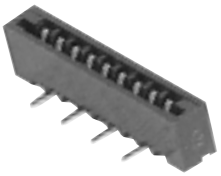
LIF FLEX CIRCUIT CONNECTOR

.039" [1.00] CENTERLINE

PCB SERIES

TYPE C, TOP ENTRY .039" SMT

PCB-C-09-T-SMT

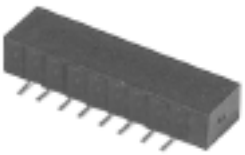


Recommended PCB Layout

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

TYPE C, SIDE ENTRY .039" SMT

PCB-C-08-SA-SMT

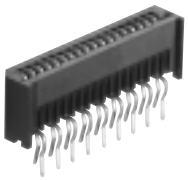


Recommended PCB Layout

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

TYPE C, TOP ENTRY .039" THRU-HOLE

PCB-C-18-T-20

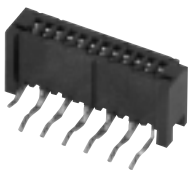


Recommended PCB Layout

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

TYPE C, SIDE ENTRY .039" THRU-HOLE

PCB-C-12-SA-20



Recommended PCB Layout

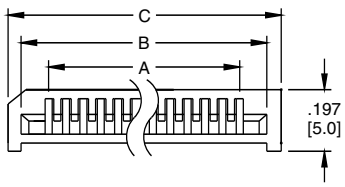
A = .039 [1.00] X No. of Spaces
B = A + .090 [2.30]
C = A + .157 [4.00]

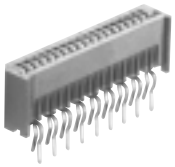
LIF FLEX CIRCUIT CONNECTOR

.049" [1.25] & .100" [2.54] CENTERLINE

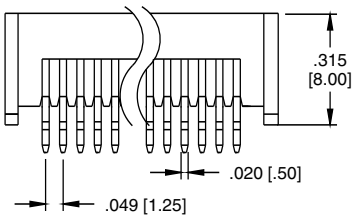
PCB SERIES

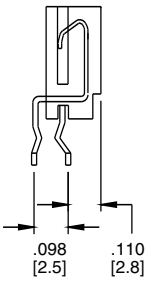
TYPE B, TOP ENTRY .049" THRU-HOLE

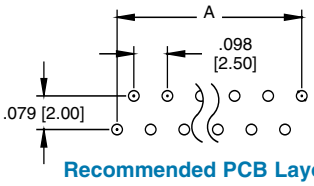




PCB-B-18-T-25



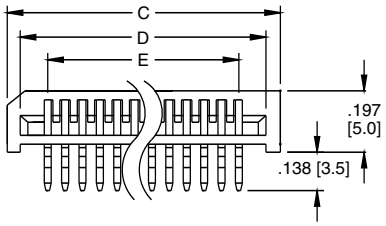


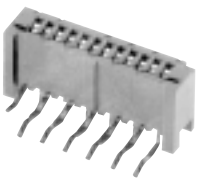


A = .049 [1.25] X No. of Spaces
B = A + .098 [2.50]
C = A + .197 [5.00]

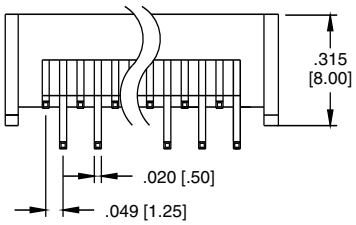
Recommended PCB Layout

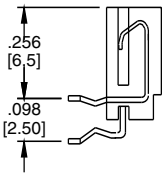
TYPE B, SIDE ENTRY .049" THRU-HOLE

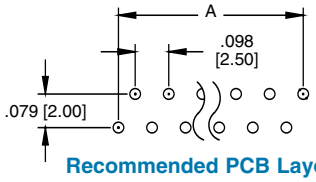




PCB-B-12-SA-25



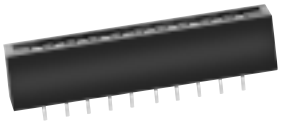




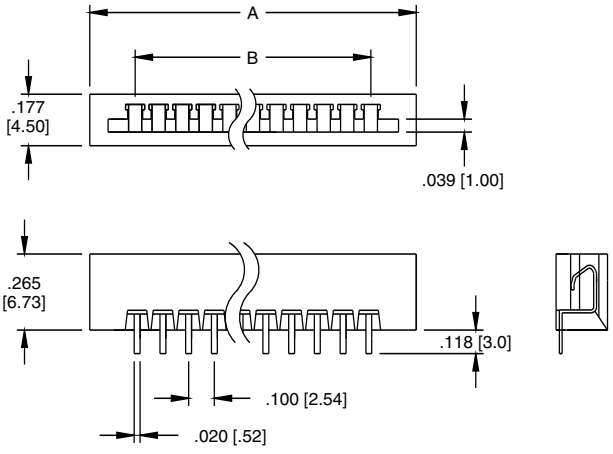
A = .049 [1.25] X No. of Spaces
B = A + .098 [2.50]
C = A + .197 [5.00]

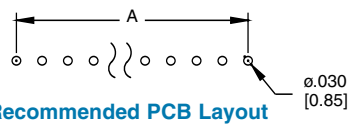
Recommended PCB Layout

TYPE A, TOP ENTRY .100" INLINE THRU-HOLE



PCB-A-10-T

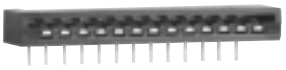




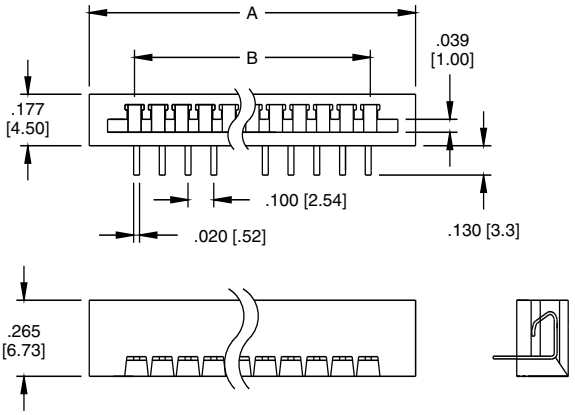
A = .100 [2.54] x
no. of Spaces
B = A + .232 [5.90]
C = A + .315 [8.00]

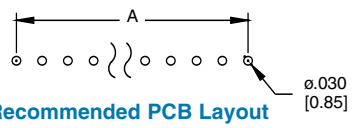
Recommended PCB Layout

TYPE A, SIDE ENTRY .100" 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

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