ADAM TECH
Adam Technologies, Inc.

LIF FLEX CIRCUIT CONNECTOR
.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
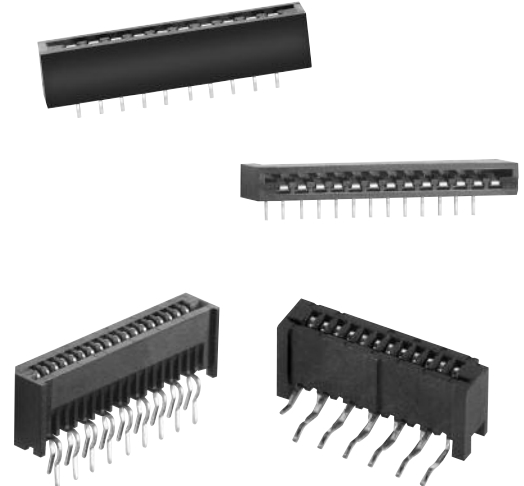Withdrawal Force: 3 oz min

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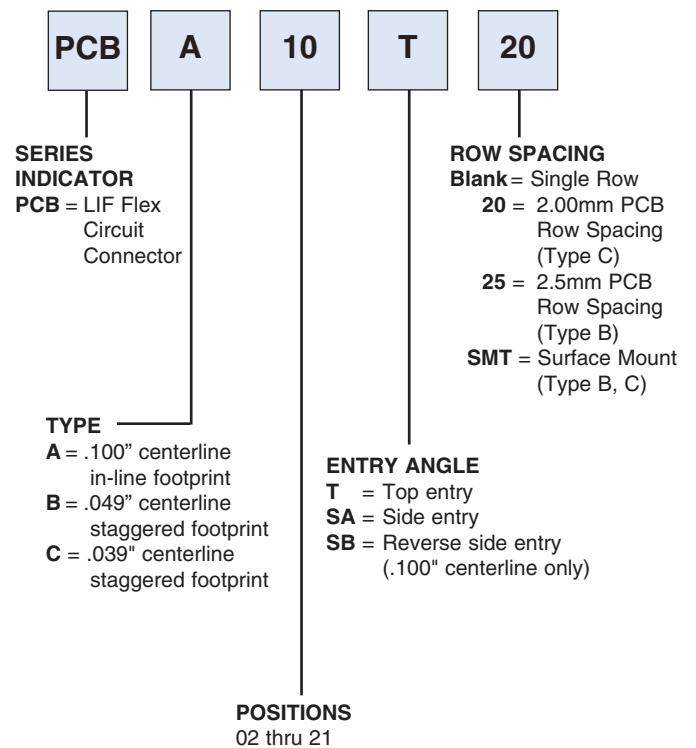 Hi-Temp insulator: 260°C

PACKAGING:
Anti-ESD plastic tubes or trays

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

ORDERING INFORMATION

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
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C