ADAM TECH ZIF FLEX CIRCUIT CONNECTOR

Adam Technologies, Inc.

INTRODUCTION:

Adam Tech PCA Series Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC) connectors are ZIF (zero insertion force) connectors designed to provide a fast, easy, reliable method to make a connection of flexible printed circuits to a PCB. Adam Tech's special contact design completely preserves conductor integrity by eliminating all wiping action while making connection. Flex circuitry enters the connector and the connector cap is pressed down to capture the flex circuit producing a stable, high pressure connection. Raising the cap releases the pressure for exchange or replacement of circuitry. This series includes single and dual row versions in thru-hole or SMT mounting in vertical or horizontal orientations.

FEATURES:

Superior contact design protects conductors High pressure contacts Single or dual row versions Choice of .020", .031", .039" and .049" centerlines

MATING FPC & FFC:

Mates with .020", .031", .039" and .049" centerline flat flexible circuits with thickness range of 0.1mm to 0.3mm

SPECIFICATIONS:

Material:

Standard Hi-Temp Insulator: LCP, Glass reinforced, rated UL94V-0 Insulator color: Natural Contacts: Phosphor Bronze

Contact Plating: Tin over copper underplate overall

Electrical:

Operating voltage: 100V AC max. Current rating: .020" Spacing: 0.4 Amps max. .031" & .039" Spacing: 0.5 Amps max .049" Spacing: 1 Amp max Contact resistance: 30 m Ω max, initial Insulation resistance: 500 M Ω min. Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion Force: 0 oz max Withdrawal Force: 13 oz min

Temperature Rating:

Operating temperature: -40°C to +85°C Soldering process temperature: 260°C

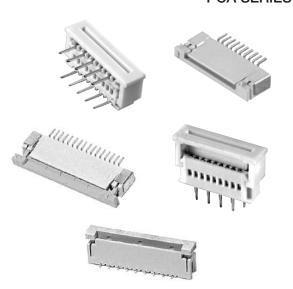
PACKAGING: Anti-ESD plastic tubes or Tape and Reel

APPROVALS AND CERTIFICATIONS:

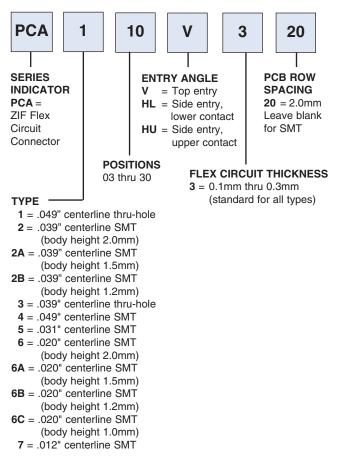
UL Recognized File No. E224053 CSA Certified File No. LR1578596



.020" [0.50] CENTERLINE .031" [0.80] CENTERLINE .039" [1.00] CENTERLINE .049" [1.25] CENTERLINE PCA SERIES



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number

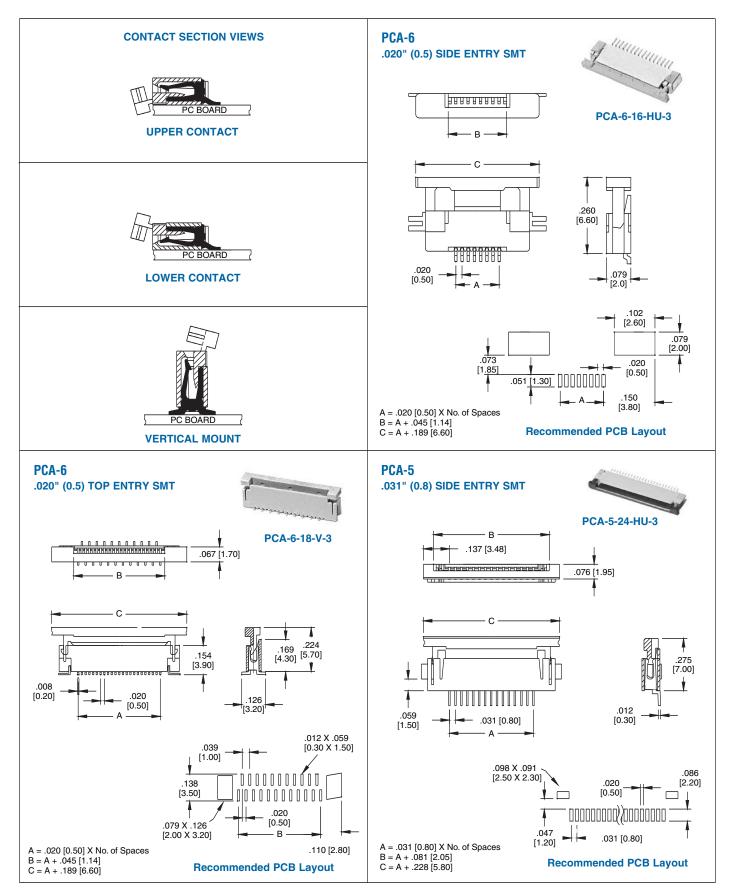
TR = Tape and reel packaging

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