ADAM TECH LIF FLEX CIRCUIT CONNECTOR

Adam Technologies, Inc.

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 mQ max. initial

Insulation resistance: 500 M Ω 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



2.54mm [.100"] CENTERLINE 1.25mm [.049"] CENTERLINE 1.00mm [.039"] CENTERLINE 0.50mm [.020"] CENTERLINE PCB SERIES



ORDERING INFORMATION



02 thru 21

OPTIONS

Add designator(s) to end of part number

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

08-68 BOT PC . COM/ADAM-TCH.C 909 Rahway Avenue • Union, New Jersey 07083

ADAM TECH LIF FLEX CIRCUIT CONNECTOR

Adam Technologies, Inc.

1.00mm [.039"] CENTERLINE

PCB SERIES



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ADAM TECH LIF FLEX CIRCUIT CONNECTOR

Adam Technologies, Inc.

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

PCB SERIES



000 687-5710 • WWW. DAM-197 909 Rahway Avenue • Union, New Jersey 07083 • 908 ntip:// ノ.C 1/ /

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 .3mm, .5mm, .8mm, 1mm & 1.25mm centerlines

MATING FPC & FFC:

Mates with .3mm, .5mm, .8mm, 1mm & 1.25mm centerline flat flexible circuits with thickness range of 0.1mm to 0.3mm

SPECIFICATIONS:

Material:

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 mΩ max. initial Insulation resistance: 500 MΩ min. Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

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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 & CSA Certified, File no. E224053



0.3mm [.012"] CENTERLINE 0.5mm [.020"] CENTERLINE 0.8mm [.031"] CENTERLINE 1.0mm [.039"] CENTERLINE 1.25mm [.049"] CENTERLINE

PCA SERIES



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number TR = Tape and reel packaging



ADAM TECH ZIF FLEX CIRCUIT CONNECTOR

0.5mm [.020"] CENTERLINE

PCA SERIES



199 909 Rahway Avenue • Union, New Jersey 07083 906-687-5710 • WWW.ADA

ADAM TECH

ZIF FLEX CIRCUIT CONNECTOR 1.0mm [.039"] & 1.25mm [.049"] CENTERLINE

Adam Technologies, Inc.

PCA SERIES

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