

INTRODUCTION:

Adam Tech's Flat Cable DIP & Transition plugs are a one piece connector system that quickly and easily mass terminates flat cable then mounts directly to the PCB or PCB socket. These connectors are ideal for interconnecting PCB's in a permanent flat cable transition or satisfying disconnect applications. Our low profile design allows an increased board to board stacking density.

FEATURES:

Available in 8 – 64 positions
Eliminates need for two piece header & Socket set
Fast easy mass termination without stripping cable
Heavy duty Tin plated contacts
Low Profile, high density board to board stacking
Plugs into IC Socket or solders directly to PCB

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)

Contacts: Brass

Contact Plating:

G = Gold over nickel underplate on contact area, Tin over copper underplate on IDC area.

T = Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.

Current rating: 3 Amp max

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Recommended cable size: 28 Awg stranded

Temperature Rating:

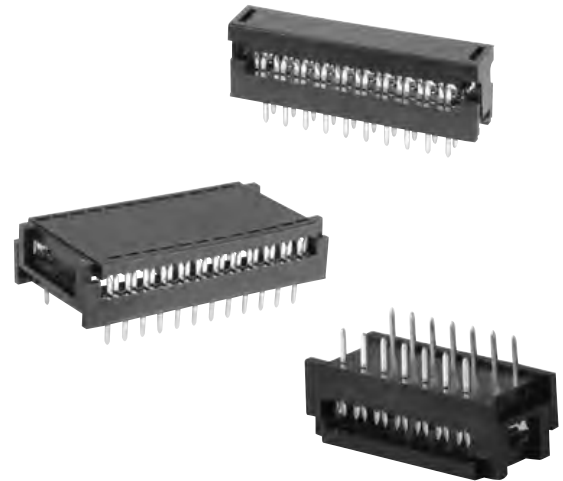
Operating temperature: -40°C to +105°C

PACKAGING:

Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized File no. E224053



ORDERING INFORMATION

FTR

40

T

SERIES INDICATOR

FTR = IDC Flat Cable
Transition Plug
.100" X .100"

FDP-3 = IDC Flat Cable
Dip Plug
.100" X .300"

FDP-6 = IDC Flat Cable
Dip Plug
.100" X .600"

PLATING

T = Tin plated
G = Gold plating
on tails

POSITIONS

FTR: 08, 10, 14, 16, 20, 24, 26,
28, 30, 34, 40, 50, 60, 64

FDP-3: .300" row spacing
Positions: 08, 10, 14, 16, 18, 20, 24,
26, 28, 34, 40

FDP-6: .600" row spacing
Positions: 24, 26, 28, 32, 34, 36, 40

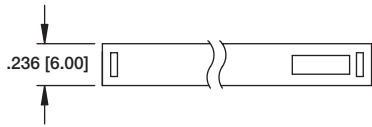
OPTIONS:

Add designator(s) to end of part number
30 = 30 μin gold plating in contact area
GY = Gray color insulator
RT = Board retention



FTR SERIES

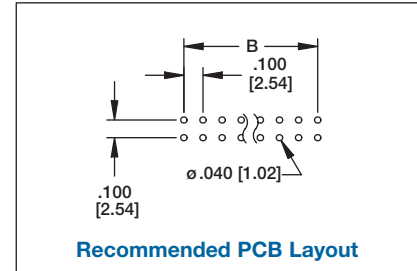
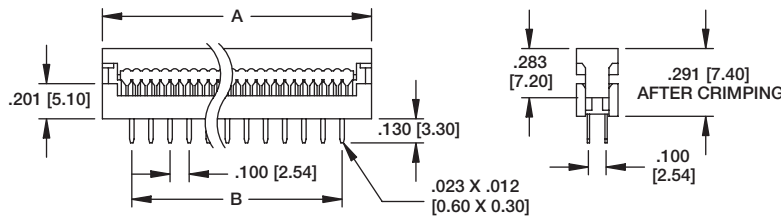
.100" X .100" (8P-64P)



A = .100 [2.54] x No. of Positions per row + .310 [7.88]
 B = .100 [2.54] x No. of Spaces per row



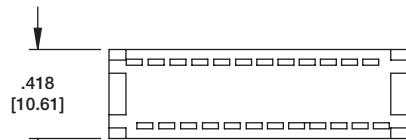
FTR-14-T



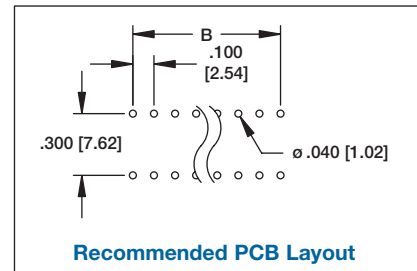
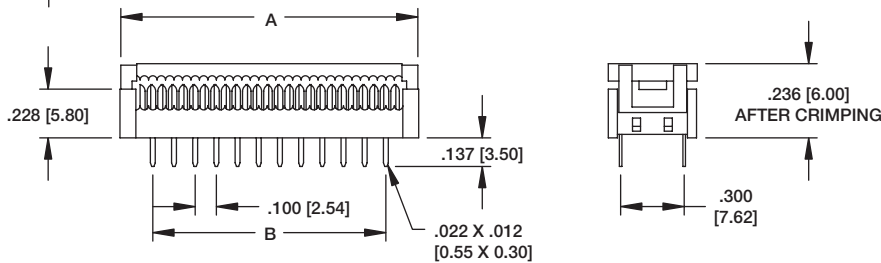
Recommended PCB Layout

FDP SERIES

.100" X .300" (8P-20P)



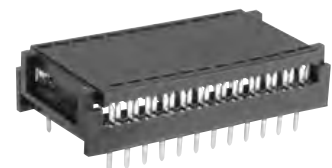
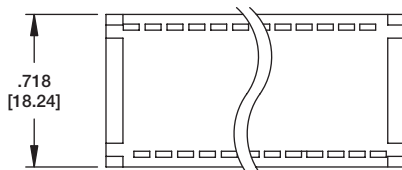
FDP-14-T



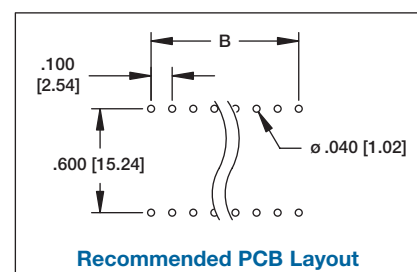
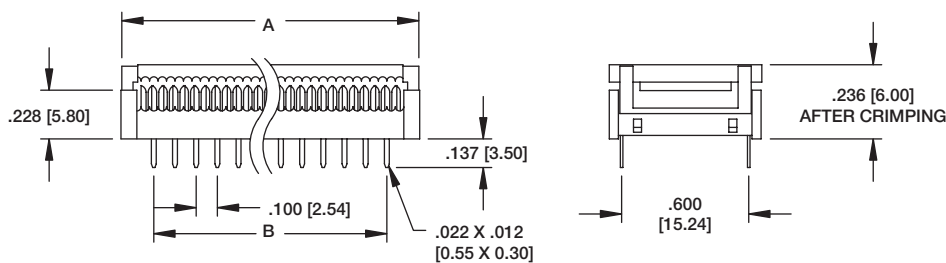
Recommended PCB Layout

FDP SERIES

.100" X .600" (24P-40P)



FDP-24-T



Recommended PCB Layout