

INTRODUCTION:

Adam Tech .050" IDC Sockets and Transition Plugs are low profile, precision designed flat cable connectors that feature either .050" x .100" centerlines or .050" x .050" centerlines. These series quickly and easily mass terminate flat cable in one simple step. Our superior contact design provides a smooth, high pressure wiping action to ensure excellent continuity. They are used with a single layer of .025" flat cable. Their small size, light weight and high density make them ideal for compact and limited space applications.

FEATURES:

- .050" x .050" or .050" x .100"
- Low Profile and High Density
- Uses Single layer .025" Flat Cable
- Quickly and easily mass terminates standard Flat Cable
- Smooth High Pressure Wiping Contacts

MATING CONNECTORS:

Adam Tech .050" HBHR series box headers, latch headers or HPH2 series pin headers

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0
 Insulator Color: Black
 Contacts: Phosphor Bronze

Contact Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
 Current rating: 1 Amp max.
 Contact resistance: 20 mΩ max. Initial
 Insulation resistance: 5000 MΩ min.
 Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 0.312 lbs per contact max.
 Withdrawal force: 0.094 lbs per contact min.
 Recommended wire size: 28 Awg stranded
 Cable retention: 22 lbs. min axial force per inch.
 Mating durability: 500 cycles min.

Temperature Rating:

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

PACKAGING:

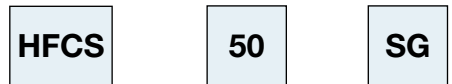
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION



SERIES INDICATOR

HFCS = Low profile
 .050" x .100" IDC
 Socket for single
 layer .025"
 Flat Cable

HFCS-A = Low profile
 .050" x .050" IDC
 Socket for single
 layer .025"
 Flat Cable

HFTR = .050" Transition
 plug

HFDP = .050" Paddleboard
 Connector for
 single layer .025"
 Flat Cable

FDH = 4 Row
 Transition plug

PLATING

SG = Selective
 gold plating
 in contact
 area, nickel
 plating in
 termination
 area

T = Tin plated
 (HFDP &
 FDH only)

POSITIONS

HFCS: 10, 20, 30, 40,
 50, 60, 70, 80,
 90, 100

HFCS-A: 10, 20, 26, 34,
 40, 50

HFDP: 30, 50, 68,
 72, 80, 100

HFTR: 10, 12, 14, 16,
 20, 22, 26, 30,
 34, 40, 44, 50

FDH: 10, 14, 16,
 20, 26, 34,
 40, 50, 60

OPTIONS

Add designator(s) to end of part number
N = No polarization bump (HFCS series)