

.050" IDC CONNECTORS

DUAL ROW SOCKETS & TRANSITION PLUGS

HFCS & HFDP SERIES

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 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 m Ω max. Initial Insulation resistance: 5000 M Ω 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:

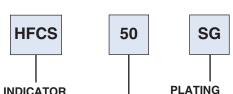
UL Recognized File No. E224053 CSA Certified File No. LR1578596







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

HFDP = .050" Paddleboard

Connector for single layer .025" Flat Cable

FDH = 4 RowTransition plug

SG = Selective gold plating in contact area T = Tin plated (HFDP)

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 **FDH:** 10, 14, 16, 20, 26, 34,

40, 50, 60

HFCS Strain Relief

Part No.: HFSR - XX (XX = No. of Positions)

OPTIONS

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