ADAM TECH

Adam Technologies, Inc.

INTRODUCTION:

Adam Tech 2FCS Series 2.00mm IDC Sockets are low profile, precision designed flat cable sockets that feature 2.00mm pin to pin and row to row centerlines. These sockets quickly and easily mass terminate flat cable in one simple step. Their versatility allows them to mate with a multitude of 2.00mm pin headers. Our superior selectively gold plated contact design provides a smooth high pressure wiping action to ensure excellent continuity. They are used with a single layer of 1.00mm flat cable. Their small size, light weight and high density make them ideal for compact and limited space applications.

FEATURES:

Low Profile and High Density Uses Single layer 1.00mm Flat Cable Quickly and easily mass terminates standard Flat Cable

MATING CONNECTORS:

Adam Tech 2.0mm 2BHR series box headers and 2PH series pin headers

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Insulator Color: Black Contacts: Phosphor Bronze

Contact Plating:

Gold flash (30 µin optional) over nickel underplate on contact area,

tin over copper underplate on IDC area

Electrical:

Operating voltage: 250V AC max. Current rating: 1 Amp max.

Contact resistance: 20 m Ω max. initial Insulation resistance: 3000 M Ω min.

Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

Insertion force: 0.661 lbs per contact max. Withdrawal force: 0.044 lbs per contact min. Recommended wire size: 30 - 28 Awg stranded Cable retention: 24 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



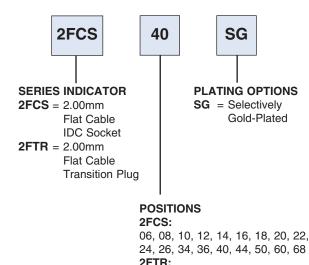


2.00mm IDC SOCKET & TRANSITION PLUG

.079" [2.00 X 2.00] CENTERLINE 2FCS & 2FTR SERIES



ORDERING INFORMATION



08, 10, 12, 14, 16, 20, 22, 24, 26,

30, 34, 40, 44, 50, 68

NOTE:

Mating Box Headers for this series located on page 264

OPTIONS:

Add designator(s) to end of part number $30 = 30 \mu$ in gold plating in contact area

PB = Polarizing bump