

.100" (2,54mm) IDC CABLE IDMS, IDMD, IDSS & IDSD SERIES

SPECIFICATIONS

IDSS, IDSD

For complete specifications see www.samtec.com?IDSS or www.samtec.com?IDSD

Insulator Material:

Black Glass Filled Polyester



Temperature Range:

-20°C to +105°C (Rainbow Cable)

-40°C to +105°C (Gray Cable)

Contact:

BeCu

Plating:

Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni

Current Rating:

1A

Contact Resistance:

10 mΩ max

Lead Size Range:

(0,56mm) .022" SQ to

(0,71mm) .028" SQ

Lead Insertion Depth:

(5,59mm) .220" to (6,22mm)

.245"

Insertion Force:

4oz avg

((0,64mm) .025" SQ probe)

Withdrawal Force:

3oz avg

((0,64mm) .025" SQ probe)

Wire:

28 AWG 7/36 stranded

Tinned Copper

SPECIFICATIONS

IDMS, IDMD

For complete specifications see www.samtec.com?IDMS or www.samtec.com?IDMD

Insulator Material:

Black Glass Filled Polyester



Temperature Range:

-20°C to +105°C (Rainbow Cable)

-40°C to +105°C (Gray Cable)

Terminal:

Phosphor Bronze

Plating:

Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni

Current Rating:

1A

Wire:

28 AWG 7/36 stranded

Tinned Copper

Note:

This Series is non-standard, non-returnable.

Mates with:
TSW, MTSW, TSM, EJJ

TYPE STRIP

ROW OPTION

NO. PINS PER ROW

END ASSEMBLY

IDM

= Standard Tail Male Plug

IDS

= Socket

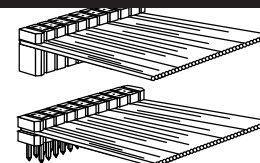
S

= Single

D

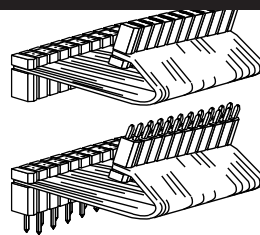
= Double
(Color coded cable
N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End



Socket or Male Plug on one end

-D = Double End



Socket or Male Plug on each end

-T = Transfer End



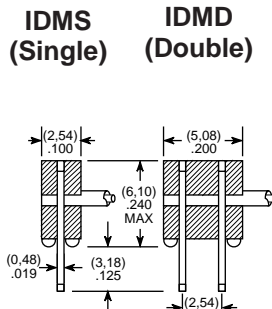
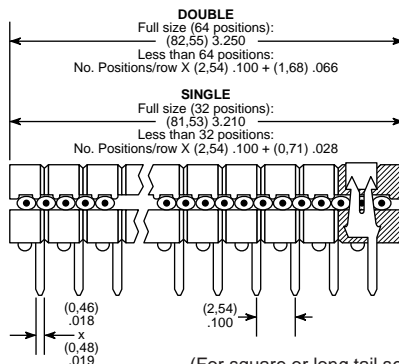
Male Plug on one end with socket on other. Begin part number with IDM.

ALSO AVAILABLE

Flex Test Links

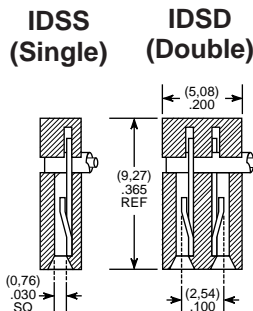
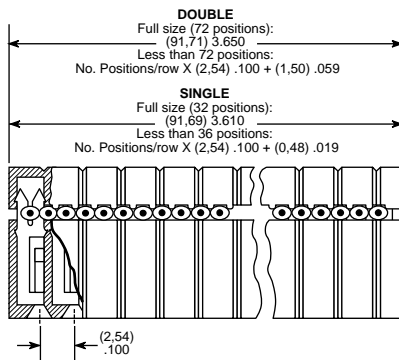
- Test PCBs that are normally stacked and mated parallel
- Unmate boards and reconnect with Test Link to expose components on boards
- Signals routed outside row to outside row and inside row to inside row (pin 1 to pin 2, pin 2 to pin 1, etc.)
- Standard 12" length flex circuit
- Mates with TSW/SSW connector sets
- For specifications see www.samtec.com?HTL

-02 thru -32



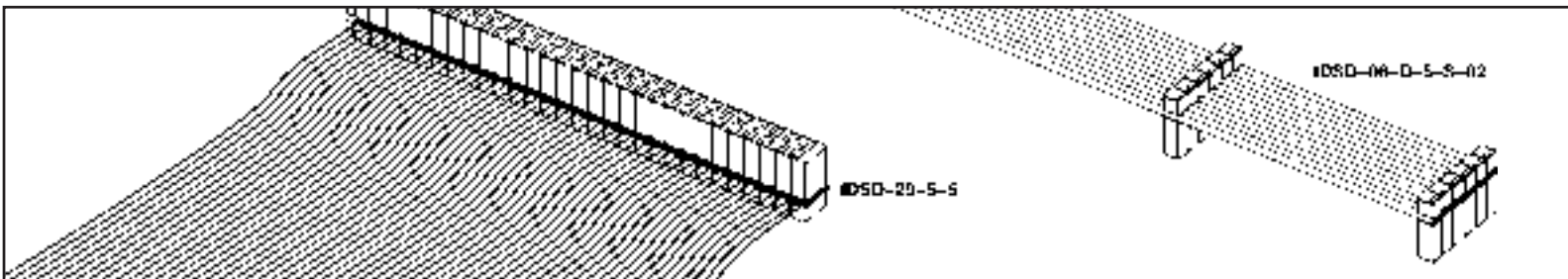
(For square or long tail see HCMX Series)

-02 thru -36



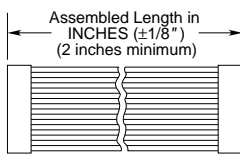
Due to technical progress, all designs, specifications and components are subject to change without notice.

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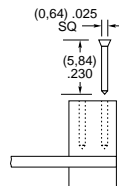
ASSEMBLED LENGTH

– “XX.XX”
= Assembled Length



OPTION

POLARIZING KEY



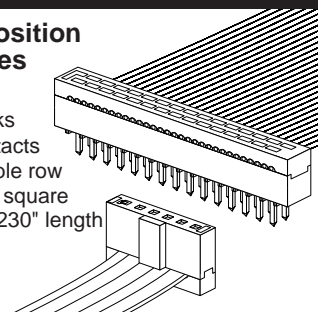
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

Order: Part Number PK-01-06

ALSO AVAILABLE

Molded-To-Position IDC Assemblies

- Low Profile
 - Skinny side locks
 - Dual beam contacts
 - Single and double row
 - (6,35mm) .025" square and (5,84mm) .230" length
- Call Samtec for HCXX Series.



–T = Tin Plating (Both ends)

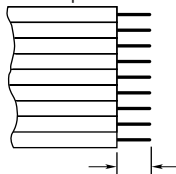
–C = 10μ" (0,25μm) Gold IDS (-T End Assembly Required)

–A = 10μ" (0,25μm) Gold IDM (-T End Assembly Required)

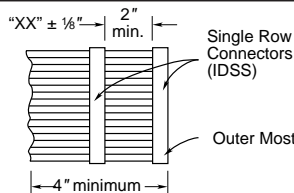
Standard plating is selective gold over BeCu contact for IDS; Selective gold over phosphor bronze for IDM.

–ST “X”
= Stripped & Tinned

Specify Suffix from table. All dimensions are ± 1/16". Not available in 28 positions and higher.

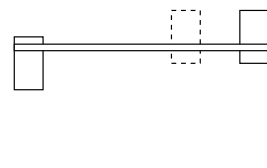


–S “XX”
= Daisy Chain Single

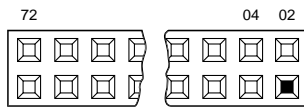


When mating double row connector with two single row connectors, the outer most single will be connected to Conductor #1 and the inside single to Conductor #2.

–R
= Reversed



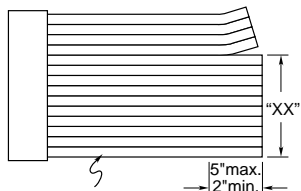
–P “XX”
= Polarized



Specify “XX” as position. For Double the same position will be polarized on both ends. (Not available on IDM or EDM, unless Transfer, then only the socket is polarized)

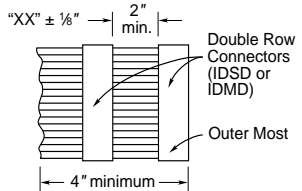
–B “XX”
= Breakout

Specify “XX” as number of conductors to be broken out.



Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

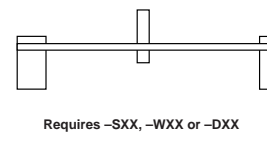
–D “XX”
= Daisy Chain, Double



–W “XX”
= Wiring Reversed Daisy Chain, Single

Same as –S “XX” except outer strip connected to Conductor #2 and inside strip connected to Conductor #1.

–M
= Middle Reversed



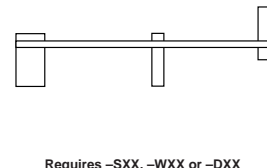
–G
= Gray Cable

Specify –G for Gray cable. Gray cable has one red edge. IDSS uses .100" centerline cable. IDSD and IDMD uses .050" centerline cable. Cable is 28 AWG 7/36 copper wire. Standard cable is same as above except color coded.

–RW
= Reversed Wiring

#1 wire opposite position #1.

–O
= Outside Reversed



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