samtec

IDMD–24–S–12.00–G

.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

UL FILE NO. E111594

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

Wire: 28 AWG 7/36 stranded Tinned Copper

Temperature Range: -20°C to +105°C (Rainbow Cable) -40°C to +105°C (Gray Cable)

Contact: BeCu

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: (Single contact only) 4oz avg. ((0,64mm) .025" SQ probe)

Withdrawal Force: (Single contact only) 3oz avg. ((0,64mm) .025" SQ probe)

RoHS Compliant: Yes

SPECIFICATIONS

IDMS, IDMD

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

Insulator Material: Black Glass Filled Polyester

UL FILE NO. E111594

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

Wire: 28 AWG 7/36 stranded Tinned Copper

Temperature Range: -20°C to +105°C (Rainbow Cable) -40°C to +105°C (Gray Cable)

Terminal: Phosphor Bronze

Current Rating: 1A

RoHS Compliant: Yes

Note: This Series is non-standard, non-returnable.

Mates with: TSW, MTSW, TSM, EJH

IDSD Mates with: TST, HTST, ZST

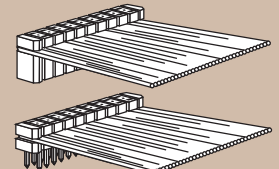| TYPE STRIP | ROW OPTION | — | NO. PINS PER ROW | — | END ASSEMBLY | — |

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.)

END ASSEMBLY
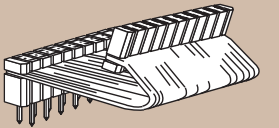
–S = Single End

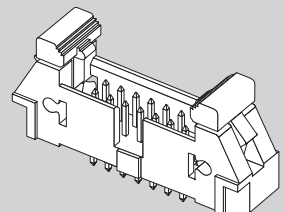Socket or Male Plug on one end

–D = Double End
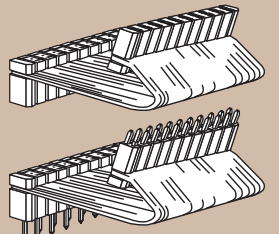
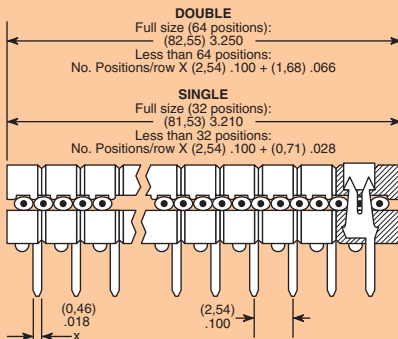

Socket or Male Plug on each end

–T = Transfer End

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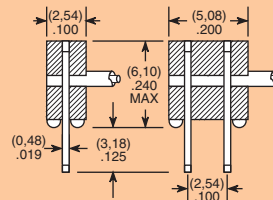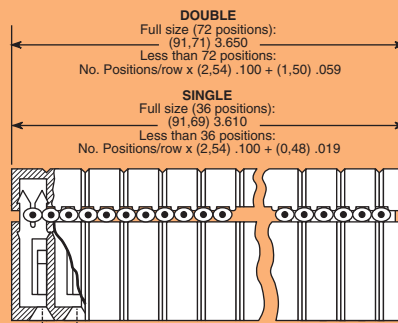
EJECTOR HEADER
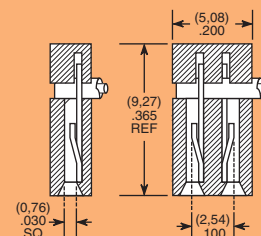

See EJH Series.

–02 thru –32

DOUBLE
Full size (64 positions): (82,55) 3.250
Less than 64 positions: No. Positions/row X (2,54) .100 + (1,68) .066

SINGLE
Full size (32 positions): (81,53) 3.210
Less than 32 positions: No. Positions/row X (2,54) .100 + (0,71) .028

IDMS (Single)   **IDMD (Double)**

(0,46) .018 x (0,48) .019

(2,54) .100

(2,54) .100

(5,08) .200

(6,10) .240 MAX

(0,48) .019

(3,18) .125

(2,54) .100

(For square or long tail see HCMX Series)

–02 thru –36

DOUBLE
Full size (72 positions): (91,71) 3.650
Less than 72 positions: No. Positions/row x (2,54) .100 + (1,50) .059

SINGLE
Full size (36 positions): (91,69) 3.610
Less than 36 positions: No. Positions/row x (2,54) .100 + (0,48) .019

IDSS (Single)   **IDSD (Double)**

(2,54) .100

(5,08) .200

(9,27) .365 REF

(0,76) .030 SQ

(2,54) .100

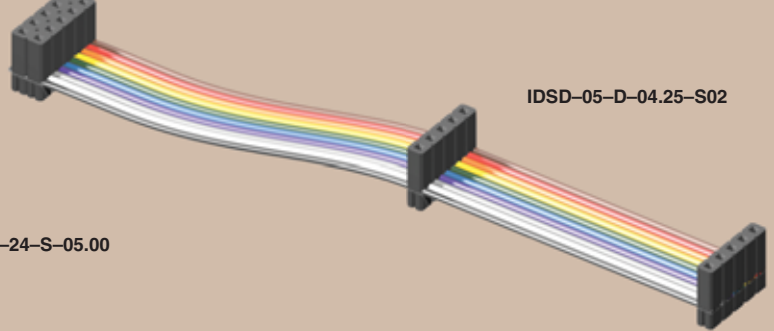*Due to technical progress, all designs, specifications and components are subject to change without notice.*
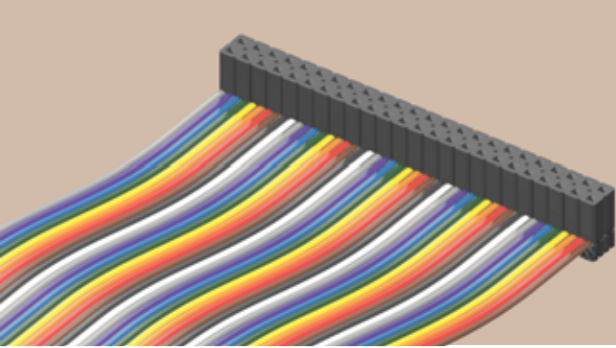
IDSD–05–D–04.25–S02

IDSD–24–S–05.00

ASSEMBLED LENGTH

OPTION

ALSO AVAILABLE

– "XX.XX"
= Assembled Length

Assembled Length in INCHES (±⅛")
(2 inches minimum)

POLARIZING KEY

(0,64) .025 SQ
(5,84) .230
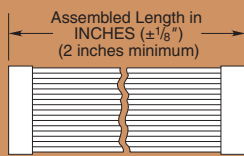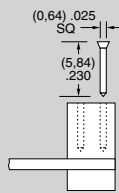
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

Order: Part Number PK-01-06
(Available in wheels of six each)

Molded-To-Position IDC Assembles
• Low Profile
• Skinny side locks
• Dual beam contacts
• Single and double row
• (6,35mm) .025" square and (5,84mm) .230" length tail available

Call Samtec for HCXX Series.
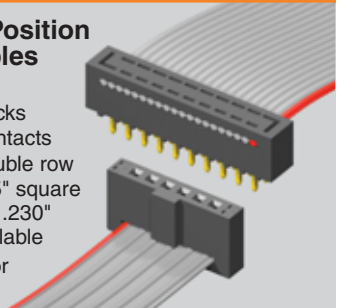
–T = Tin Plating (Both ends)

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

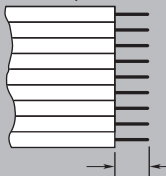**–A** = 10µ" (0,25µm) Gold IDM Tin IDS (-T End Assembly Required)

Standard plating is selective gold over BeCu contact for IDS; Selective gold over phosphor bronze for IDM.
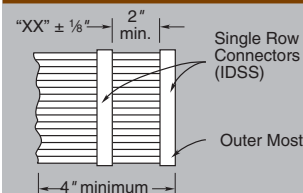
1

–P "XX"
=Polarized

72   04   02

71   03   01

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.)

2

–G
= Gray Cable

Specify –G for Gray cable. Gray cable has one red edge. IDSS and IDMS 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.

3

–ST "X"
= Stripped & Tinned

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

–ST8	1/8" (3,18)
–ST4	1/4" (6,35)
–ST2	1/2" (12,70)
–ST3	3/8" (9,53)

4

–B "XX"
= Breakout

Specify "XX" as number of conductors to be broken out.

"XX"

5"max. 2"min.

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

5

–RW
= Reversed Wiring

#1 wire opposite position #1.

6

–S "XX"
= Daisy Chain Single

"XX" ± ⅛"   2" min.

Single Row Connectors (IDSS)

Outer Most

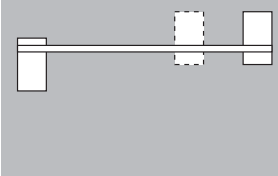4" minimum

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.
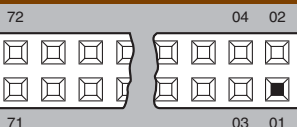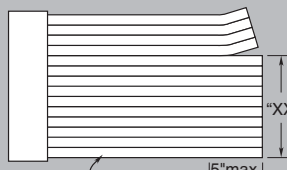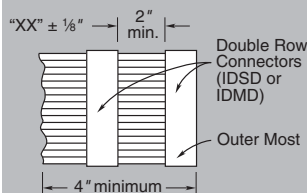
7

–D "XX"
= Daisy Chain, Double

"XX" ± ⅛"   2" min.

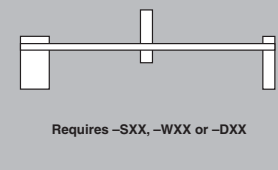Double Row Connectors (IDSD or IDMD)

Outer Most

4" minimum

7

–W "XX"
= Wiring Reversed Daisy Chain, Single

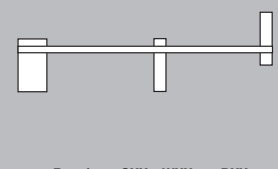Same as –S "XX" except outer strip connected to Conductor #2 and inside strip connected to Conductor #1.

7

–R
= Reversed

8

–M
= Middle Reversed

Requires –SXX, –WXX or –DXX

8

–O
= Outside Reversed

Requires –SXX, –WXX or –DXX

8

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

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