

IDMD-24-D-12.00-G

(2.54 mm) .100"

SLIM BODY FLAT RIBBON IDC CABLES

SPECIFICATIONS

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

Insulator Material: Black Glass Filled Polyester
Plating: Au over 50 μm (1.27 μm) Ni or Sn over 100 μm (2.54 μm) Cu or 50 μm (1.27 μm) 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 (IDSS/IDSD): BeCu
Terminal (IDMS/IDMD): Phosphor Bronze
Current Rating (IDSD/TST): 3.4 A per pin (2 pins powered)
Current Rating (IDMD): 3 A per pin (2 pins powered)

Lead Size Range: (0.56 mm) .022" SQ to (0.71 mm) .028" SQ
Lead Insertion Depth: (5.59 mm) .220" to (6.22 mm) .245"
RoHS Compliant: Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

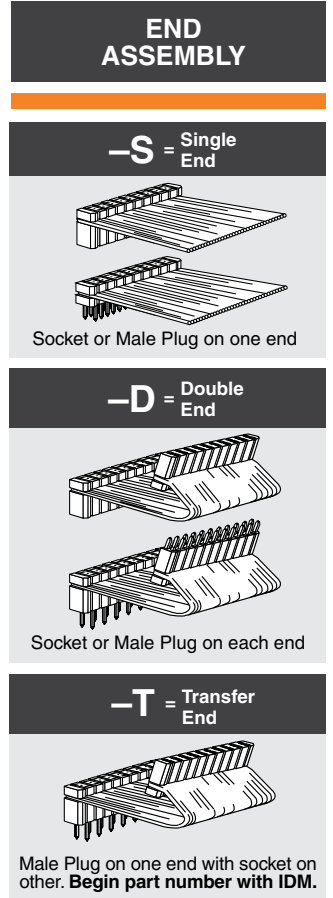
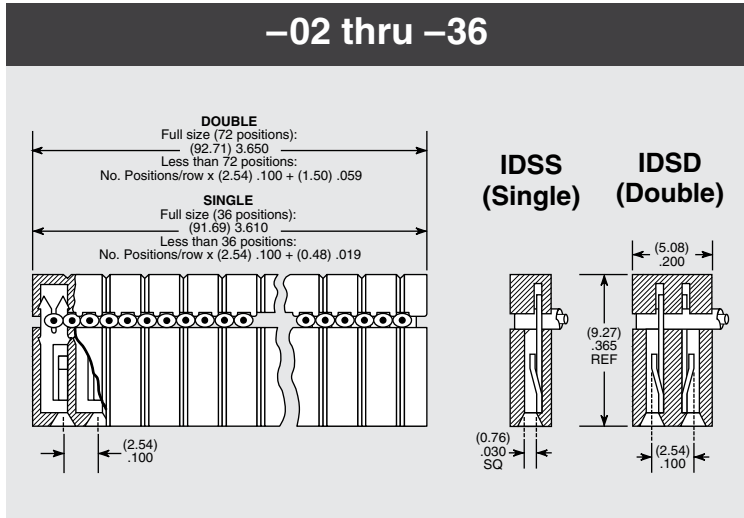
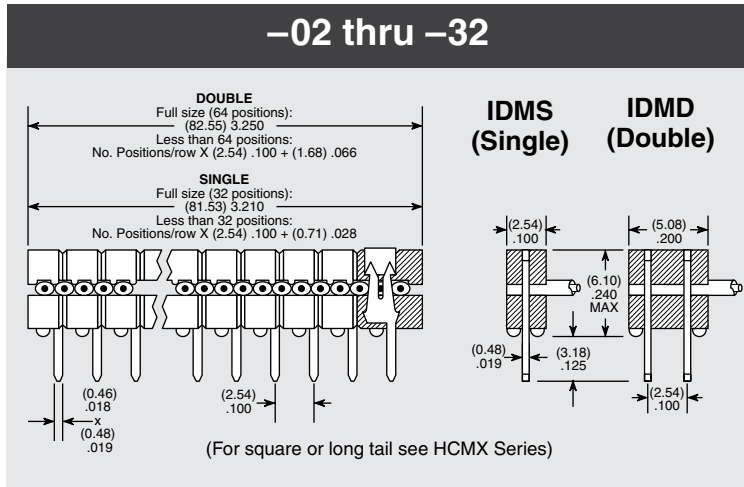
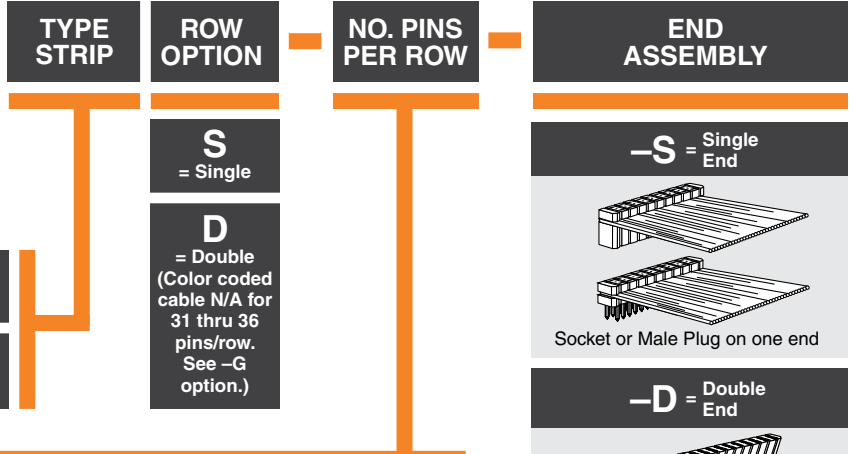


Mates with:

TSW, MTSW, TSM, EJH, PHT, HMTSW, HTSW, HW, DW, EW, ZW, MTLW

IDSD Mates with:

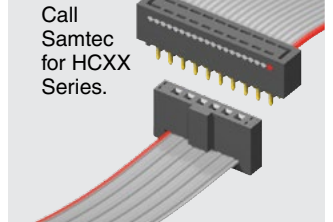
TST, HTST, ZST, BST, EJH



OTHER SOLUTIONS

Molded-To-Position IDC Assemblies

- Low profile
- Skinny side locks
- Dual beam contacts
- Single and double row
- (3.05 mm) .120" and (5.84 mm) .230" length tail available



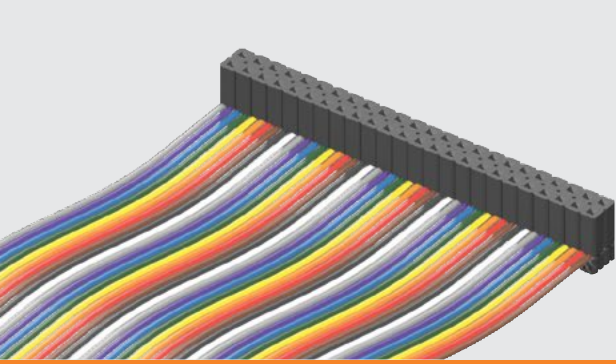
Call Samtec for HCXX Series.

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

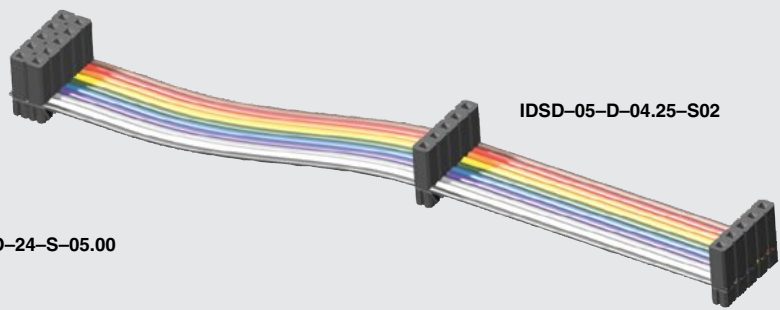
Due to technical progress, all designs, specifications and components are subject to change without notice.

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IDSD-24-S-05.00

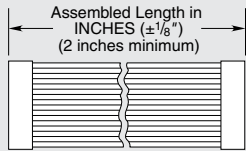


IDSD-05-D-04.25-S02

IDSS, IDSD, IDMS, IDMD SERIES

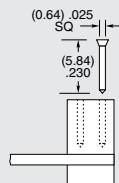
ASSEMBLED LENGTH

— “XX.XX”
= Assembled Length



OPTION

POLARIZING KEY



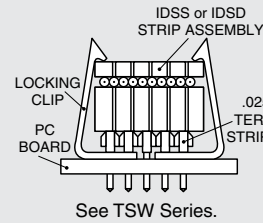
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

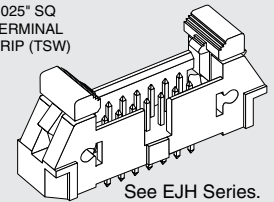
EJECTOR HEADERS & LOCKING CLIPS

RUGGEDIZED BY SAMTEC

- Ejector headers
- Locking clips



See TSW Series.



See EJJ Series.

—T = Tin Plating (Both ends)

—C = Tin IDM = 10 μm (0.25 μm) Gold IDS (-T End Assembly Required)

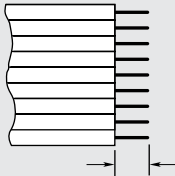
—A = 10 μm (0.25 μm) Gold IDM = Tin IDS (-T End Assembly Required)

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

1

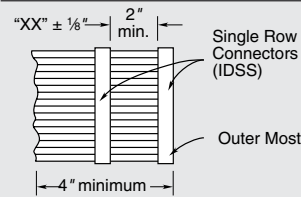
—ST “X” = Stripped & Tinned

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



4

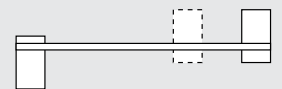
—S “XX” = Daisy Chain Single



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.

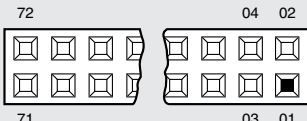
7

—R = Reversed



8

—P “XX” = Polarized



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

2

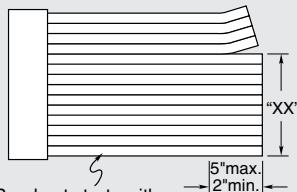
—G = Gray Cable

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

—B “XX” = Breakout

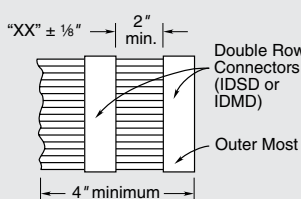
Specify “XX” as number of conductors to be broken out.



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

5

—D “XX” = Daisy Chain, Double



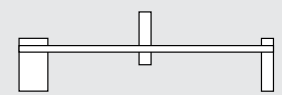
7

—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

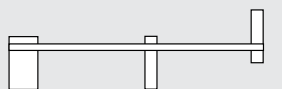
—M = Middle Reversed



Requires -SXX, -WXX or -DXX

8

—O = Outside Reversed



Requires -SXX, -WXX or -DXX

8

—RW = Reversed Wiring

#1 wire opposite position #1.

6

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