SLIM BODY FLAT RIBBON IDC CABLES

(2.54 mm) .100" PITCH • IDSS/IDSD/IDMS/IDMD SERIES

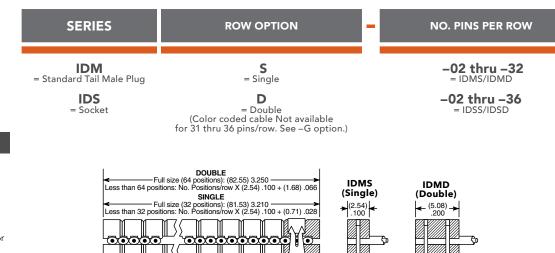
IDSS/IDMS/IDMD

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

IDSD Mates: TST, HTST, ZST, EJH

SPECIFICATIONS

Insulator Material: Black Glass Filled Polyester Contact (IDSS/IDSD): BeCu Terminal (IDMS/IDMD): Phosphor Bronze Plating: Au over 50 μ" (1.27 μm) Ni or Sn over 100 μ" (2.54 μm) Cu or 50 μ" (1.27 μm) Ni Wire: 28 AWG 7/36 stranded Tinned CopperWeb footer Current Rating (IDMD): 3 A per pin (2 pins powered) **Temperature Range:** -20 °C to +105 °C (Rainbow Cable) -40 °C to +105 °C (Gray Cable) (Gray Cable) Voltage Rating: 425 VAC/600 VDC Lead Size Range: (0.56 mm).022" SQ to (0.71 mm).028" SQ Lead Insertion Depth: (5.50 mm).220" to (5.59 mm) .220" to (6.22 mm) .245"



(For square or long tail see HCMX Series)

IDMX shown

Full size (72 positions): (92.71) 3.650

Less than 72 positions: No. Positions/row x (2.54) .100 + (1.50) .059

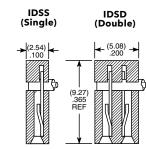
SINGLE

Less than 36 positions: No. Positions/row x (2.54) .100 + (1.50) .059

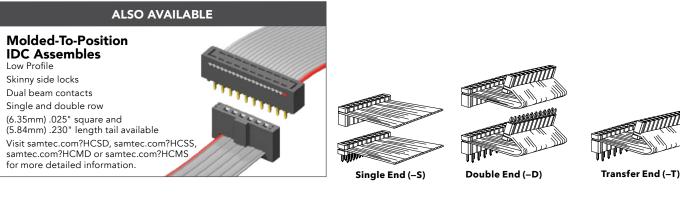
Single

Less than 36 positions: No. Positions/row x (2.54) .100 + (0.48) .019

Image: Single Single



IDSX shown



Note:

This Series is non-standard, non-returnable.

F-224

samtec.com?IDSS, samtec.com?IDSD, samtec.com?IDMS or samtec.com?IDMD

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.





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)

$\stackrel{\text{Assembled Length III}}{\longleftarrow} \text{INCHES } (\pm^{1}/_{8}") (2 \text{ inches minimum})$						

Assembled Length (-"XX.XX")

	ASSEM	BLED	LENGH	TH
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-"XX.XX" = Assembled Length

–T = Tin Plating (Both Ends)

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

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

-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.)

-G = Gray Cable Specify -G for Gray cable. Gray cable has one red edge. IDSS and IDMS uses (2.54 mm) .100" centerline cable. IDSD and IDMD uses (1.27 mm) .050" centerline cable. Cable is 28 AWG 7/36 copper wire. Standard cable is same as above except color

-ST "X" = Stripped & Tinned (Specify Suffix from table) (All dimensions are ± 1/16" (1.59 mm) (Not available in 28 positions and higher)

-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)

OPTION

-RW = Reverse Wiring (#1 wire opposite position #1)

-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)

> **-D "XX"** = Daisy Chain, Double

-W "XX" = Wiring Reverse Daisy Chain, Single (Same as -S "XX" except outer strip connected to Conductor #2 and inside strip connected to Conductor #1)

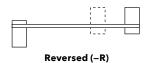
-R = Reversed

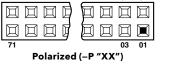
-M = Middle Reversed (Requires -SXX, -WXX or -DXX)

-O = Outside Reversed (Requires –SXX, –WXX or –DXX)

_ST8 _ST4	¹ / ₈ " (3.18) ¹ / ₄ " (6.35)
-ST2	¹ / ₂ " (12.70)
-ST3	³ /8" (9.53)

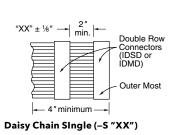


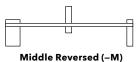




5"max. Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.









Outside Reversed (-O)

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