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:
TSS, HTSS, ZSS, 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)
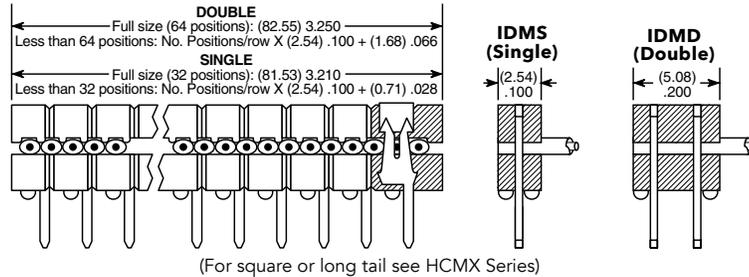**Voltage Rating:**
425 VAC/600 VDC
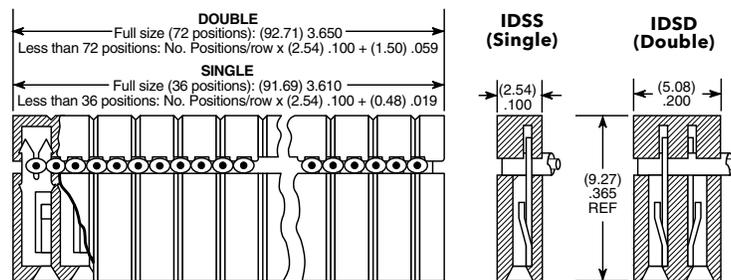**Lead Size Range:**
(0.56 mm) .022" SQ to
(0.71 mm) .028" SQ
Lead Insertion Depth:
(5.59 mm) .220" to
(6.22 mm) .245"

SERIES	ROW OPTION	NO. PINS PER ROW
IDM = Standard Tail Male Plug	**S** = Single	**–02 thru –32** = IDMS/IDMD
IDS = Socket	**D** = Double (Color coded cable Not available for 31 thru 36 pins/row. See –G option.)	**–02 thru –36** = IDSS/IDSD

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) (2.54) .100

IDMD (Double) (5.08) .200

(For square or long tail see HCMX Series)

IDMX shown

DOUBLE
Full size (72 positions): (92.71) 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) (2.54) .100

IDSD (Double) (5.08) .200

(9.27) .365 REF

IDSX shown

ALSO AVAILABLE

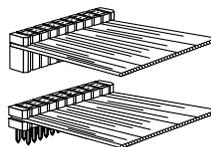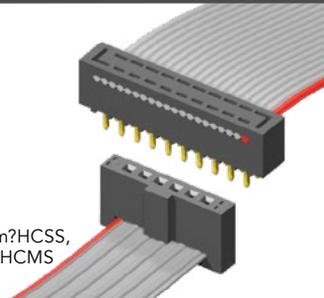### Molded-To-Position IDC Assembles
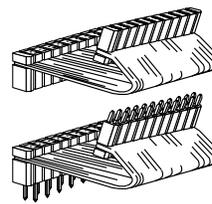Low Profile

Skinny side locks

Dual beam contacts

Single and double row

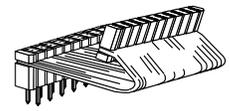(6.35mm) .025" square and (5,84mm) .230" length tail available

Visit samtec.com?HCSD, samtec.com?HCSS, samtec.com?HCMD or samtec.com?HCMS for more detailed information.

Single End (–S)   **Double End (–D)**   **Transfer End (–T)**

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

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

END ASSEMBLY	ASSEMBLED LENGHTH	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)

ASSEMBLED LENGHTH

–"XX.XX"
= Assembled Length

OPTION

–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)

–RW
= Reversed 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
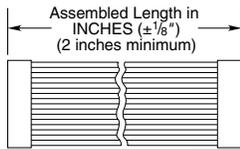be connected to Conductor #1 and
the inside single to Conductor #2)

–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
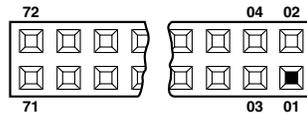strip connected to Conductor #1)

–R
= Reverse

–M
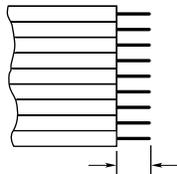= Middle Reverse
(Requires –SXX, –WXX or –DXX)

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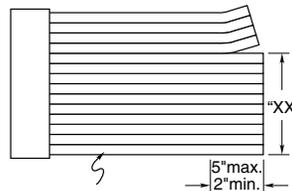(Requires –SXX, –WXX or –DXX)

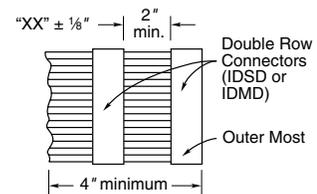**Assembled Length (–"XX.XX")**

Polarized (–P "XX")

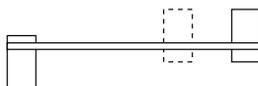|	
–ST8	¹⁄₈" (3.18)
–ST4	¹⁄₄" (6.35)
–ST2	¹⁄₂" (12.70)
–ST3	³⁄₈" (9.53)

Stripped & Tinned (–ST "X")

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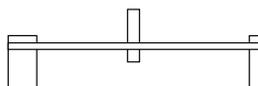by brown wire or red stripe.
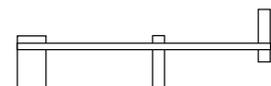Shown on top side.

Breakout (–B "X")

Daisy Chain SIngle (–S "XX")

Reverse (–R)

Middle Reverse (–M)

Outside Reverse (–O)