

# 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, BST, EJH

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

## SPECIFICATIONS

### Insulator Material:

Black Glass Filled Polyester

### Contact (IDSS/IDSD):

BeCu

### Terminal (IDMS/IDMD):

Phosphor Bronze

### Plating:

Au over 50  $\mu$ " (1.27  $\mu$ m) Ni or  
Sn over 100  $\mu$ " (2.54  $\mu$ m) Cu or  
50  $\mu$ " (1.27  $\mu$ m) Ni

### Wire:

28 AWG 7/36 stranded

Tinned Copper

### Current Rating (IDSD/TST):

3.4 A per pin

(2 pins powered)

### 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:

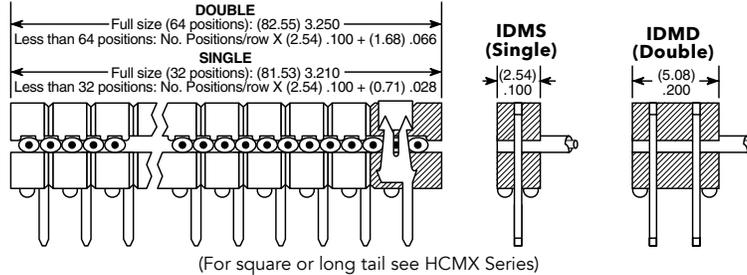
(0.56 mm) .022" SQ to

(0.71 mm) .028" SQ

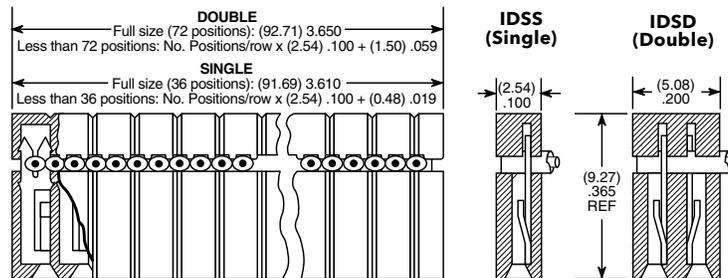
### Lead Insertion Depth:

(5.59 mm) .220" to

(6.22 mm) .245"



IDMX shown



IDSX shown

## ALSO AVAILABLE

### Molded-To-Position IDC Assemblies

Low Profile

Skinny side locks

Dual beam contacts

Single and double row

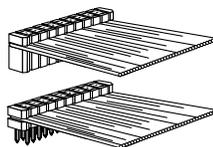
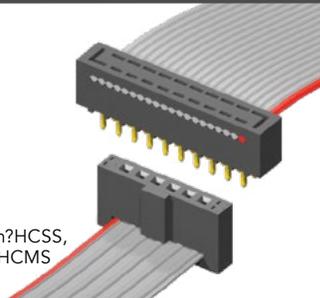
(6.35mm) .025" square and

(5.84mm) .230" length tail available

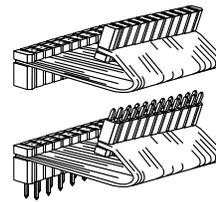
Visit [samtec.com?HCSD](http://samtec.com?HCSD), [samtec.com?HCSS](http://samtec.com?HCSS),

[samtec.com?HCMD](http://samtec.com?HCMD) or [samtec.com?HCMS](http://samtec.com?HCMS)

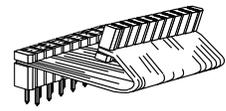
for more detailed information.



Single End (-S)



Double End (-D)



Transfer End (-T)

### Note:

This Series is non-standard,  
non-returnable.

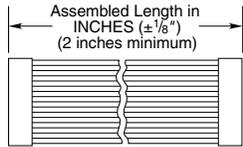


### END ASSEMBLY

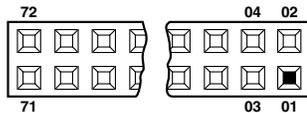
**-S**  
= Single End  
(Socket or Male Plug on one end)

**-D**  
= Double End  
(Socket or Male Plug on each end)

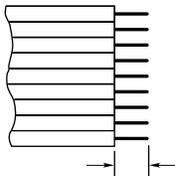
**-T**  
= Transfer End  
(Male Plug on one end with socket on other.  
Begin part number with IDM)



**Assembled Length (-"XX.XX")**

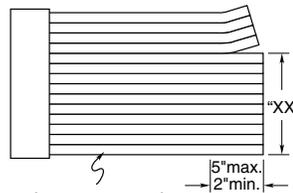


**Polarized (-P "XX")**



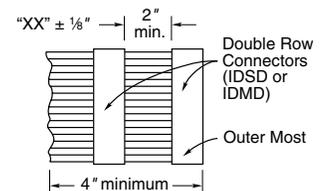
-ST8	1/8" (3.18)
-ST4	1/4" (6.35)
-ST2	1/2" (12.70)
-ST3	3/8" (9.53)

**Stripped & Tinned (-ST "X")**

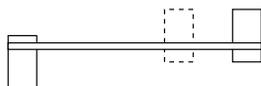


Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

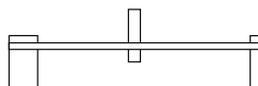
**Breakout (-B "X")**



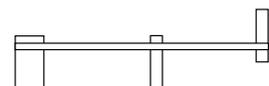
**Daisy Chain Single (-S "XX")**



**Reverse (-R)**



**Middle Reverse (-M)**



**Outside Reverse (-O)**

### ASSEMBLED LENGTH

**-"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)