

IDMD-24-S-12.00-G

(2,54mm) .100"

IDSS, IDSD, IDMS, IDMD SERIES

# SLIM BODY FLAT RIBBON IDC CABLES

## SPECIFICATIONS

### IDSS, IDSD

For complete specifications see [www.samtec.com?IDSS](http://www.samtec.com?IDSS) or [www.samtec.com?IDSD](http://www.samtec.com?IDSD)

#### Insulator Material:

Black Glass Filled Polyester



#### 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:

15 mΩ max delta from initial

#### 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

#### Mates with:

TSW, MTSW, TSM, EJH, PHT

#### IDSD Mates with:

TST, HTST, ZST

TYPE STRIP

ROW OPTION

NO. PINS PER ROW

END ASSEMBLY

IDM

= Standard Tail Male Plug

IDS

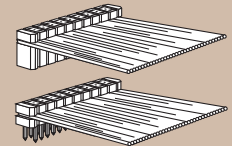
= Socket

S = Single

D = Double

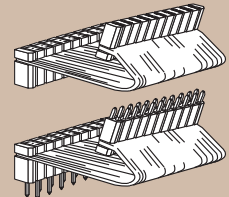
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End



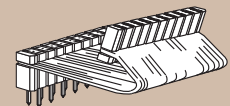
Socket or Male Plug on one end

-D = Double End



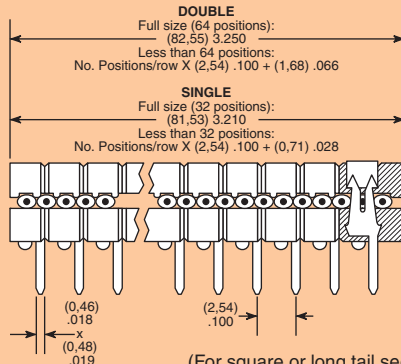
Socket or Male Plug on each end

-T = Transfer End



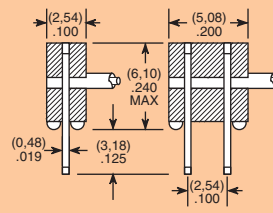
Male Plug on one end with socket on other. Begin part number with IDM.

## -02 thru -32



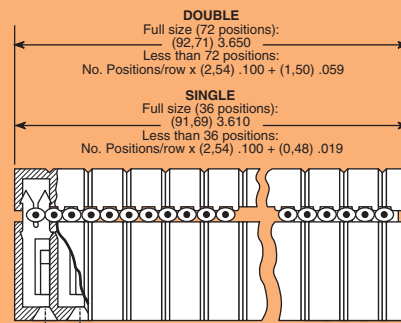
IDMS (Single)

IDMD (Double)



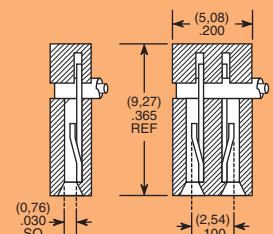
(For square or long tail see HCMX Series)

## -02 thru -36



IDSS (Single)

IDSD (Double)



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

WWW.SAMTEC.COM

## SPECIFICATIONS

### IDMS, IDMD

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#### Insulator Material:

Black Glass Filled Polyester



#### 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

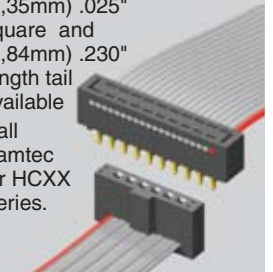
#### Note:

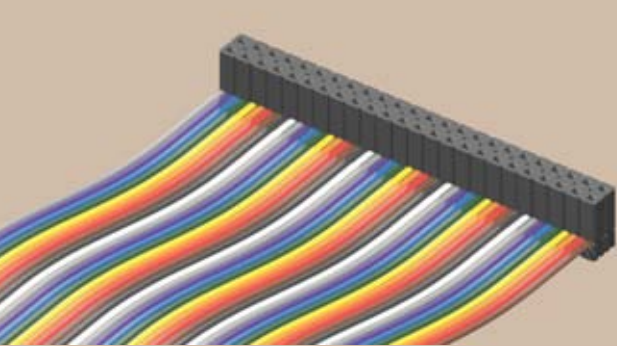
This Series is non-standard, non-returnable.

## ALSO AVAILABLE

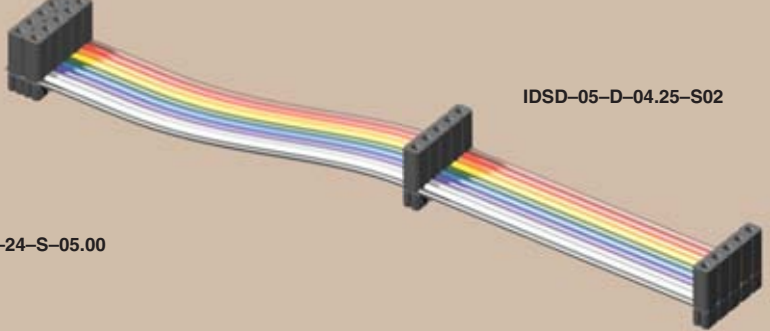
### Molded-To-Position IDC Assemblies

- Low Profile
  - Skinny side locks
  - Dual beam contacts
  - Single and double row
  - (6,35mm) .025" square and (5,84mm) .230" length tail available
- Call Samtec for HCXX Series.





IDSD-24-S-05.00



IDSD-05-D-04.25-S02

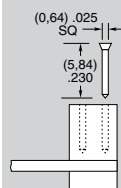
**ASSEMBLED LENGTH**

— “XX.XX”  
= Assembled Length



**OPTION**

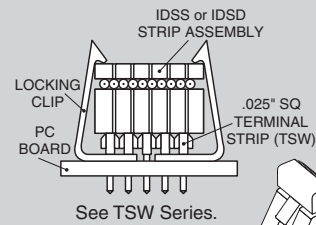
**POLARIZING KEY**



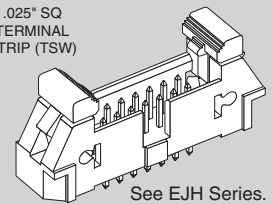
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

**EJECTOR HEADERS & LOCKING CLIPS**



- Ejector headers
- Locking clips



—T = Tin Plating  
(Both ends)

—C = Tin IDM  
= 10 $\mu$  (0,25 $\mu$ m) Gold IDS  
(-T End Assembly Required)

—A = 10 $\mu$  (0,25 $\mu$ m) Gold IDM  
= Tin IDS  
(-T End Assembly Required)

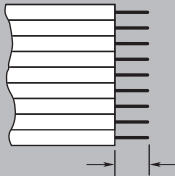
Standard plating is selective gold over BeCu contact for IDS; Selective gold over phosphor bronze for IDM.

1

—ST “X”

= Stripped & Tinned

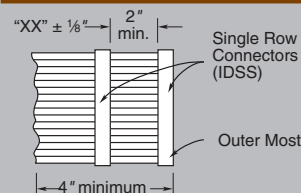
Specify Suffix from table.  
All dimensions are  $\pm 1/16"$ .  
Not available in 28 positions and higher.



4

—S “XX”

= Daisy Chain Single

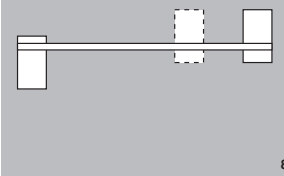


When mating double row connector with two single row connectors, the outer most single will be connected to Conductor #1 and the inside single to Conductor #2.

7

—R

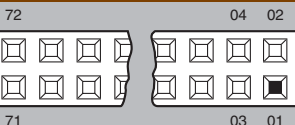
= Reversed



8

—P “XX”

= Polarized



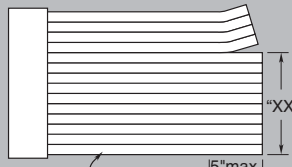
Specify “XX” as position. For Double the same position will be polarized on both ends. (Not available on IDM or EDM, unless transfer, then only the socket is polarized.)

2

—B “XX”

= Breakout

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

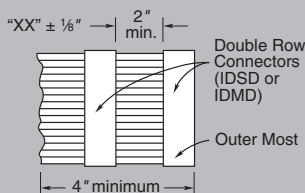


Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

5

—D “XX”

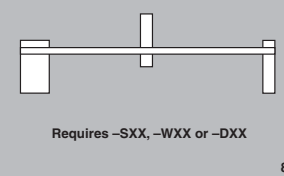
= Daisy Chain, Double



7

—M

= Middle Reversed



8

—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

—RW

= Reversed Wiring

#1 wire opposite position #1.

6

—W “XX”

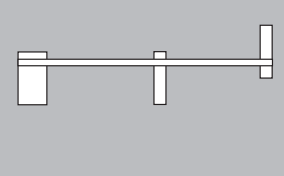
= Wiring Reversed Daisy Chain, Single

Same as -S “XX” except outer strip connected to Conductor #2 and inside strip connected to Conductor #1.

7

—O

= Outside Reversed



8

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