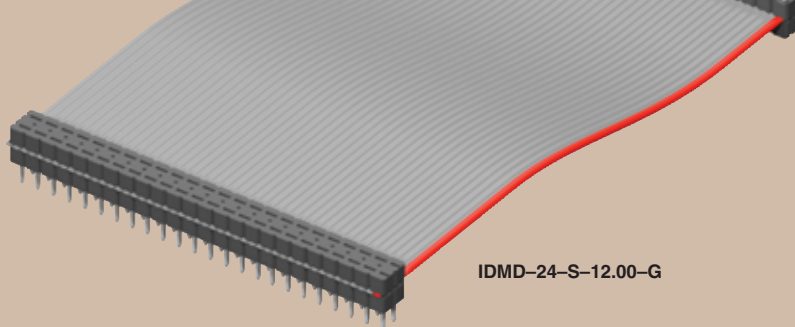




IDMD-24-S-12.00-G

(2,54 mm) .100"

# SLIM BODY FLAT RIBBON IDC CABLES

## SPECIFICATIONS

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

### Insulator Material:

Black Glass Filled Polyester

### Plating:

Au over 50µ" (1,27 µm) Ni or Sn over 100µ" (2,54 µm) Cu or 50µ" (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

### Current Rating (IDMD):

3 A per pin

### Contact Resistance:

15 mΩ

### 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"

### Insertion Force:

(Single contact only)

4 oz (1,11 N) avg.

((0,64 mm) .025" SQ probe)

### Withdrawal Force:

(Single contact only)

3 oz (0,83 N) avg.

((0,64 mm) .025" SQ probe)

### RoHS Compliant:

Yes

### Mates with:

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

### IDSD Mates with:

TST, HTST, ZST,  
BST, EJH

**IDM**

= Standard Tail Male Plug

**IDS**

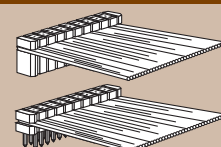
= Socket

**TYPE STRIP**
**ROW OPTION**
**NO. PINS PER ROW**
**END ASSEMBLY**
**S**

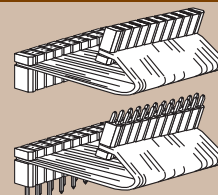
= Single

**D**

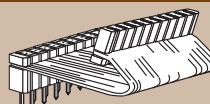
= Double  
(Color coded  
cable N/A for  
31 thru 36  
pins/row.  
See -G  
option.)

**-S = Single End**


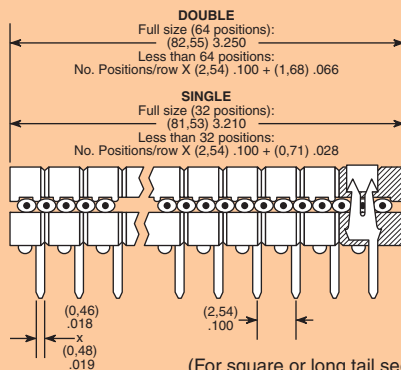
Socket or Male Plug on one end

**-D = Double End**


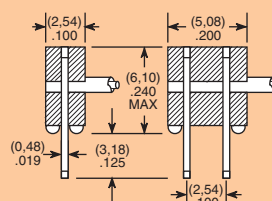
Socket or Male Plug on each end

**-T = Transfer End**


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

**-02 thru -32**


(For square or long tail see HCMX Series)

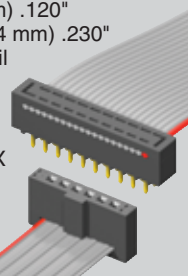
**IDMS (Single)**
**IDMD (Double)**


## 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.



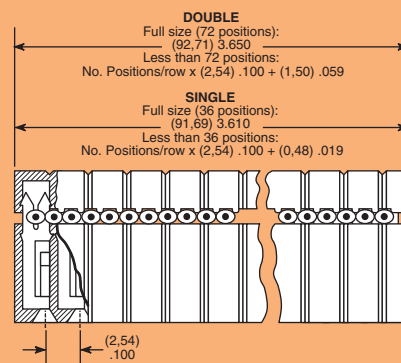
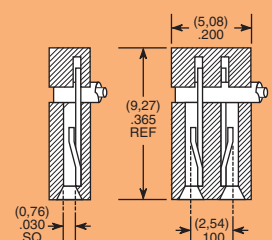
## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



### Note:

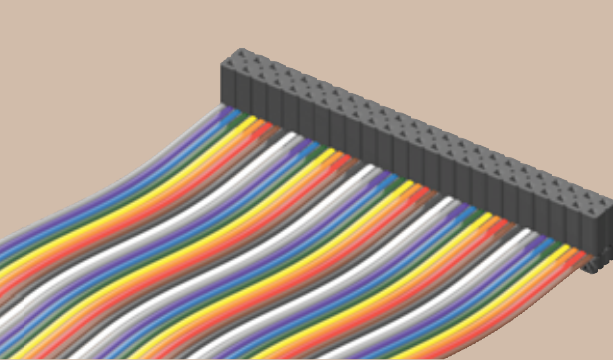
This Series is non-standard, non-returnable.

**-02 thru -36**

**IDSS (Single)**
**IDSD (Double)**


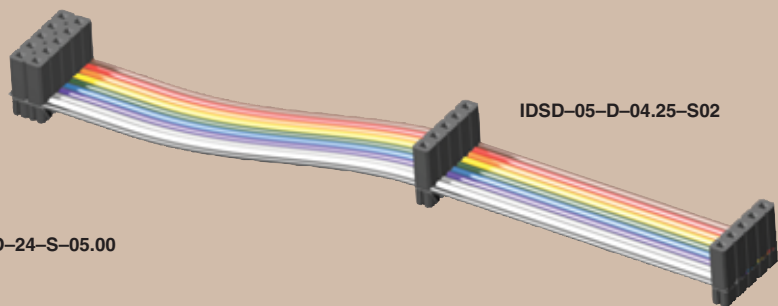
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IDSD-24-S-05.00

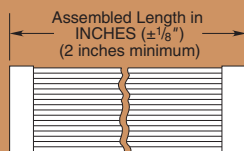


IDSD-05-D-04.25-S02

## IDSS, IDSD, IDMS, IDMD SERIES

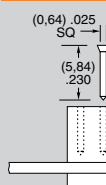
### ASSEMBLED LENGTH

— “XX.XX”  
= Assembled Length



### OPTION

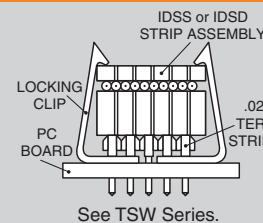
#### POLARIZING KEY



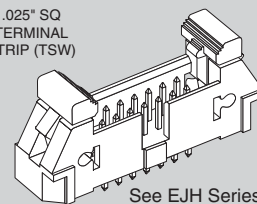
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

### EJECTOR HEADERS & LOCKING CLIPS



See TSW Series.



- Ejector headers
- Locking clips

—T = Tin Plating  
(Both ends)

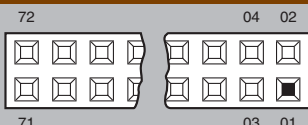
—C = Tin IDM  
= 10μ" (0.25 μm) Gold IDS  
(-T End Assembly Required)

—A = 10μ" (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

—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

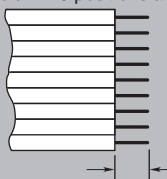
—G  
= Gray Cable

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

—ST “X”  
= Stripped & Tinned

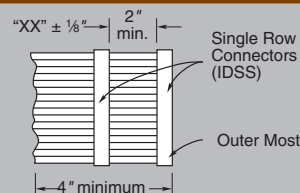
Specify Suffix from table.  
All dimensions are ± 1/16".  
Not available in 28 positions and higher.



|      |              |
|------|--------------|
| —ST8 | 1/8" (3,18)  |
| —ST4 | 1/4" (6,35)  |
| —ST2 | 1/2" (12,70) |
| —ST3 | 3/8" (9,53)  |

4

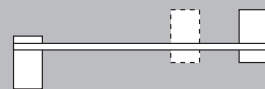
—S “XX”  
= Daisy Chain Single



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.

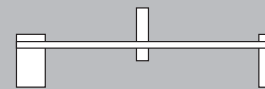
7

—R  
= Reversed



8

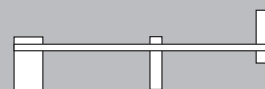
—M  
= Middle Reversed



Requires —SXX, —WXX or —DXX

8

—O  
= Outside Reversed

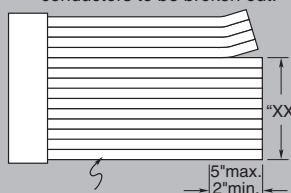


Requires —SXX, —WXX or —DXX

8

—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.

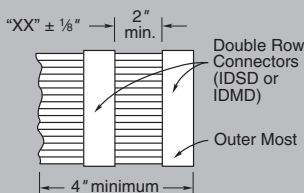
5

—RW  
= Reversed Wiring

#1 wire opposite position #1.

6

—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

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