

IDMD-24-D-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 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 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 (2 pins powered)  
**Current Rating (IDMD):** 3 A per pin (2 pins powered)

**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"  
**RoHS Compliant:** Yes

## RECOGNITIONS

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

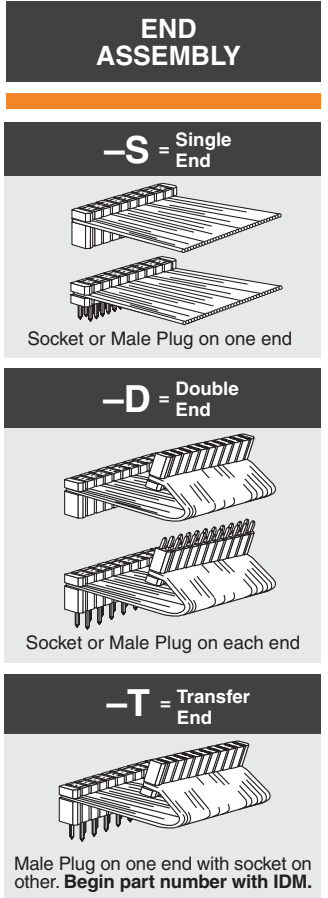
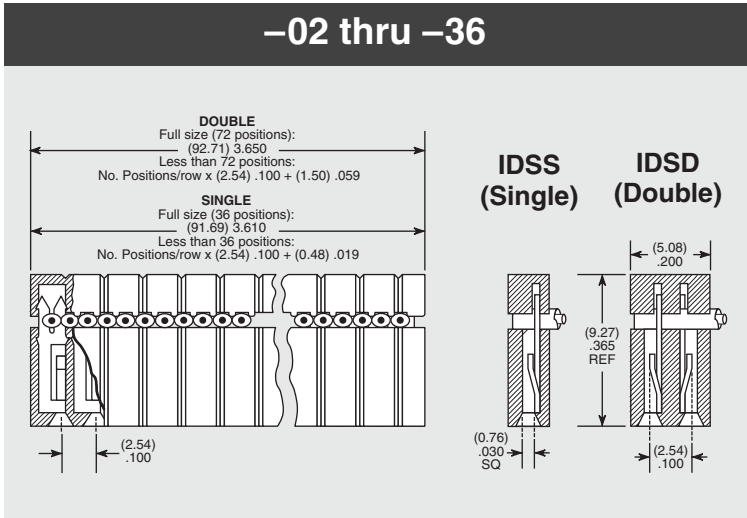
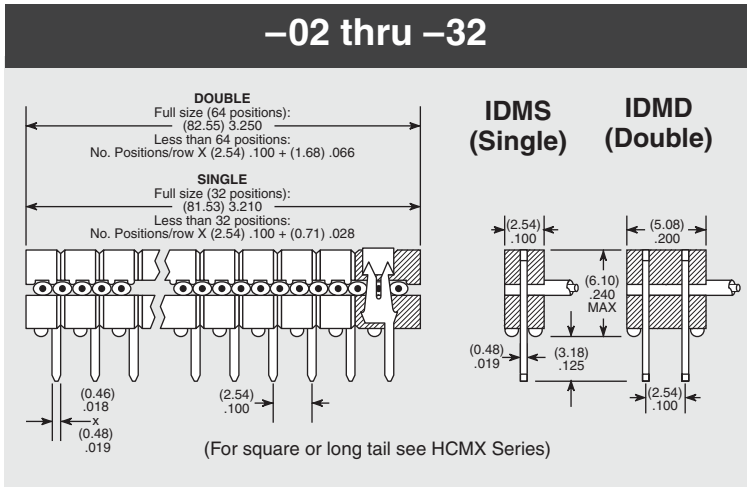
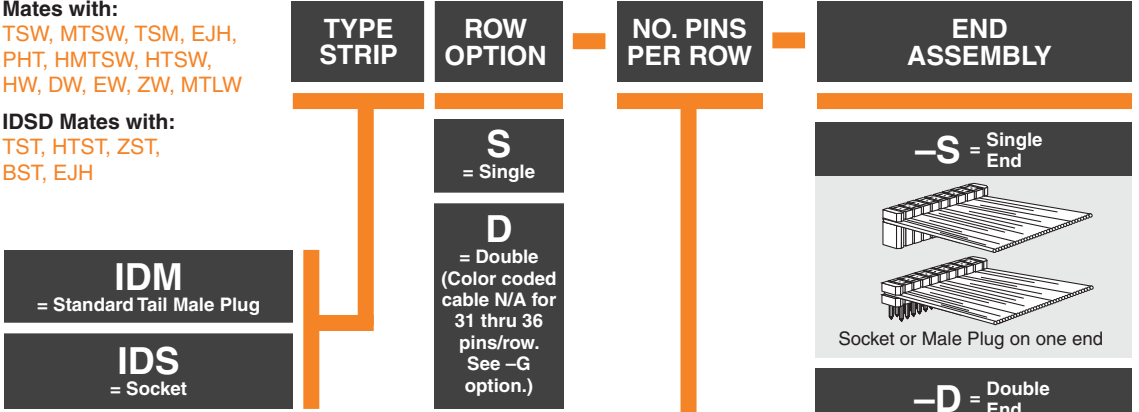


### Mates with:

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

### IDSD Mates with:

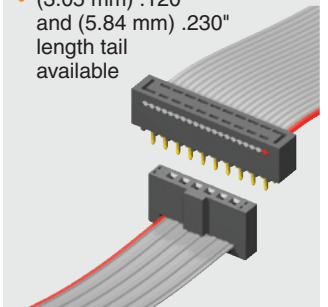
TST, HTST, ZST, BST, EJH



## 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

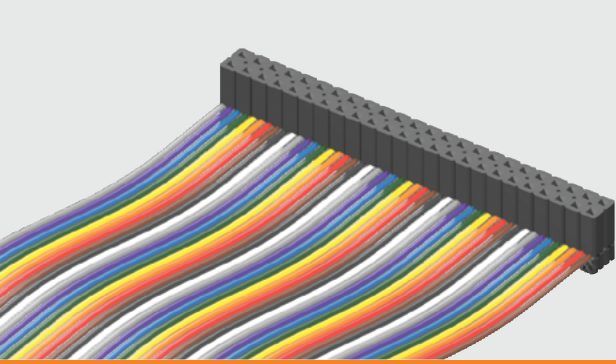


**Note:** This Series is non-standard, non-returnable.

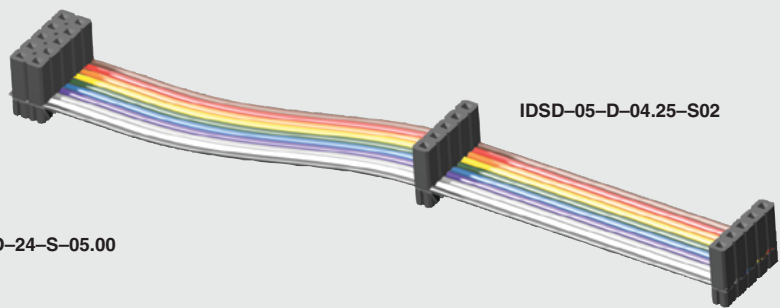
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IDSD-24-S-05.00

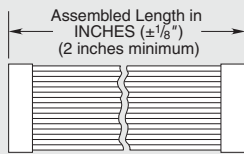


IDSD-05-D-04.25-S02

**IDSS, IDSD, IDMS, IDMD SERIES**

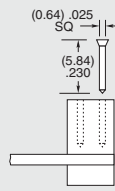
**ASSEMBLED LENGTH**

— “XX.XX”  
= Assembled Length



**OPTION**

**POLARIZING KEY**



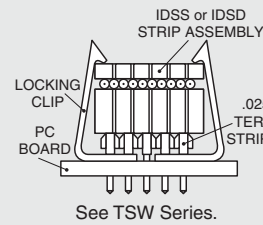
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

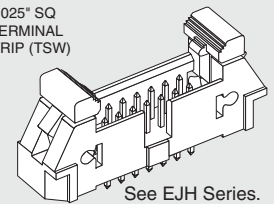
**EJECTOR HEADERS & LOCKING CLIPS**

**RUGGEDIZED BY SAMTEC**

- Ejector headers
- Locking clips



See TSW Series.



—T = Tin Plating (Both ends)

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

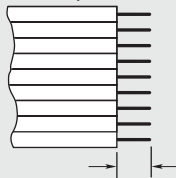
—A = 10 μ" (0.25 μm) Gold IDM = Tin IDS (-T End Assembly Required)

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

1

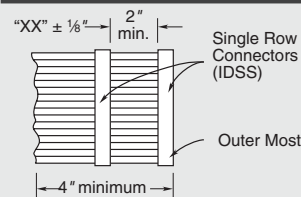
—ST “X” = Stripped & Tinned

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



4

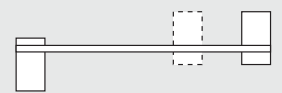
—S “XX” = Daisy Chain Single



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.

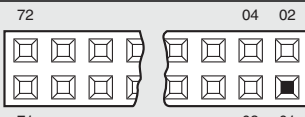
7

—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 unless transfer, then only the socket is polarized.)

2

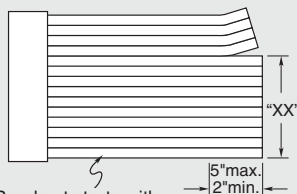
—G = Gray Cable

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

—B “XX” = Breakout

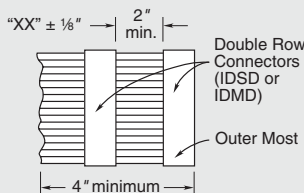
Specify “XX” as number of conductors to be broken out.



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

5

—D “XX” = Daisy Chain, Double



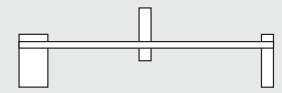
7

—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

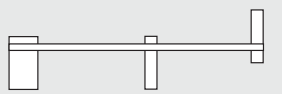
—M = Middle Reversed



Requires -SXX, -WXX or -DXX

8

—O = Outside Reversed



Requires -SXX, -WXX or -DXX

8

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