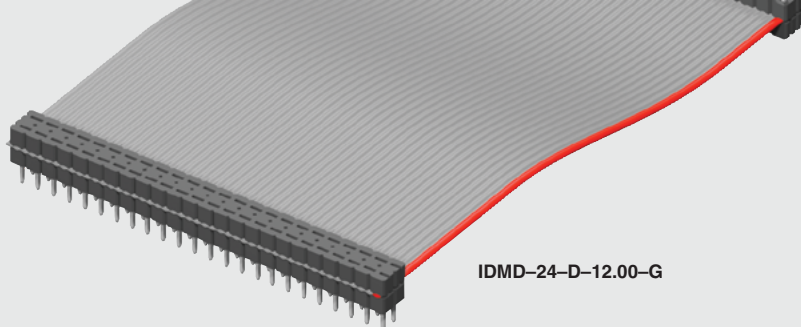




IDMD-24-D-12.00-G

(2.54 mm) .100"

SLIM BODY FLAT RIBBON IDC CABLES

SPECIFICATIONS

For complete specifications see www.samtec.com?IDSS, www.samtec.com?IDSD, www.samtec.com?IDMS or www.samtec.com?IDMD

Insulator Material:

Black Glass Filled Polyester

Plating:

Au over 50 μ " (1.27 μ m) Ni or Sn over 100 μ " (2.54 μ m) Cu or 50 μ " (1.27 μ m) 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



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

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

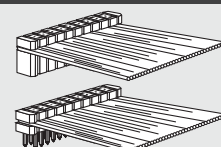
NO. PINS PER ROW

END ASSEMBLY

S
= Single

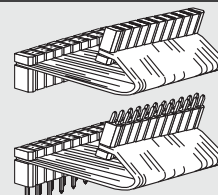
D
= Double
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End



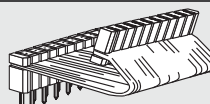
Socket or Male Plug on one end

-D = Double End



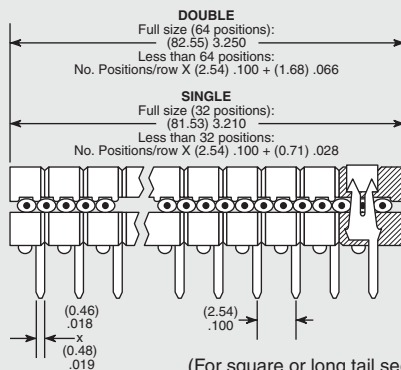
Socket or Male Plug on each end

-T = Transfer End



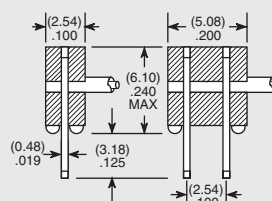
Male Plug on one end with socket on other. **Begin part number with IDM.**

-02 thru -32

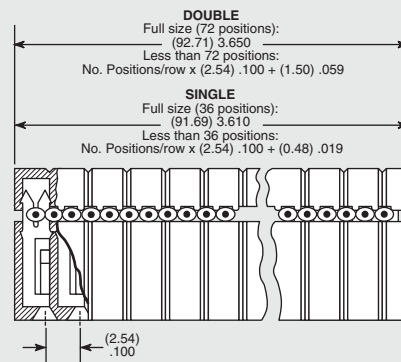


IDMS (Single)

IDMD (Double)

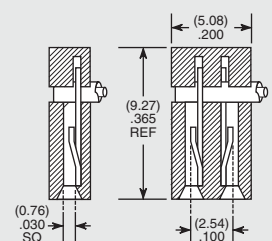


-02 thru -36



IDSS (Single)

IDSD (Double)



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

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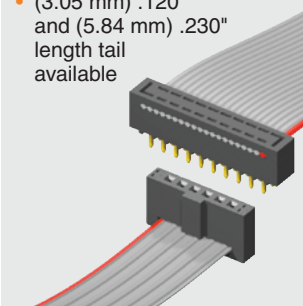
All parts within this catalog are built to Samtec's specifications.

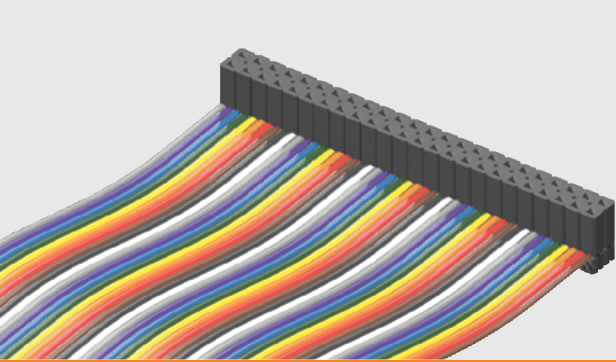
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

OTHER SOLUTIONS

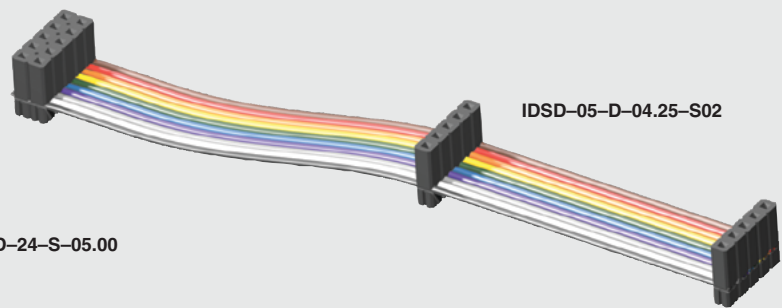
Molded-To-Position IDC Assemblies

- Low profile
- Skinny side locks
- Dual beam contacts
- Single and double row
- (3.05 mm) .120" and (5.84 mm) .230" length tail available





IDSD-24-S-05.00

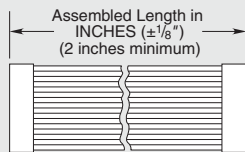


IDSD-05-D-04.25-S02

IDSS, IDSD, IDMS, IDMD SERIES

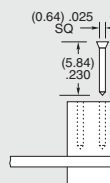
ASSEMBLED LENGTH

— “XX.XX”
= Assembled Length



OPTION

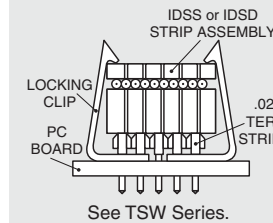
POLARIZING KEY



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)

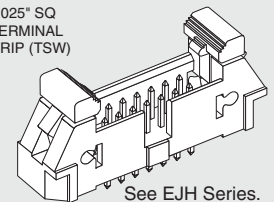
EJECTOR HEADERS & LOCKING CLIPS



See TSW Series.

RUGGEDIZED BY SAMTEC

- Ejector headers
- Locking clips



See EJJ Series.

—T = Tin Plating
(Both ends)

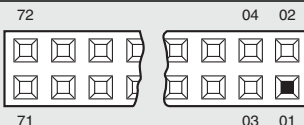
—C = Tin IDM
= 10 μ" (0.25 μm) Gold IDS
(-T End Assembly Required)

—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

—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

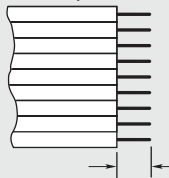
—G
= Gray Cable

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

—ST “X”
= Stripped & Tinned

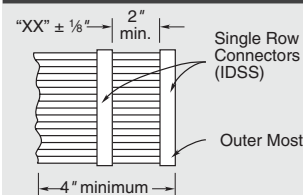
Specify Suffix from table.
All dimensions are ± 1/16".
Not available in 28 positions and higher.



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

4

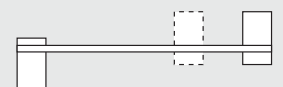
—S “XX”
= Daisy Chain Single



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.

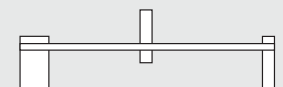
7

—R
= Reversed



8

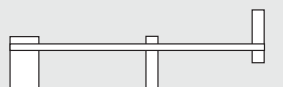
—M
= Middle Reversed



Requires -SXX, -WXX or -DXX

8

—O
= Outside Reversed

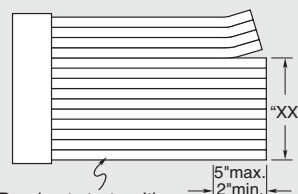


Requires -SXX, -WXX or -DXX

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.

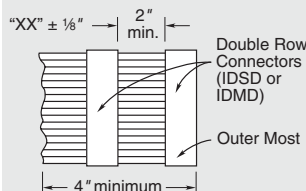
5

—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

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

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All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[IDSS-05-S-05.75-T-ST4](#) [IDSS-05-D-09.00](#) [IDSS-16-D-05.00-G](#) [IDSS-03-D-18.00](#) [IDSS-16-D-06.00](#) [IDSS-08-D-05.00-G](#) [IDSS-15-S-03.00-ST8](#) [IDSS-05-D-03.00](#) [IDSS-10-D-09.00-R](#) [IDSS-10-D-16.00](#) [IDSS-10-D-16.00-G](#) [IDSS-10-D-36.00](#) [IDSS-10-S-03.00](#) [IDSS-10-S-03.00-ST4](#) [IDSS-10-S-07.00](#) [IDSS-10-S-30.00](#) [IDSS-10-S-36.00-G](#) [IDSS-10-S-40.00](#) [IDSS-11-D-08.00-G-R](#) [IDSS-11-S-07.00-ST4](#) [IDSS-11-S-08.00-ST8](#) [IDSS-12-D-02.00-P03](#) [IDSS-12-D-04.00-T-G-R](#) [IDSS-12-D-07.00](#) [IDSS-12-D-07.00-T-G](#) [IDSS-12-D-11.00-T-P07-G](#) [IDSS-12-D-120.00-G](#) [IDSS-12-S-02.75-ST8](#) [IDSS-12-S-03.00-ST8](#) [IDSS-12-S-03.50](#) [IDSS-14-D-14.00-B06](#) [IDSS-14-D-24.00-R](#) [IDSS-14-D-30.00-G](#) [IDSS-14-D-32.00](#) [IDSS-14-S-03.00-T-ST8](#) [IDSS-14-S-03.75-ST8](#) [IDSS-14-S-06.00-ST8](#) [IDSS-14-S-10.00-G-ST8](#) [IDSS-14-S-12.00-G-ST8](#) [IDSS-06-S-12.00](#) [IDSS-06-S-21.00-ST4-RW](#) [IDSS-06-S-24.00](#) [IDSS-07-D-07.00-G](#) [IDSS-07-D-18.00-T](#) [IDSS-07-S-02.00-ST8](#) [IDSS-07-S-02.30-G-ST4](#) [IDSS-07-S-05.00](#) [IDSS-07-S-17.00](#) [IDSS-07-S-24.00](#) [IDSS-08-D-02.30](#) [IDSS-08-D-02.50-G](#) [IDSS-08-D-06.00-T-G](#) [IDSS-08-D-06.50](#) [IDSS-08-D-10.00-G](#) [IDSS-08-D-10.00-G-R](#) [IDSS-08-D-13.00-G](#) [IDSS-08-D-22.50-R](#) [IDSS-08-D-28.00-G-R](#) [IDSS-08-S-03.00-ST4](#) [IDSS-08-S-03.50-G-ST8](#) [IDSS-08-S-05.00-T-ST4](#) [IDSS-08-S-06.00](#) [IDSS-08-S-06.00-ST2](#) [IDSS-08-S-10.00-G](#) [IDSS-08-S-10.00-G-RW](#) [IDSS-08-S-15.00](#) [IDSS-08-S-16.00](#) [IDSS-08-S-16.00-ST4](#) [IDSS-13-D-02.00-G-R](#) [IDSS-13-D-06.00-P06-G](#) [IDSS-13-S-04.00](#) [IDSS-13-S-04.00-G-ST4](#) [IDSS-14-D-02.00-R](#) [IDSS-14-D-02.00-T](#) [IDSS-14-D-02.20-R](#) [IDSS-14-D-03.50-T-G](#) [IDSS-14-D-05.00-T-G](#) [IDSS-14-D-08.00-T](#) [IDSS-14-D-08.00-T-G](#) [IDSS-14-D-08.00-T-R](#) [IDSS-14-D-22.00-G](#) [IDSS-14-D-23.10](#) [IDSS-14-D-45.00-G](#) [IDSS-14-D-46.10-S22](#) [IDSS-14-D-65.00-T-G](#) [IDSS-14-S-04.00-ST8](#) [IDSS-14-S-04.00-T-G-ST8](#) [IDSS-14-S-07.00-G-ST8](#) [IDSS-14-S-10.00-ST4](#) [IDSS-14-S-10.00-T-G-ST8](#) [IDSS-14-S-600.00](#) [IDSS-15-D-05.50](#) [IDSS-09-D-03.00-G-R](#) [IDSS-09-D-07.00](#) [IDSS-09-D-07.00-R](#) [IDSS-09-D-08.00-G](#) [IDSS-09-D-14.00-G](#) [IDSS-09-S-02.625-ST8](#) [IDSS-09-S-06.00-G-ST4](#) [IDSS-09-S-06.00-G-ST8](#)