



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 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

(1 position powered per row)

Current Rating (IDMD):

3 A per pin

(1 position powered per row)

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

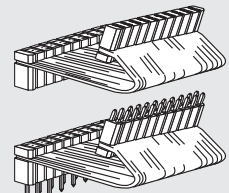
= Single

D

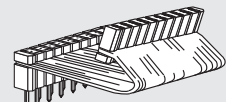
= Double
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End


Socket or Male Plug on one end

-D = Double End


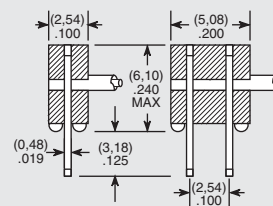
Socket or Male Plug on each end

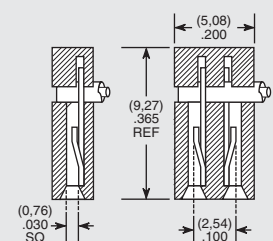
-T = Transfer End


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)

-02 thru -36

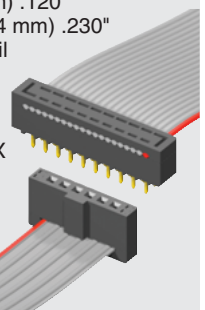
IDSS (Single)
IDSD (Double)


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



Note:

This Series is non-standard, non-returnable.



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

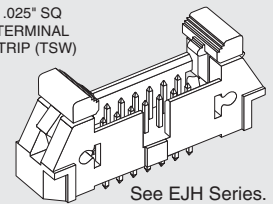


See TSW Series.



by SAMTEC

- Ejector headers
- Locking clips



See EJM Series.

—T = Tin Plating
(Both ends)

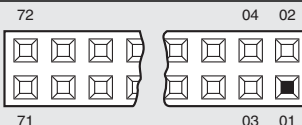
—C = Tin IDM
= 10μ" (0.25 μm) Gold IDS
(-T End Assembly Required)

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

2

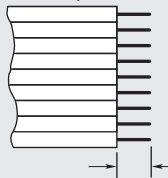
—G
= Gray Cable

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

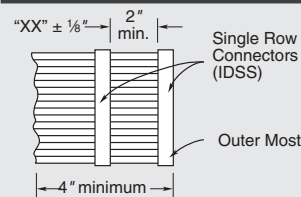
Specify Suffix from table.
All dimensions are ± 1/16".
Not available in 28 positions and higher.



—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

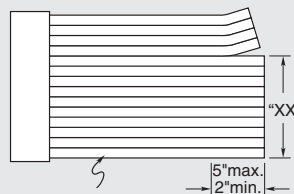


When mating double row connector with two single row connectors, the outer most single will be connected to Conductor #1 and the inside single to Conductor #2.

7

—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.

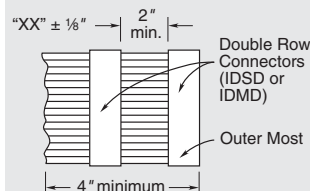
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—RW
= Reversed Wiring

#1 wire opposite position #1.

6

—D “XX”
= Daisy Chain, Double



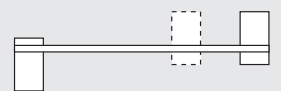
7

—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.

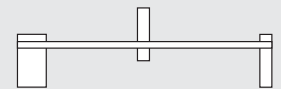
7

—R
= Reversed



8

—M
= Middle Reversed



Requires -SXX, -WXX or -DXX

8

—O
= Outside Reversed



Requires -SXX, -WXX or -DXX

8