

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

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

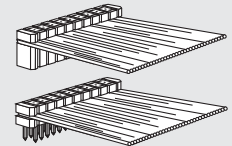
NO. PINS PER ROW

END ASSEMBLY

S
= Single

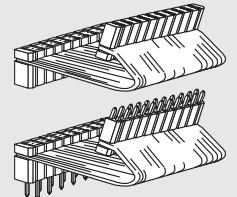
D
= Double
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End



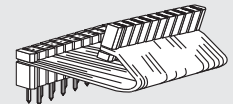
Socket or Male Plug on one end

-D = Double End



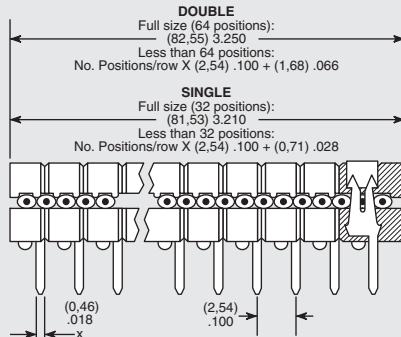
Socket or Male Plug on each end

-T = Transfer End



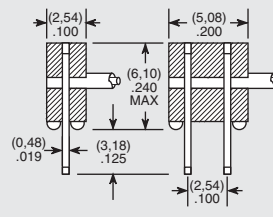
Male Plug on one end with socket on other. **Begin part number with IDM.**

-02 thru -32

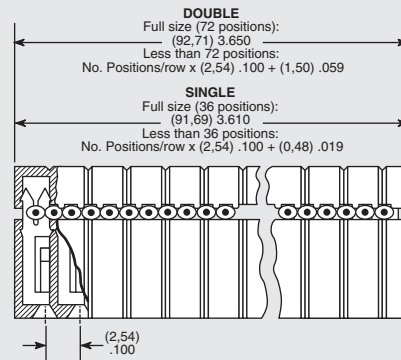


(For square or long tail see HCMX Series)

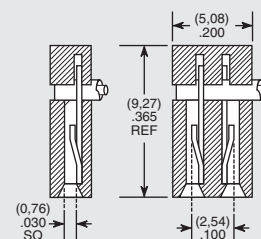
IDMS (Single) **IDMD (Double)**



-02 thru -36



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

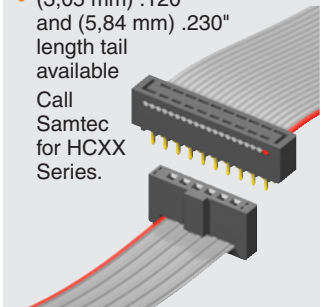


OTHER SOLUTIONS

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.

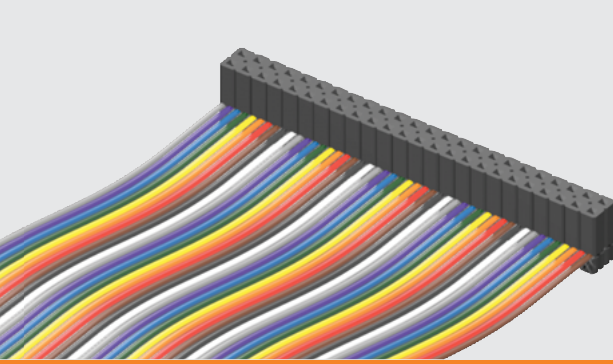


RECOGNITIONS

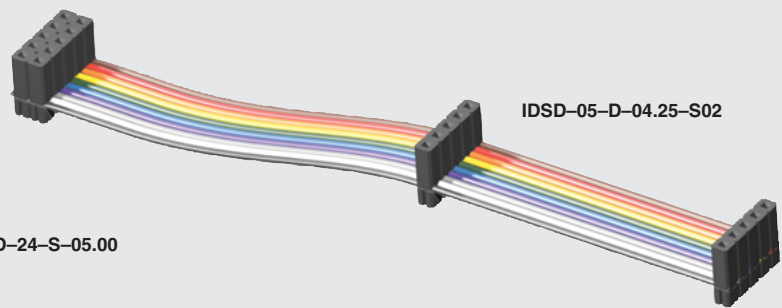
For complete scope of recognitions see www.samtec.com/quality



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



IDSD-24-S-05.00

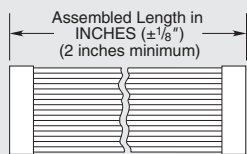


IDSD-05-D-04.25-S02

IDSS, IDSD, IDMS, IDMD SERIES

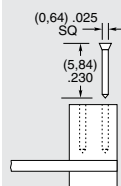
ASSEMBLED LENGTH

— “XX.XX”
= Assembled Length



OPTION

POLARIZING KEY



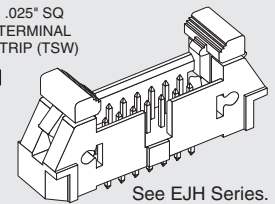
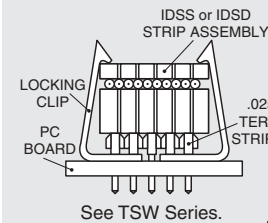
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

EJECTOR HEADERS & LOCKING CLIPS



- Ejector headers
- Locking clips



—T = Tin Plating (Both ends)

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

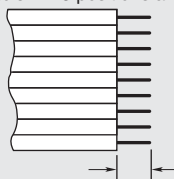
—A = 10 μ m (0.25 μ m) Gold IDM = Tin IDS (-T End Assembly Required)

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

1

—ST “X”
= Stripped & Tinned

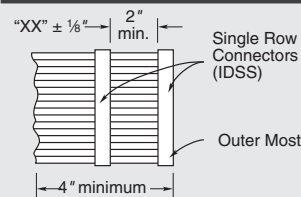
Specify Suffix from table. All dimensions are $\pm 1/16"$. Not available in 28 positions and higher.



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

4

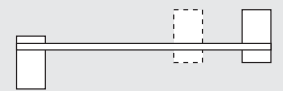
—S “XX”
= Daisy Chain Single



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.

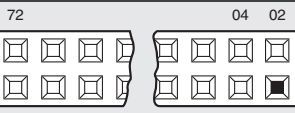
7

—R
= Reversed



8

—P “XX”
= Polarized

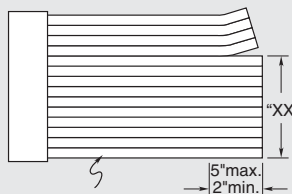


Specify “XX” as position. For Double the same position will be polarized on both ends. (Not available on IDM unless transfer, then only the socket is polarized.)

2

—B “XX”
= Breakout

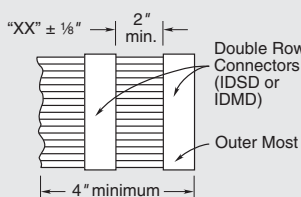
Specify “XX” as number of conductors to be broken out.



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

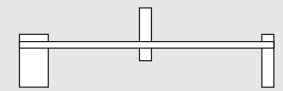
5

—D “XX”
= Daisy Chain, Double



7

—M
= Middle Reversed



Requires -SXX, -WXX or -DXX

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.

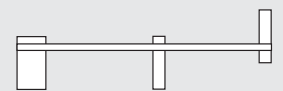
6

—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



Requires -SXX, -WXX or -DXX

8