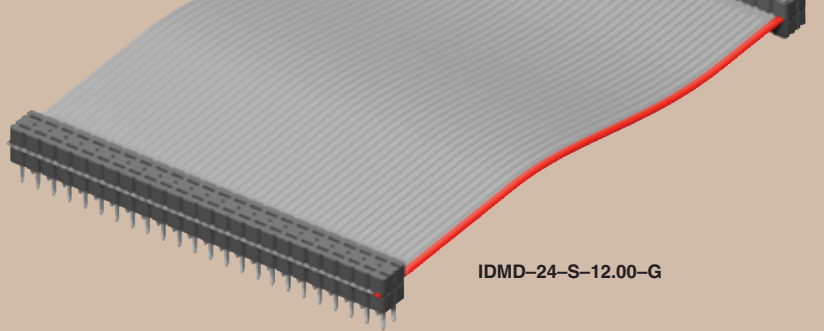




IDMD-24-S-12.00-G

(2,54 mm) .100"

SLIM BODY FLAT RIBBON IDC CABLES

SPECIFICATIONS

For complete specifications see www.samtec.com?IDSS, 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

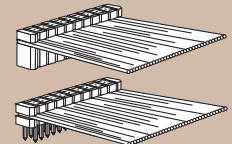
= Socket

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

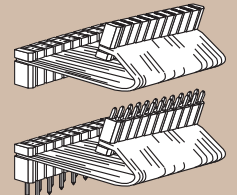
= Single

D

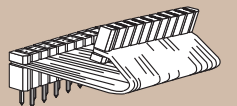
= Double
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

-S = Single End


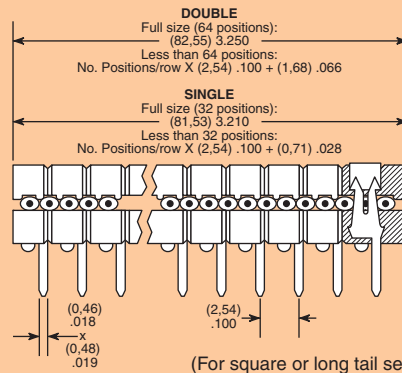
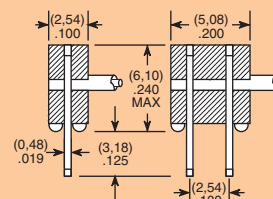
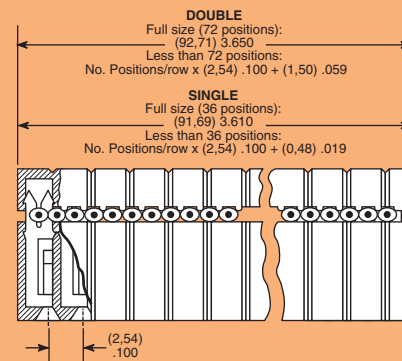
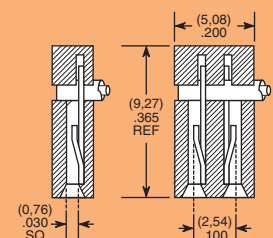
Socket or Male Plug on one end

-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.

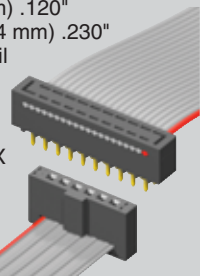
-02 thru -32

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.

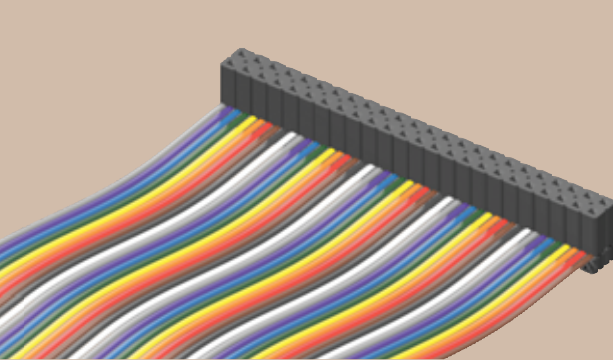


Note:
This Series is non-standard, non-returnable.

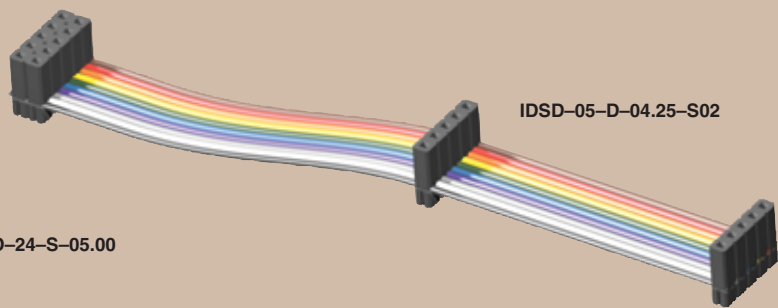
Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685



IDSD-24-S-05.00

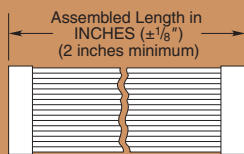


IDSD-05-D-04.25-S02

IDSS, IDSD, IDMS, IDMD SERIES

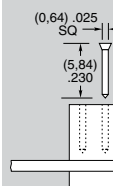
ASSEMBLED LENGTH

— “XX.XX”
= Assembled Length



OPTION

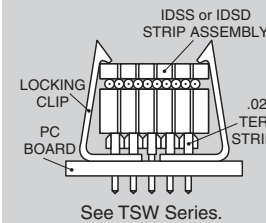
POLARIZING KEY



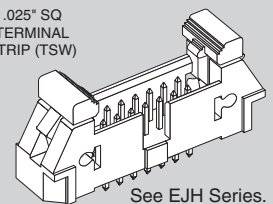
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

EJECTOR HEADERS & LOCKING CLIPS



See TSW Series.



—T = Tin Plating
(Both ends)

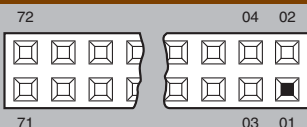
—C = Tin IDM
= 10μ" (0.25 μm) Gold IDS
(-T End Assembly Required)

—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

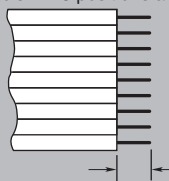
—G
= Gray Cable

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

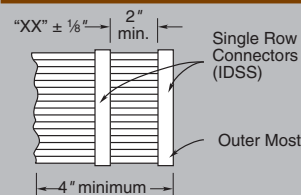
Specify Suffix from table.
All dimensions are ± 1/16".
Not available in 28 positions and higher.



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

4

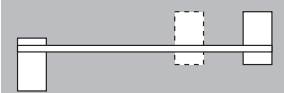
—S “XX”
= Daisy Chain Single



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.

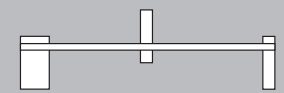
7

—R
= Reversed



8

—M
= Middle Reversed



8

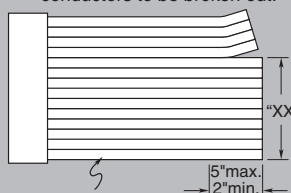
—O
= Outside Reversed



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.

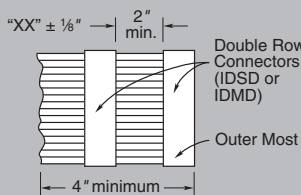
5

—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.

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685