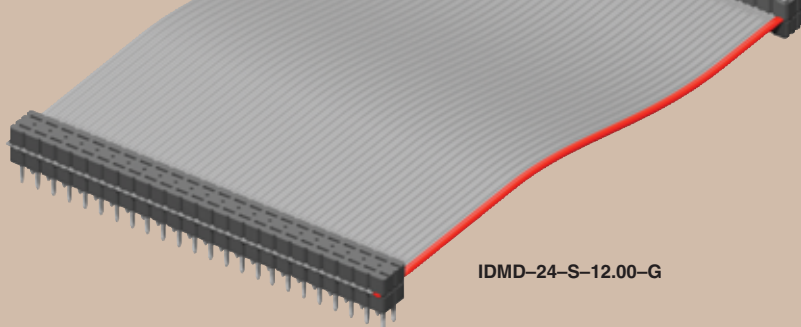




IDMD-24-S-12.00-G

(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

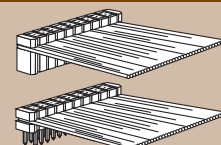
= Socket

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

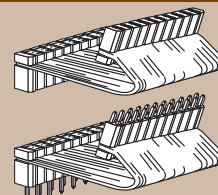
= Single

D

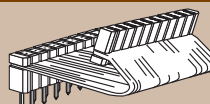
= Double
(Color coded
cable N/A for
31 thru 36
pins/row.
See -G
option.)

**-S = Single
End**


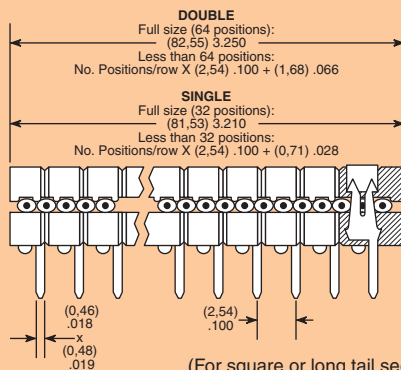
Socket or Male Plug on one end

**-D = Double
End**


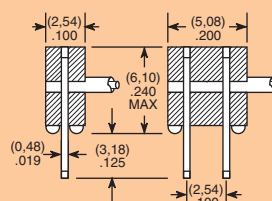
Socket or Male Plug on each end

**-T = Transfer
End**


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

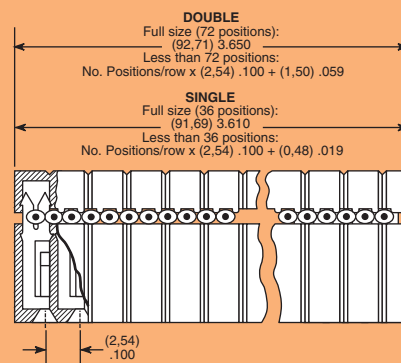
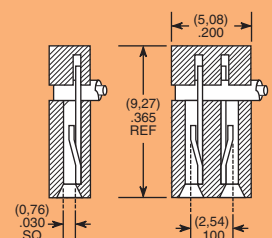
-02 thru -32


(For square or long tail see HCMX Series)

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


RECOGNITIONS

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


-02 thru -36

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


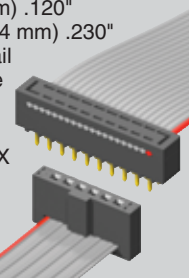
Note:
This Series is non-standard,
non-returnable.

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

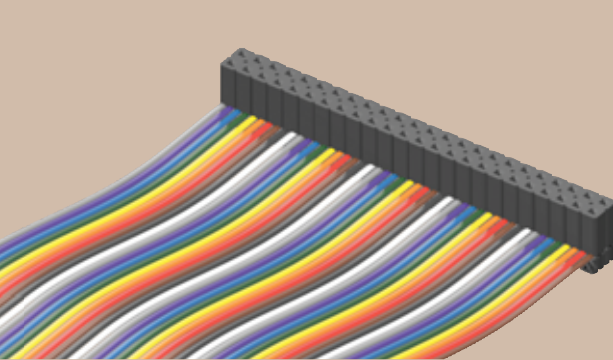
Call
Samtec
for HCXX
Series.



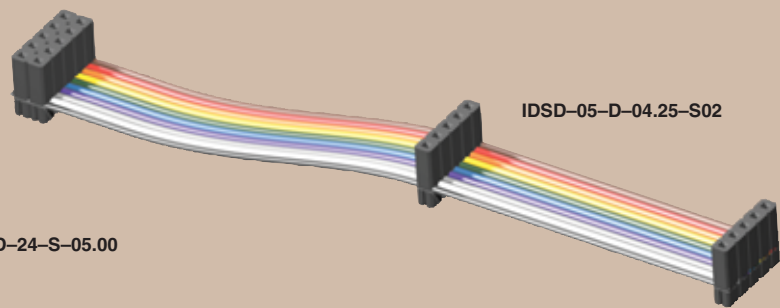
Due to technical progress, all designs, specifications and components are subject to change without notice.

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



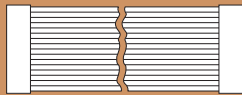
IDSD-05-D-04.25-S02

IDSS, IDSD, IDMS, IDMD SERIES

ASSEMBLED LENGTH

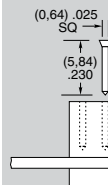
— “XX.XX”
= Assembled Length

Assembled Length in INCHES ($\pm 1/8"$)
(2 inches minimum)



OPTION

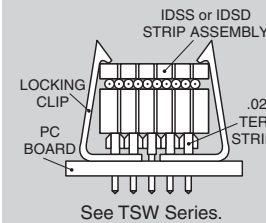
POLARIZING KEY



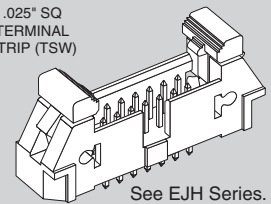
Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

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

EJECTOR HEADERS & LOCKING CLIPS



See TSW Series.



See EJJ Series.



- Ejector headers
- Locking clips

—T = Tin Plating
(Both ends)

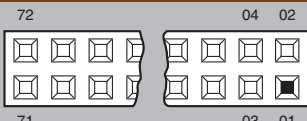
—C = Tin IDM
= 10 μ " (0.25 μ m) Gold IDS
(-T End Assembly Required)

—A = 10 μ " (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

—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

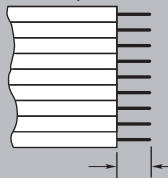
—G
= Gray Cable

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

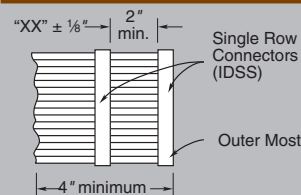
Specify Suffix from table.
All dimensions are $\pm 1/16"$.
Not available in 28 positions and higher.



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

4

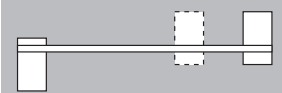
—S “XX”
= Daisy Chain Single



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.

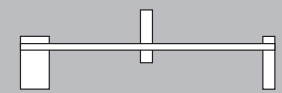
7

—R
= Reversed



8

—M
= Middle Reversed



Requires -SXX, -WXX or -DXX

8

—O
= Outside Reversed

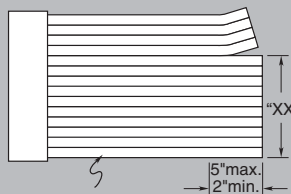


Requires -SXX, -WXX or -DXX

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.

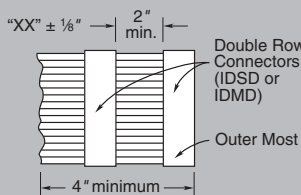
5

—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.

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