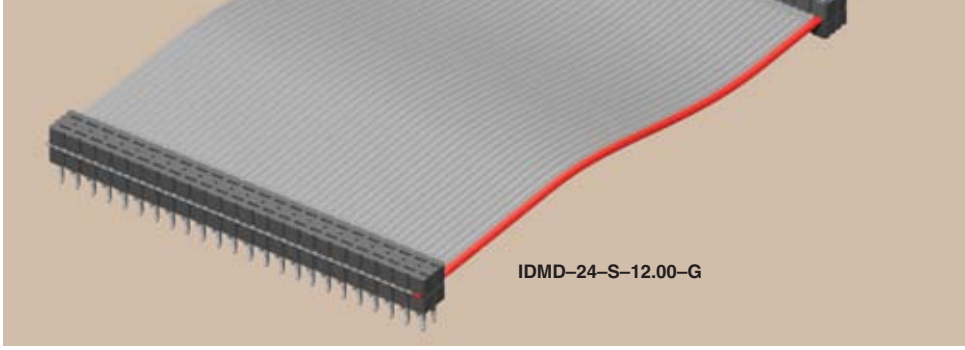
samtec



(2,54mm) .100"

IDSS, IDSD, IDMS, IDMD SERIES

SLIM BODY FLAT RIBBON IDC CABLES

SPECIFICATIONS

IDSS, IDSD

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

Insulator Material: Black Glass Filled Polyester
FILE NO. E111594
Plating: Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) 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: BeCu
Current Rating: 1A
Contact Resistance: 15 mΩ max delta from initial
Lead Size Range: (0,56mm) .022" SQ to (0,71mm) .028" SQ
Lead Insertion Depth: (5,59mm) .220" to (6,22mm) .245"
Insertion Force: (Single contact only) 4oz avg. ((0,64mm) .025" SQ probe)
Withdrawal Force: (Single contact only) 3oz avg. ((0,64mm) .025" SQ probe)
RoHS Compliant: Yes

SPECIFICATIONS

IDMS, IDMD

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

Insulator Material: Black Glass Filled Polyester
FILE NO. E111594
Plating: Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) 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)
Terminal: Phosphor Bronze
Current Rating: 1A
RoHS Compliant: Yes

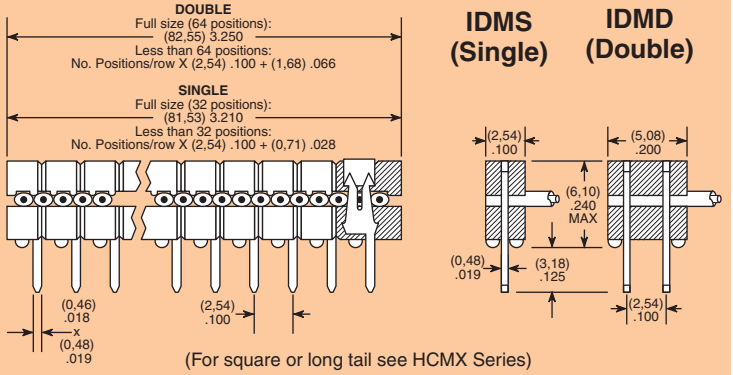
Note: This Series is non-standard, non-returnable.

Mates with:
TSW, MTSW, TSM, EJH, PHT

IDSD Mates with:
TST, HTST, ZST

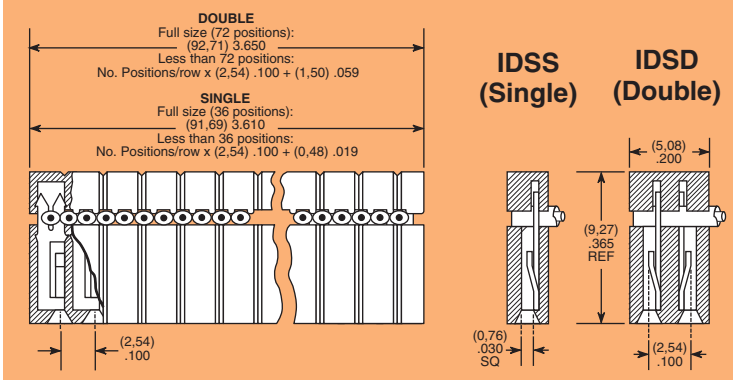
TYPE STRIP	ROW OPTION	NO. PINS PER ROW	END ASSEMBLY
IDM = Standard Tail Male Plug IDS = Socket	S = Single D = Double (Color coded cable N/A for 31 thru 36 pins/row. See –G option.)	–02 thru –32 –02 thru –36	–S = Single End –D = Double End –T = Transfer End

–02 thru –32

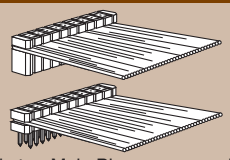


(For square or long tail see HCMX Series)

–02 thru –36

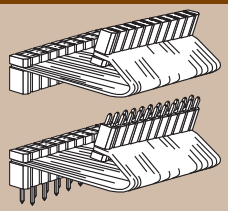


–S = Single End



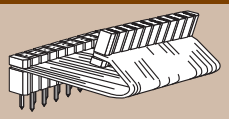
Socket or Male Plug on one end

–D = Double End



Socket or Male Plug on each end

–T = Transfer End



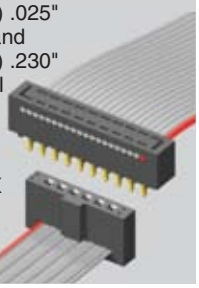
Male Plug on one end with socket on other. **Begin part number with IDM.**

ALSO AVAILABLE

Molded-To-Position IDC Assemblies

- Low Profile
- Skinny side locks
- Dual beam contacts
- Single and double row
- (6,35mm) .025" square and (5,84mm) .230" length tail available

Call Samtec for HCXX Series.



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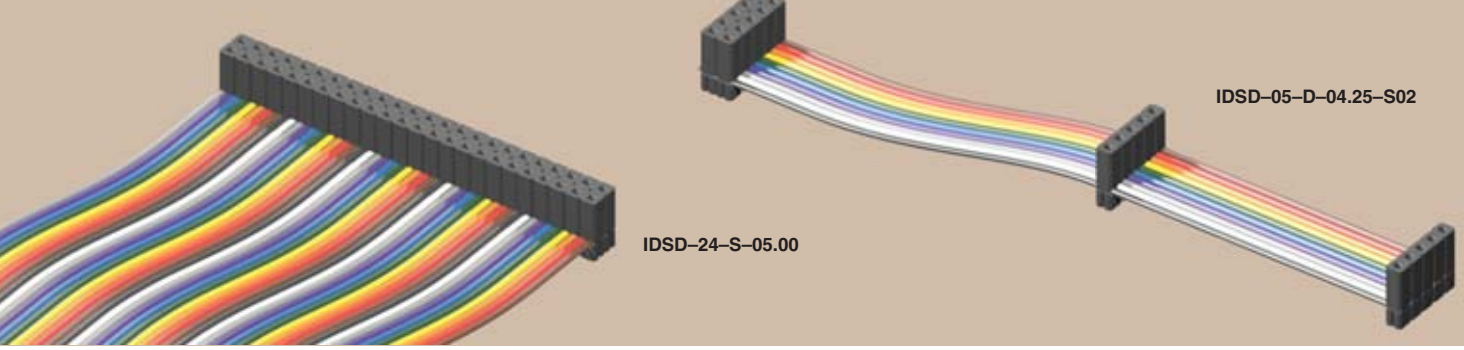
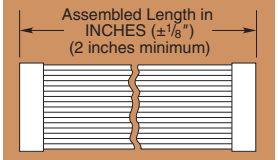


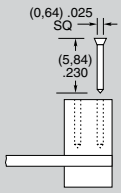
ASSEMBLED LENGTH

– "XX.XX"
= Assembled Length



OPTION

POLARIZING KEY

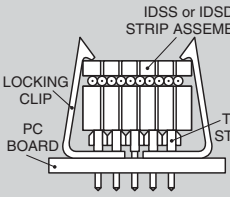


Optional polarizing key for use with IDSS & IDSD Series. Also polarizes SSW, SSQ, ESW & ESQ Series. Black High Temperature Thermoplastic

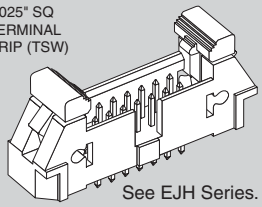
Order: Part Number PK-01-06
(Available in wheels of six each)

EJECTOR HEADERS & LOCKING CLIPS

RUGGEDIZED by SAMTEC
- Ejector headers
- Locking clips



See TSW Series.



See EJH Series.

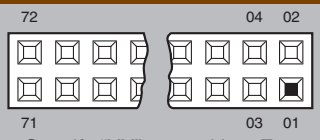
–T = Tin Plating (Both ends)

–C = Tin IDM 10µ" (0,25µm) Gold IDS (-T End Assembly Required)

–A = 10µ" (0,25µm) 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



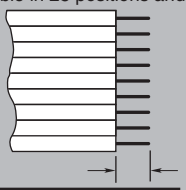
Specify "XX" as position. For Double the same position will be polarized on both ends. (Not available on IDM or EDM, unless transfer, then only the socket is polarized.) 2

–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.

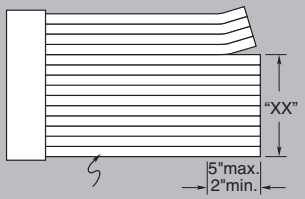


–ST8	1/8" (3,18)
–ST4	1/4" (6,35)
–ST2	1/2" (12,70)
–ST3	3/8" (9,53)

4

–B "XX"
= Breakout

Specify "XX" as number of conductors to be broken out.

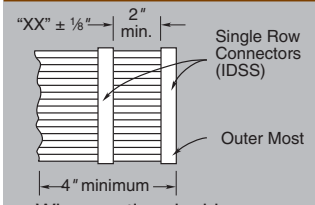


Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side. 5

–RW
= Reversed Wiring

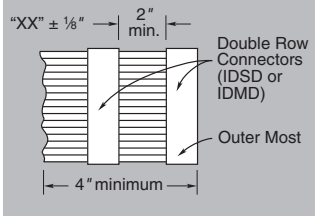
#1 wire opposite position #1. 6

–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

–D "XX"
= Daisy Chain, Double

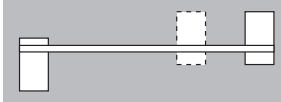


7

–W "XX"
= Wiring Reversed Daisy Chain, Single

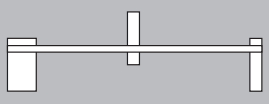
Same as –S "XX" except outer strip connected to Conductor #2 and inside strip connected to Conductor #1. 7

–R
= Reversed



8

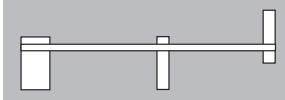
–M
= Middle Reversed



Requires –SXX, –WXX or –DXX

8

–O
= Outside Reversed



Requires –SXX, –WXX or –DXX

8

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