

# .100" (2,54mm) IDC CABLE IDMS, IDMD, IDSS & IDSD SERIES

## SPECIFICATIONS

### IDSS, IDSD

For complete specifications see [www.samtec.com?IDSS](http://www.samtec.com?IDSS) or [www.samtec.com?IDSD](http://www.samtec.com?IDSD)

### Insulator Material:

Black Glass Filled Polyester



### 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:

10 mΩ max

### 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](http://www.samtec.com?IDMS) or [www.samtec.com?IDMD](http://www.samtec.com?IDMD)

### Insulator Material:

Black Glass Filled Polyester



### 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, EJJ

TYPE STRIP

ROW OPTION

NO. PINS PER ROW

END ASSEMBLY

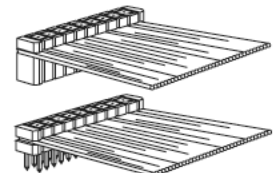
**IDM**  
= Standard Tail Male Plug

**IDS**  
= Socket

**S**  
= Single

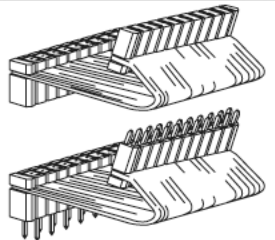
**D**  
= Double  
(Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

**-S** = Single End



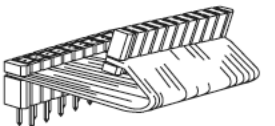
Socket or Male Plug on one end

**-D** = Double End



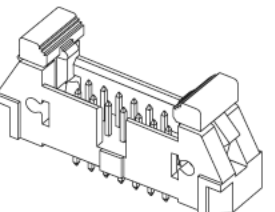
Socket or Male Plug on each end

**-T** = Transfer End



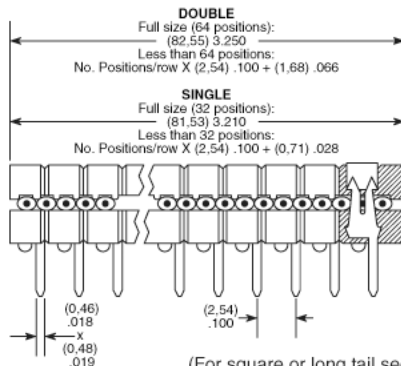
Male Plug on one end with socket on other. **Begin part number with IDM.**

## EJECTOR HEADER

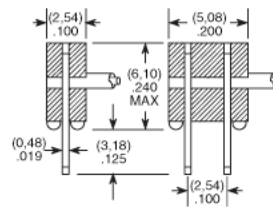


See EJJ Series.

## -02 thru -32

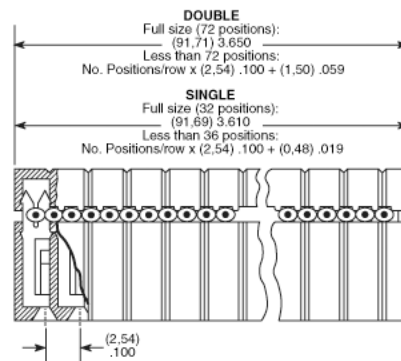


IDMS (Single) IDMD (Double)

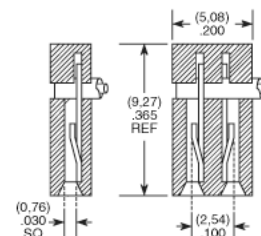


(For square or long tail see HCMX Series)

## -02 thru -36

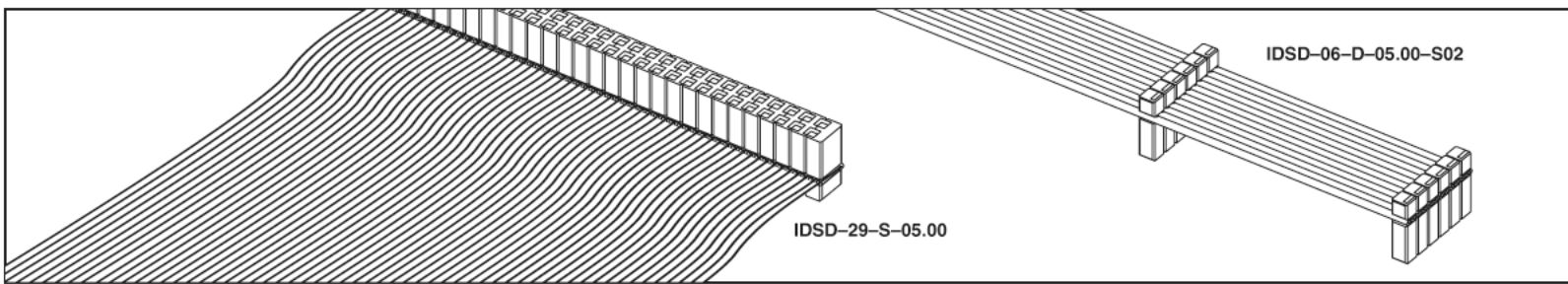


IDSS (Single) IDSD (Double)



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

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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

**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.

**-T** = Tin Plating (Both ends)

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

**-A** = 10µ" (0,25µm) Gold IDM (-T End Assembly Required)

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

**-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)

**-S "XX"**  
= Daisy Chain Single

"XX" ± 1/8" → 2" min. →

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.

**-R**  
= Reversed

**-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)

**-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.

**-D "XX"**  
= Daisy Chain, Double

"XX" ± 1/8" → 2" min. →

**-M**  
= Middle Reversed

Requires -SXX, -WXX or -DXX

**-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.

**-RW**  
= Reversed Wiring

#1 wire opposite position #1.

**-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.

**-O**  
= Outside Reversed

Requires -SXX, -WXX or -DXX

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