

# IDC CABLE STRIPS

IDMS, IDMD, IDSS, IDSD  
EDMS & EDMD SERIES

## Specifications: IDSS, IDSD

**Insulator Material:** Black Glass Filled Polyester  
**Temperature Range:** -65°C to +80°C  
**Withstanding Voltage:** 1000 VRMS @ 60 Hz  
**Contact:** BeCu  
**Plating:** Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni  
**Current Rating:** 1A  
**Contact Resistance:** 10 mΩ max  
**Socket Retention in Body:** 5lb (22,25N) against barb  
**Lead Size Range:** .022" (0,56mm) SQ to .028" (0,71mm) SQ  
**Lead Insertion Depth:** .185" (4,70mm) to .250" (6,35mm)  
**Insertion Force:** 4 oz avg (.025" (0,63mm) SQ probe)  
**Withdrawal Force:** 3 oz avg (.025" (0,63mm) SQ probe)  
**Wire:** 28 AWG 7/36 stranded Tinned Copper



## Specifications: IDMS, IDMD EDMS, EDMD

**Insulator Material:** Black Glass Filled Polyester  
**Temperature Range:** -65°C to +80°C  
**Withstanding Voltage:** 1000 VRMS @ 60 Hz  
**Contact:** BeCu  
**Plating:** Au over 50µ" (1,27µm) Ni or Sn over 100µ" (2,54µm) Cu or 50µ" (1,27µm) Ni  
**Current Rating:** 1A  
**Terminal Retention in Body:** 5lb (22,25N) against barb  
**Wire:** 28 AWG 7/36 stranded Tinned Copper



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

**Mates with:**  
TSW, MTSW,  
BST, LCW

**IDM = Standard Tail Male Plug**

**EDM = Long Tail Male Plug**

**IDS = Socket**

**TYPE STRIP**

**ROW OPTION**

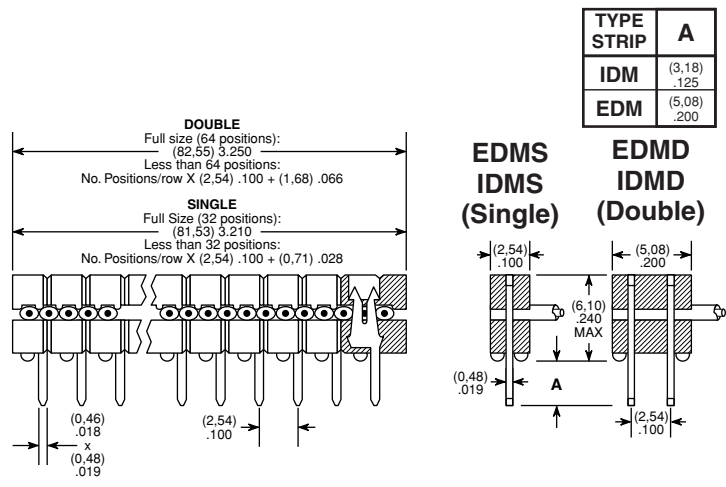
**NO. PINS PER ROW**

**END ASSEMBLY**

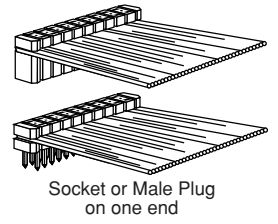
**S = Single**

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

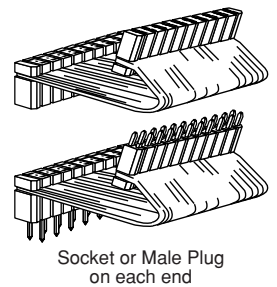
### -02 thru -32



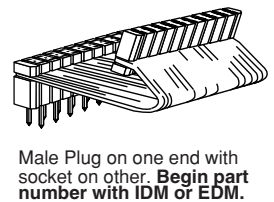
**-S = Single End**



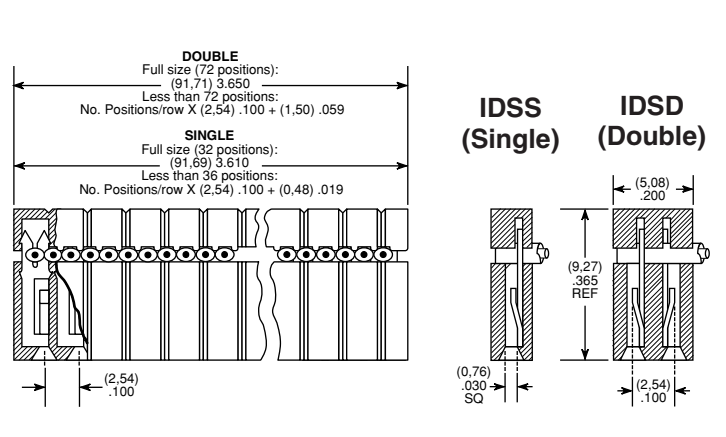
**-D = Double End**



**-T = Transfer End**

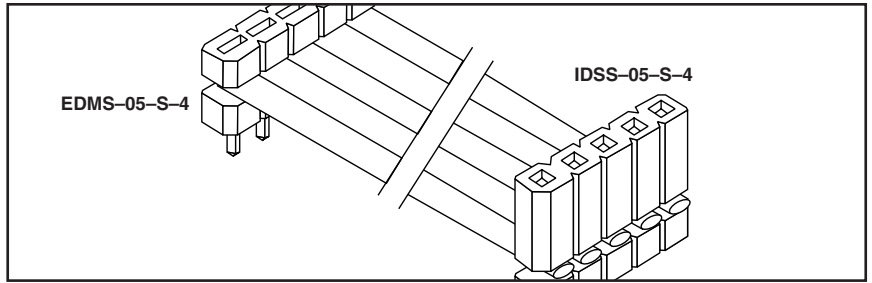


### -02 thru -36



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

**WWW.SAMTEC.COM**



# IDC CABLE STRIPS

IDMS, IDMD, IDSS, IDSD  
EDMS & EDMD SERIES

### 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**

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

**-C** = Tin IDM/ 10 $\mu$ " (0,25 $\mu$ m) Gold IDS

**-A** = 10 $\mu$ " (0,25 $\mu$ m) Gold IDM/ Tin IDS

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

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 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

**-B "XX"**  
= Breakout

Specify "XX" as number of conducts 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

"XX"  $\pm 1/8"$  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.

7

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

"XX"  $\pm 1/8"$  2" min.

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

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

**WWW.SAMTEC.COM**