

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

SPECIFICATIONS

IDSS, IDSD

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

Insulator Material:



Black Glass Filled Polyester

Plating:

Au over 50 μ " (1.27 μ m) Ni or Sn over 100 μ " (2.54 μ m) Cu or 50 μ " (1.27 μ m) 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 m Ω 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 or www.samtec.com/?IDMD

Insulator Material:



Black Glass Filled Polyester

Plating:

Au over 50 μ " (1.27 μ m) Ni or Sn over 100 μ " (2.54 μ m) Cu or 50 μ " (1.27 μ m) 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:

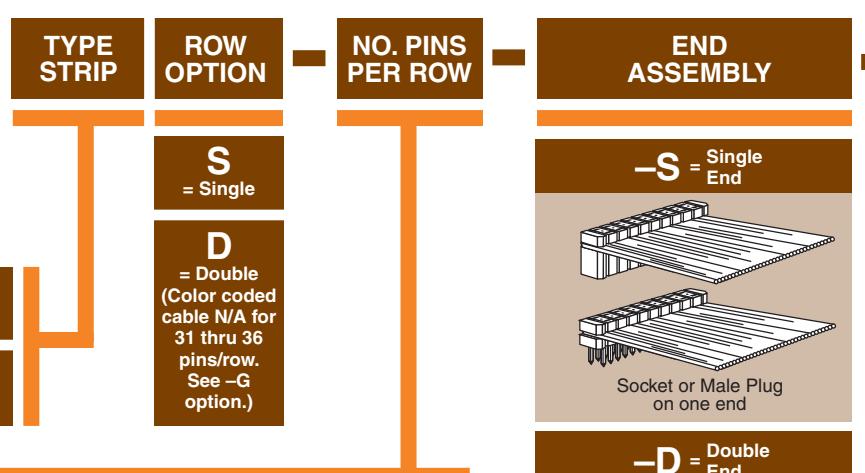
This Series is non-standard, non-returnable.

Mates with:
TSW, MTSW, TSM, EJH

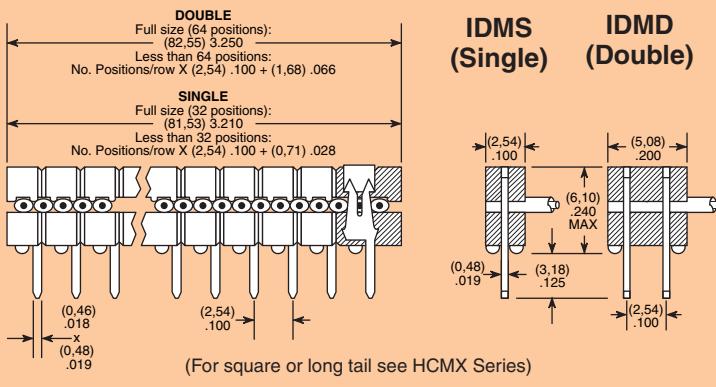
IDSD Mates with:
TST, HTST, ZST

IDM
= Standard Tail Male Plug

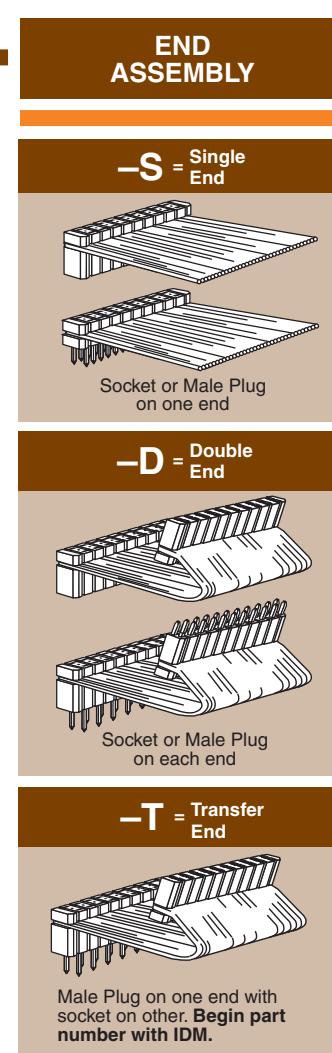
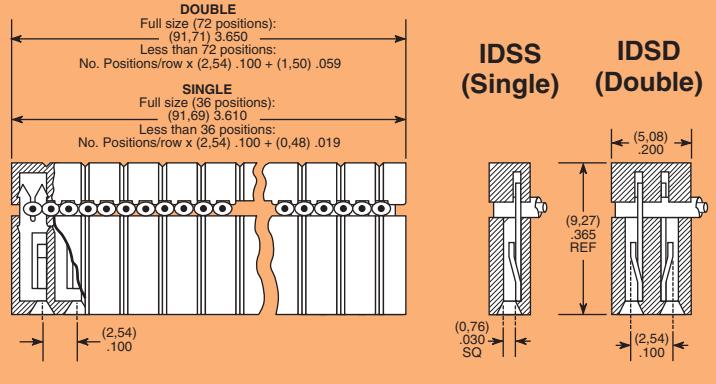
IDS
= Socket



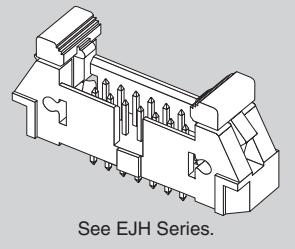
-02 thru -32



-02 thru -36



EJECTOR HEADER



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IDSD-29-S-05.00

ASSEMBLED LENGTH		OPTION	ALSO AVAILABLE								
- "XX.XX" = Assembled Length		POLARIZING KEY <p>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)</p>	Molded-To-Position IDC Assemblies <ul style="list-style-type: none"> • Low Profile • Skinny side locks • Dual beam contacts • Single and double row • (6,35mm) .025" square and (5,84mm) .230" length tail available <p>Call Samtec for HCXX Series.</p>								
-T = Tin Plating (Both ends)	-ST "X" = Stripped & Tinned	-S "XX" = Daisy Chain Single	-R = Reversed								
-C = Tin IDM = 10 μ " (0,25 μ m) Gold IDS (-T End Assembly Required)	Specify Suffix from table. All dimensions are $\pm 1/16"$. Not available in 28 positions and higher. <table border="1"> <tr><td>-ST8</td><td>1/8" (3,18)</td></tr> <tr><td>-ST4</td><td>1/4" (6,35)</td></tr> <tr><td>-ST2</td><td>1/2" (12,70)</td></tr> <tr><td>-ST3</td><td>3/8" (9,53)</td></tr> </table>	-ST8	1/8" (3,18)	-ST4	1/4" (6,35)	-ST2	1/2" (12,70)	-ST3	3/8" (9,53)	<p>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.</p>	
-ST8	1/8" (3,18)										
-ST4	1/4" (6,35)										
-ST2	1/2" (12,70)										
-ST3	3/8" (9,53)										
-A = Tin IDS (-T End Assembly Required)	-B "XX" = Breakout	-D "XX" = Daisy Chain, Double	-M = Middle Reversed								
Standard plating is selective gold over BeCu contact for IDS; Selective gold over phosphor bronze for IDM.	<p>Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.</p>		<p>Requires -SXX, -WXX or -DXX</p>								
-P "XX" = Polarized	-RW = Reversed Wiring	-W "XX" = Wiring Reversed Daisy Chain, Single	-O = Outside Reversed								
<p>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.)</p>	<p>Specify "XX" as number of conductors to be broken out.</p> <p>#1 wire opposite position #1.</p>	<p>Same as -S "XX" except outer strip connected to Conductor #2 and inside strip connected to Conductor #1.</p>	<p>Requires -SXX, -WXX or -DXX</p>								
-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.											

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