

NO. PINS

PER ROW

IDMD

(Double)

← (5.08) →

>(2.54) .100 ≺

(6.10) .240 MAX

(3.18)

(2.54 mm) .100"

M 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 50 μ" (1.27 μm) Ni or Sn over 100 μ" (2.54 μm) Cu or 50 μ" (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) Voltage Rating: 425 VAC/600 VDC Contact (IDSS/IDSD):

Terminal (IDMS/IDMD):

Phosphor Bronze
Current Rating (IDSD/TST): 3.4 A per pin

(2 pins powered)
Current Rating (IDMD):

3 A per pin (2 pins powered)

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" RoHS Compliant:

RECOGNITIONS

For complete scope www.samtec.com/quality



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

DOUBLE

Full size (64 positions):
(82.55) 3.250
Less than 64 positions:
No. Positions/row X (2.54) .100 + (1.68) .066

SINGLE Full size (32 positions):

(81.53) 3.210

Less than 32 positions:

No. Positions/row X (2.54) .100 + (0.71) .028

STRIP OPTION

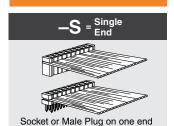
D = Double (Color coded cable N/A for 31 thru 36 pins/row. See -G option.)

IDMS

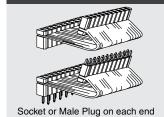
(Single)

= Single

ASSEMBLY



-D = End





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

of recognitions see



Note:

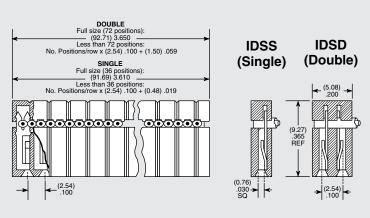
non-returnable.

This Series is non-standard,

-02 thru -36

(For square or long tail see HCMX Series)

-02 thru -32



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

WWW.SAMTEC.COM

OTHER SOLUTIONS

Molded-To-Position IDC Assemblies

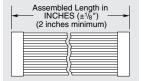
- Low profile
- Skinny side locks
- Dual beam contacts
- Single and double row
- (3.05 mm) .120" and (5.84 mm) .230"







"XX.XX" = Assembled Length



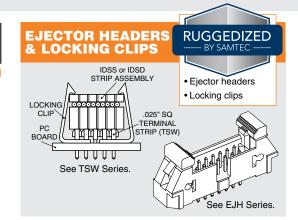
OPTION

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)



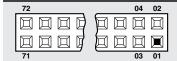
= Tin Plating (Both ends)

Tin IDM 10 μ" (0.25 μm) Gold IDS (-T End Assembly Required)

10 $\mu^{\text{\tiny{II}}}$ (0.25 $\mu m)$ 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.

–P "XX" =Polarized



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

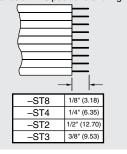
-G = Gray Cable

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.

-ST "X"

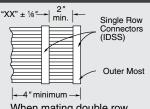
= Stripped & Tinned

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



-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.

> –D "XX" = Daisy Chain, Double

–M = Middle Reversed

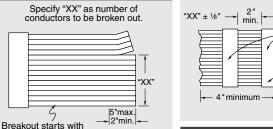


-R

= Reversed

Requires -SXX, -WXX or -DXX

-O = Outside Reversed



-RW

Number 1 lead indicated

by brown wire or red stripe. Shown on top side.

= Reversed Wiring #1 wire opposite position #1.

"XX" ± 1/8" → 2" min. Double Row Connectors (IDSD or IDMD) Outer Most

–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.

Requires -SXX, -WXX or -DXX

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