

(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 50µ" (1,27 µm) Ni or Sn over 100µ" (2,54 µm) Cu or 50µ" (1,27 µm) Ni Wire:

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 (IDSS/IDSD):

Terminal (IDMS/IDMD):

Phosphor Bronze Current Rating (IDSD/TST):

3.4 A per pin
(1 position powered per row)
Current Rating (IDMD): 3 A per pin (1 position powered per row)

Contact Resistance: 15 m $\Omega$ 

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" Insertion Force:

(Single contact only) 4 oz (1,11 N) avg. ((0,64 mm) .025" SQ probe) Withdrawal Force: (Single contact only)

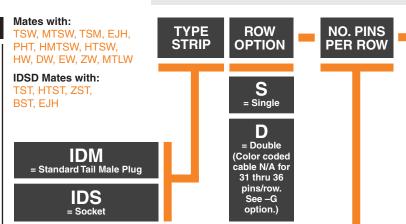
3 oz (0,83 N) avg. ((0,64 mm) .025" SQ probe) RoHS Compliant:

### **RECOGNITIONS**

For complete scope of recognitions see www.samtec.com/quality

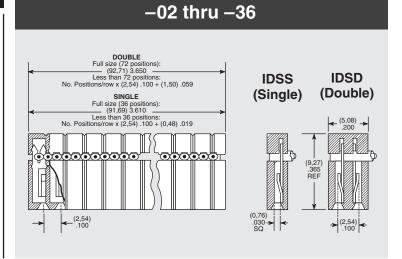


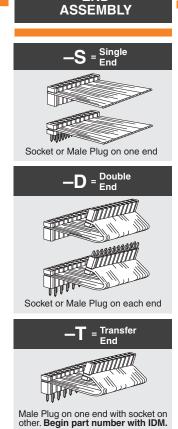
#### Note: This Series is non-standard, non-returnable.



### DOUBLE **IDMD** Full size (64 positions): (82,55) 3.250 Less than 64 positions: No. Positions/row X (2,54) .100 + (1,68) .066 **IDMS** (Double) (Single) SINGLE Full size (32 positions): (81,53) 3.210 Less than 32 positions: No. Positions/row X (2,54) .100 + (0,71) .028 **←** (5,08) → (6,10) .240 MAX (3,18) (2,54) (For square or long tail see HCMX Series)

-02 thru -32





### **OTHER SOLUTIONS**

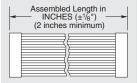
#### **Molded-To-Position IDC** Assemblies

- Low profile
- Skinny side locks
- Dual beam contacts
- Single and double row (3,05 mm) .120" and (5,84 mm) .230" length tail available Call Samtec for HCXX Series.





### "XX.XX" = Assembled Length



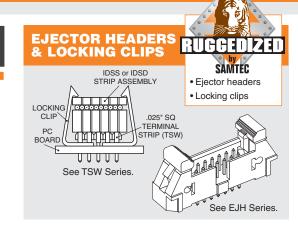
### **OPTION**

### **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)

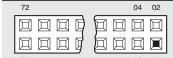
Tin IDM 10μ" (0,25 μm) Gold IDS (-T End Assembly Required)

10μ" (0,25 μm) 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



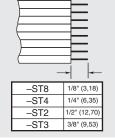
Specify "XX" as position. For Double the same position will be polarized on both ends. (Not available on IDM unless transfer, then only the socket is polarized.)

### -G = Gray Cable

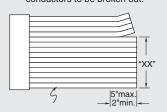
Specify -G for Gray cable. Gray cable has one red edge. IDSS and IDMS uses .100" centerline cable. IDSD and IDMD uses .050" centerline cable. Cable is 28 AWG 7/36 copper wire. Standard cable is same as above except color coded.

### -ST "X" = Stripped & Tinned

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



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



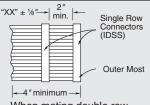
Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

### -RW = Reversed Wiring

#1 wire opposite position #1.

### -S "XX"

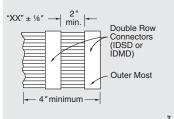
= Daisy Chain Single



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



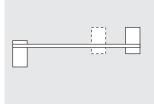
### −W "XX"

= Wiring Reversed Daisy Chain, Single

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

### -R

= Reversed

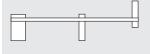


### −M = Middle Reversed



Requires -SXX, -WXX or -DXX

### -O = Outside Reversed



Requires -SXX, -WXX or -DXX

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