

HCMD-10-S-03.00-01

**(2.54 mm) .100"**

# IDC SOCKET & TERMINAL CABLE

**Mates with:**

TSW, MTSW, TST, HTST,  
EW, ZST, MTLW, TSM,  
EJH-02 (HCSD only)

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?HCSD](http://www.samtec.com?HCSD) or [www.samtec.com?HCSS](http://www.samtec.com?HCSS)

**HCSD, HCSS****Insulator Material:**

Black Liquid Crystal Polymer

**Flammability Rating:**

UL 94V-O

**Temperature Range:**

-20 °C to +105 °C  
(Rainbow Cable)  
-40 °C to +105 °C (Gray Cable)

**Voltage Rating:**

425 VAC/600 VDC

**Contact:**

Phosphor Bronze

**Plating:**

10 μ" (0.25 μm) Au on  
contact area, 150 μ" (3.81 μm)  
Sn on balance over  
50 μ" (1.27 μm) Ni.

**Lead Size Range:**

.024" (0.61 mm) SQ to

.026" (0.66 mm) SQ

**Lead Insertion Depth:**

.185" (4.70 mm) to

.250" (6.35 mm)

**Wire:**

28 AWG 7/36 stranded

Tinned Copper

**RoHS Compliant:**

Yes

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?HCMD](http://www.samtec.com?HCMD) or [www.samtec.com?HCMS](http://www.samtec.com?HCMS)

**HCMD, HCMS****Insulator Material:**

Black Liquid Crystal Polymer

**Flammability Rating:**

UL 94V-O

**Temperature Range:**

-20 °C to +105 °C  
(Rainbow Cable)  
-40 °C to +105 °C (Gray Cable)

**Voltage Rating:**

425 VAC/600 VDC

**Terminal:**

Phosphor Bronze

**Plating:**

Sn over 50 μ" (1.27 μm) Ni

**Wire:**

28 AWG 7/36 stranded

Tinned Copper

**RoHS Compliant:**

Yes

**Note:**

IDC assemblies are  
non-standard, non-returnable.

**TYPE  
STRIP****ROW  
OPTION****NO. PINS  
PER ROW****END  
ASSEMBLY****ASSEMBLED  
LENGTH****S**

= Single

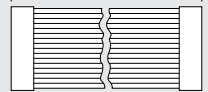
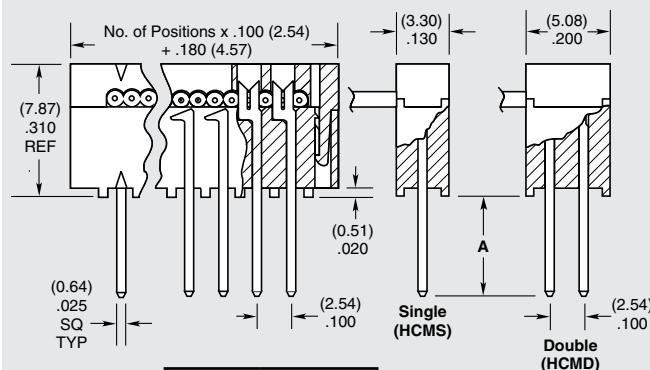
**D**

= Double

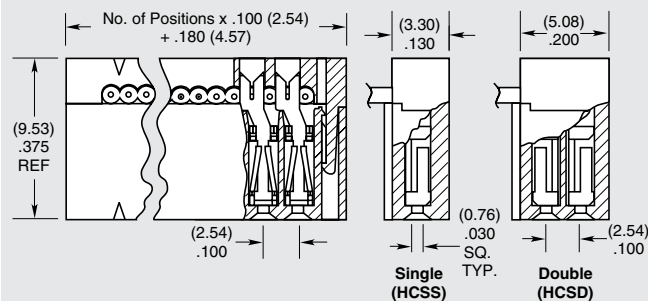
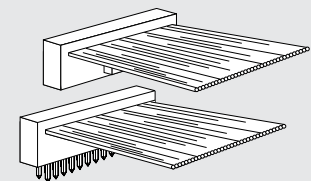
**-05, -08,  
-10, -12,  
-13, -15,  
-17, -20**

**-"XX.XX"**  
= Assembled Length

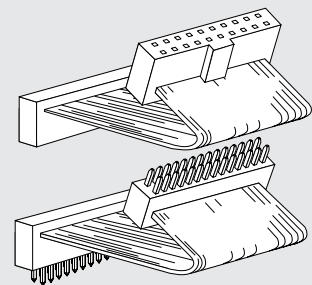
Assembled Length in  
INCHES (±1/8")  
2 inches minimum

**HCM**  
= Male Strip

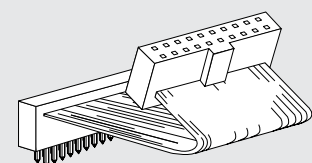
| LEAD<br>STYLE | A           |
|---------------|-------------|
| -01           | (3.05) .120 |
| -02           | (5.84) .230 |

**HCS**  
= Socket Strip**-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 HCM.**

HCSS-15-S-03.00-01-G

HCSD-10-S-03.00-01-T-G

## HCMD, HCMS, HCSD, HCSS SERIES

### LEAD STYLE

#### -01

= HCSS/HCSD or  
(3.05 mm) .120" tail for  
HCMS/HCMD

#### -02

= (5.84 mm) .230" tail  
HCMS/HCMD only

### PLATING OPTION

#### -S

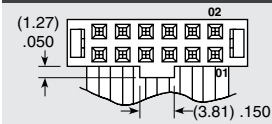
= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact area or tail,  
Tin on balance  
(Standard on HCSS & HCSD. Leave blank)

#### -T

= Tin  
(Standard on HCMS & HCMD. Leave blank)

### NOTCH POLARIZATION

#### -N = Notch Polarization

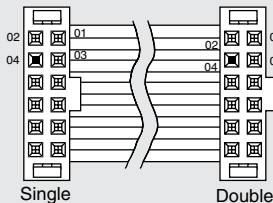


Required for HCSS and HCSD.  
(Not available on HCMS or HCMD,  
unless Transfer, then only the  
socket is polarized.)

### OTHER OPTIONS

#### -P "XX"

= Position Polarization

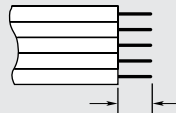


Specify "XX" as position. For  
Double the same position will  
be polarized on both ends. (Not  
available on HCM, unless Transfer,  
then only the socket is polarized)

#### -ST "X"

= Stripped & Tinned

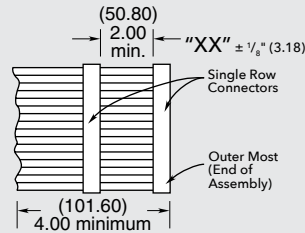
Specify Suffix from table.  
All dimensions are  $\pm 1/16$ " (1.59 mm).



|      |              |
|------|--------------|
| -ST8 | 1/8" (3.18)  |
| -ST4 | 1/4" (6.35)  |
| -ST2 | 1/2" (12.70) |
| -ST3 | 3/8" (9.53)  |

#### -S "XX"

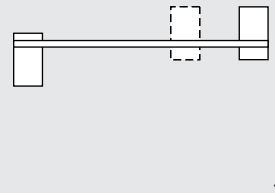
= Daisy Chain Single



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.

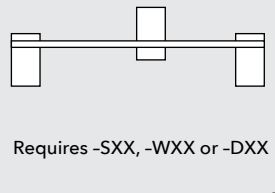
#### -R

= Reversed



#### -M

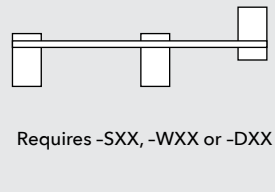
= Middle Reversed



Requires -SXX, -WXX or -DXX

#### -O

= Outside Reversed



Requires -SXX, -WXX or -DXX

#### -G

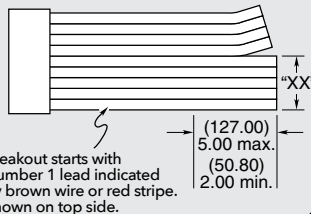
= Gray Cable

Standard cable is color coded. Specify  
-G for Gray cable with one red edge.

#### -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.

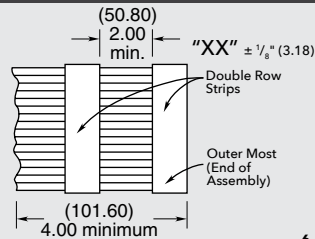
#### -RW

= Reversed Wiring

#1 wire opposite position #1

#### -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.