

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-0

**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-0

**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
	<p><b>S</b> = Single</p> <p><b>D</b> = Double (Color coded cable N/A for 36 pins/row. See -G option.)</p>	<p><b>-05, -08,</b> <b>-10, -12,</b> <b>-13, -15,</b> <b>-17, -20</b></p>		<p><b>-"XX.XX"</b> = Assembled Length</p> <p>Assembled Length in INCHES (±1/8") 2 inches minimum</p>

**HCM = Male Strip**

LEAD STYLE	A
<b>-01</b>	(3.05) .120
<b>-02</b>	(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**

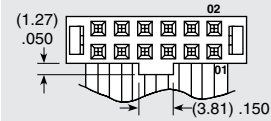
= 10  $\mu$ " (0.25  $\mu$ m) Gold on contact area or tail, Tin on balance (Standard on HCSS & HCSD. Leave blank)

**-T**

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

**NOTCH POLARIZATION**

**-N** = Notch Polarization

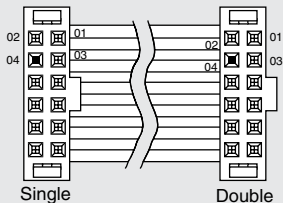


Required for HCSS and HCSD. (Not available on HCMS or HCMD, unless Transfer, then only the socket is polarized.)

**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)

**-G**

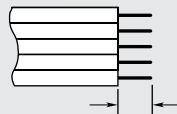
= Gray Cable

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

**-ST "X"**

= Stripped & Tinned

Specify Suffix from table. All dimensions are  $\pm 1/16"$  (1.59 mm). Not available in 28 positions and higher.

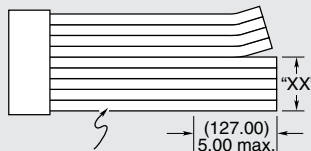


<b>-ST8</b>	1/8" (3.18)
<b>-ST4</b>	1/4" (6.35)
<b>-ST2</b>	1/2" (12.70)
<b>-ST3</b>	3/8" (9.53)

**-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.

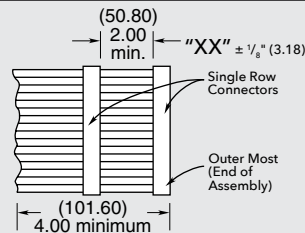
**-RW**

= Reversed Wiring

#1 wire opposite position #1

**-S "XX"**

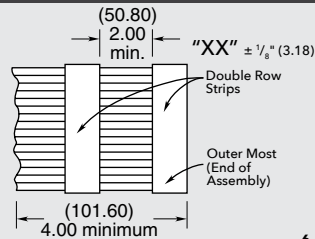
= Daisy Chain Single



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



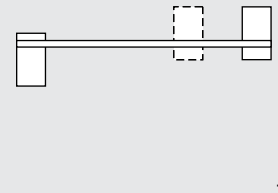
**-W "XX"**

= Wiring Reversed Daisy Chain, Single

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

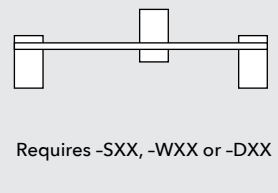
**-R**

= Reversed



**-M**

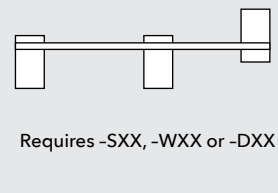
= Middle Reversed



Requires -SXX, -WXX or -DXX

**-O**

= Outside Reversed



Requires -SXX, -WXX or -DXX

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[HCMS-36-D-10.00-01-G](#) [HCMS-32-T-08.00-02](#) [HCMS-32-T-08.00-02-G](#) [HCMS-32-T-12.00-02](#) [HCMS-32-T-16.00-01-R](#) [HCMS-25-T-18.00-01](#) [HCMS-36-T-09.00-02-G](#) [HCMS-36-S-02.00-02](#) [HCMS-30-T-02.00-01](#) [HCMS-32-T-04.00-02](#) [HCMS-25-T-12.00-01-S](#) [HCMS-32-T-36.00-01-S-G](#) [HCMS-30-D-12.00-01](#) [HCMS-32-T-06.00-01-S](#) [HCMS-32-T-30.00-01](#) [HCMS-25-T-12.00-01](#) [HCMS-25-T-10.00-01](#) [HCMS-25-S-05.00-02-G](#) [HCMS-36-T-08.00-02-G](#) [HCMS-25-T-05.00-02-S-R](#) [HCMS-30-D-06.00-01](#) [HCMS-25-T-24.00-01](#) [HCMS-25-D-04.00-01](#) [HCMS-30-T-06.00-01](#) [HCMS-30-T-12.00-01](#) [HCMS-36-T-08.00-01-T](#) [HCMS-36-T-24.00-01-G](#) [HCMS-27-T-04.00-01-S-G-B09](#) [HCMS-36-D-04.00-02](#) [HCMS-36-T-04.00-01](#) [HCMS-36-D-04.00-02-R](#) [HCMS-32-S-12.00-01](#) [HCSD-12-D-08.00-01-N-RW](#) [HCSD-08-D-12.00-01-N-RW-R](#) [HCSD-03-S-02.00-01-G](#) [HCSD-12-D-04.00-01-T-N-G](#) [HCSD-08-D-03.74-01-N-G](#) [HCSD-13-S-09.00-01-N-G](#) [HCMS-21-D-05.00-02](#) [HCSD-11-D-03.50-01-N](#) [HCSD-05-D-10.00-01-N-G-D02-O](#) [HCSD-07-S-24.00-01-N-G-ST2](#) [HCSD-05-D-32.00-01-T-N-G](#) [HCSD-15-D-18.00-01-T-N-G](#) [HCMS-09-S-20.00-01](#) [HCSD-03-S-05.00-01-N](#) [HCSS-14-D-04.00-01-T-N-G](#) [HCSD-20-D-10.00-01-N-RW](#) [HCSS-08-D-07.80-01-N](#) [HCMS-04-S-10.00-01-S](#) [HCSD-04-D-04.00-01-N-R](#) [HCSD-17-D-05.75-01-N](#) [HCMS-06-T-12.00-02-N](#) [HCMS-10-D-15.00-01-G](#) [HCSD-03-S-04.00-01-N](#) [HCSD-10-D-04.00-01-N-P10-R](#) [HCSD-13-D-10.00-01-N-RW](#) [HCSD-17-D-36.05-01-N](#) [HCMS-14-T-07.50-02-N](#) [HCSD-10-D-03.13-01-N](#) [HCSD-02-S-50.00-01-T](#) [HCSD-10-D-31.49-01-N-R](#) [HCSD-10-D-11.80-01-T-N-G](#) [HCSD-08-D-40.00-01-N-P01](#) [HCSD-08-S-23.00-01-N-G-B15](#) [HCSD-06-D-09.89-01-N](#) [HCSD-08-D-02.75-01-N](#) [HCMS-10-T-06.00-01-N](#) [HCSD-06-D-08.00-01-N-D02](#) [HCMS-13-S-08.00-01](#) [HCSD-03-S-20.00-01-N](#) [HCSS-16-D-02.00-01-N](#) [HCSS-06-S-24.0-01-N-ST4-B01](#) [HCSD-08-D-06.89-01-N-G](#) [HCSD-08-S-18.00-01-N-ST8](#) [HCSD-04-S-06.00-01-N-ST3](#) [HCSD-08-D-07.84-01-N](#) [HCMS-14-T-10.00-02-S-G](#) [HCSS-18-D-02.00-01-N](#) [HCSD-08-D-04.72-01-N](#) [HCSS-02-S-12.00-01](#) [HCSD-10-D-14.00-01-N-S02](#) [HCSD-05-D-80.40-01-N-R](#) [HCSD-20-D-09.84-01-N](#) [HCSD-11-D-06.00-01-N](#) [HCSD-10-D-07.00-01-N-RW](#) [HCSD-05-S-72.00-01-N-G](#) [HCMS-08-D-08.50-02-S](#) [HCSD-05-D-02.36-01-N](#) [HCSD-20-D-02.36-01-N](#) [HCSD-06-D-36.00-01-N](#) [HCSS-06-S-04.00-01-N-ST8](#) [HCSD-17-D-04.00-01-N-D02](#) [HCSD-19-D-04.00-01-T-N-G](#) [HCSD-10-D-33.46-01-N-R](#) [HCSD-09-D-07.00-01](#) [HCSD-06-D-04.00-01-N-R](#) [HCSD-10-D-36.00-01-N-D12](#) [HCSD-05-S-04.00-01-T-N-G-ST4](#) [HCSD-06-D-03.00-01-N-RW-R](#)