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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



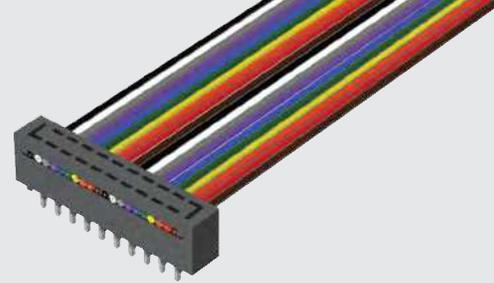
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HCMD-10-S-03.00-01

(2.54 mm) .100"

# IDC SOCKET & TERMINAL CABLE

**Mates with:**

TSW, MTSW, TST, EW, BST, 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  
**Insulation Resistance:** 5000 MΩ  
**Temperature Range:** -20 °C to +105 °C (Rainbow Cable)  
 -40 °C to +105 °C (Gray Cable)  
**Withstanding Voltage:** 1000 VRMS @ 60 Hz  
**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.  
**Contact Resistance:** 10 mΩ  
**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  
**Insulation Resistance:** 5000 MΩ  
**Temperature Range:** -20 °C to +105 °C (Rainbow Cable)  
 -40 °C to +105 °C (Gray Cable)  
**Withstanding Voltage:** 1000 VRMS @ 60 Hz  
**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>-05, -08, -10, -12, -13, -15, -17, -20, -25, -36</p>		<p>-“XX.XX” = Assembled Length</p> <p>Assembled Length in INCHES (±1/8") 2 inches minimum</p>

**HCM = Male Strip**

LEAD 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

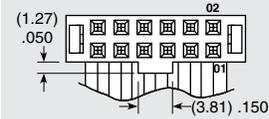
**PLATING OPTION**

**-S**  
= 10 μ" (0.25 μm) 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**

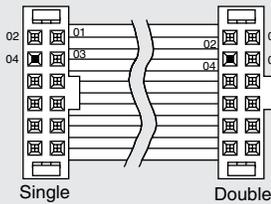
**-N** = Notch Polarization



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



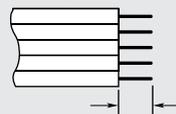
Specify "XX" as position. For Double  
the same position will be polarized  
on both ends. (Not available on  
HCM, unless Transfer, then only the  
socket is polarized)

**-G**  
= Gray Cable

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

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

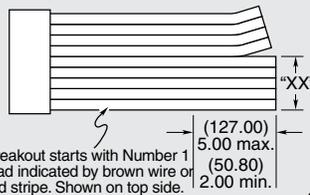
Specify Suffix from table. All  
dimensions are ± 1/16" (1.59 mm). Not  
available in 28 positions and higher.



<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

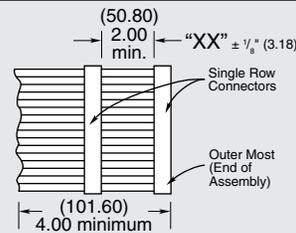
Specify "XX" as number of  
conductors to be broken out.



**-RW**  
= Reversed Wiring

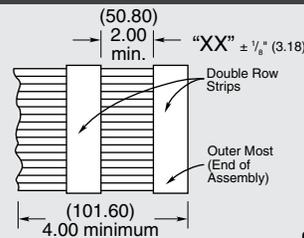
#1 wire opposite position #1

**-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.

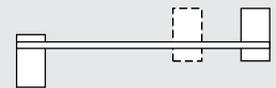
**-D "XX"**  
= Daisy Chain, Double



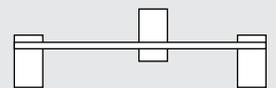
**-W "XX"**  
= Wiring Reversed  
Daisy Chain, Single

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

**-R**  
= Reversed

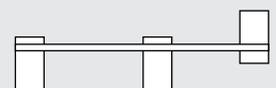


**-M**  
= Middle Reversed



Requires -SXX, -WXX or -DXX

**-O**  
= Outside Reversed



Requires -SXX, -WXX or -DXX