

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 or 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 or 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**

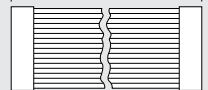
S
= Single

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

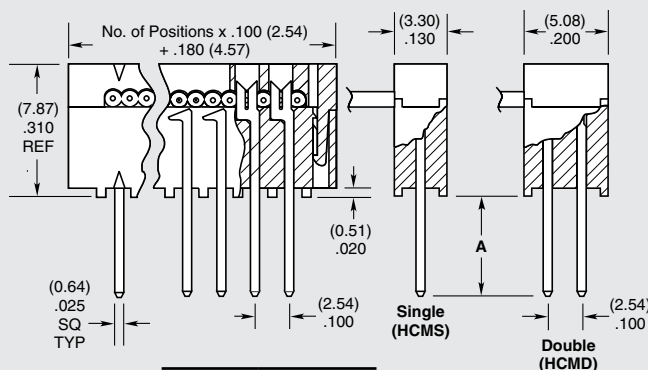
**-05, -08,
-10, -12,
-13, -15,
-17, -20**

-"XX.XX"
= Assembled Length

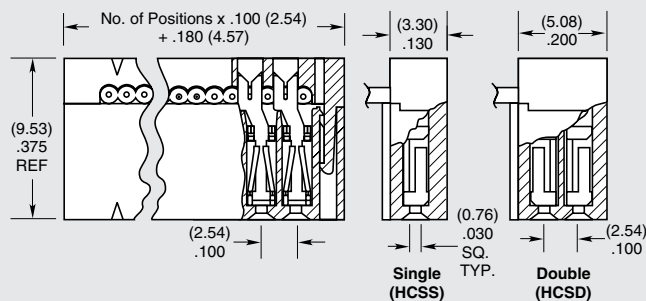
Assembled Length in
INCHES (±1/8")
2 inches minimum



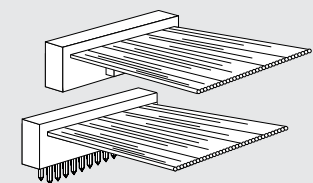
HCM = Male Strip



HCS = Socket Strip

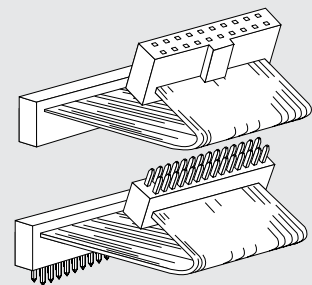


-S = Single End



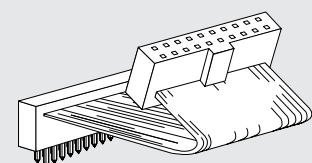
Socket or Male Plug on one end

-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

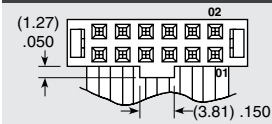
= 10 μ " (0.25 μ m) Gold on contact area or tail,
Tin on balance
(Standard on HCSS & HCSD. Leave blank)

-T

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

NOTCH POLARIZATION

-N = Notch Polarization

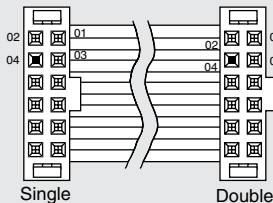


Required for HCSS and HCSD.
(Not available on HCMS or HCMD,
unless Transfer, then only the
socket is polarized.)

OTHER OPTIONS

-P "XX"

= Position Polarization

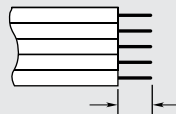


Specify "XX" as position. For
Double the same position will
be polarized on both ends. (Not
available on HCM, unless Transfer,
then only the socket is polarized)

-ST "X"

= Stripped & Tinned

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

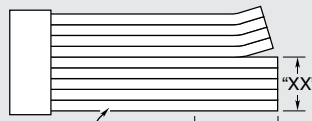


-ST8	1/8" (3.18)
-ST4	1/4" (6.35)
-ST2	1/2" (12.70)
-ST3	3/8" (9.53)

-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.

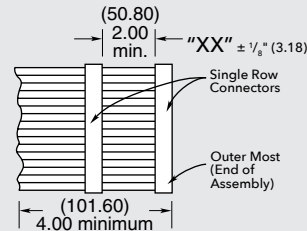
-RW

= Reversed Wiring

#1 wire opposite position #1

-S "XX"

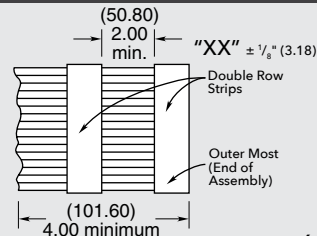
= Daisy Chain Single



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



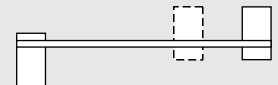
-W "XX"

= Wiring Reversed
Daisy Chain, Single

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

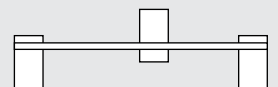
-R

= Reversed



-M

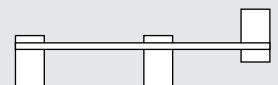
= Middle Reversed



Requires -SXX, -WXX or -DXX

-O

= Outside Reversed



Requires -SXX, -WXX or -DXX

-G

= Gray Cable

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

Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

[HCSD-10-01-N](#) [HCSD-15-01-N](#) [HCSD-17-D-12.00-01-N](#) [HCSD-13-01-N](#) [HCSD-05-D-11.40-01-N-G-R](#) [HCSD-05-D-06.00-01-N](#) [HCSD-05-01-N](#) [HCSD-05-D-10.00-01-N](#) [HCSD-08-01-N](#) [HCSD-20-01-N](#) [HCSD-02-S-06.00-01-ST8](#) [HCSD-02-S-03.00-01-ST8](#) [HCSD-32-01-N](#) [HCSD-32-01-T-N](#) [HCSD-33-01](#) [HCSD-36-01](#) [HCSD-05-D-16.00-01-G-RW](#) [HCSD-08-D-11.00-01-N-R](#) [HCSD-13-D-36.00-01-T](#) [HCSD-30-01-N](#) [HCSD-30-01-T](#) [HCSD-36-01-T-N](#) [HCSD-05-S-12.00-01-T-N-ST8](#) [HCSD-20-S-04.00-01-T-N-G-RW](#) [HCSD-20-D-04.00-01-T-N-G-RW](#) [HCSD-10-D-06.00-01-T-G-RW](#) [HCSD-15-D-50.00-01-N-G](#) [HCSD-17-D-02.00-01-G-RW](#) [HCSD-17-D-08.00-01-T-G-RW](#) [HCSD-17-D-02.00-01-T-N-G-RW](#) [HCSD-20-D-02.00-01-N-R](#) [HCSD-13-S-36.00-01-T-N](#) [HCSD-10-S-20.00-01-N-G-ST4](#) [HCSD-13-S-03.00-01-T](#) [HCSD-17-D-13.78-01-N-G](#) [HCSD-08-D-60.00-01-N-G](#) [HCSD-10-D-16.00-01-N-B10](#) [HCSD-12-D-36.00-01-N-G-R](#) [HCSD-20-D-15.00-01-G](#) [HCSD-20-S-05.00-01](#) [HCSD-20-S-20.00-01](#) [HCSD-24-01-N](#) [HCSD-30-01](#) [HCSD-32-01-T](#) [HCSD-15-D-03.00-01-N-G](#) [HCSD-17-D-02.00-01-T-G](#) [HCSD-05-D-12.00-01-G](#) [HCSD-05-S-10.00-01-T](#) [HCSD-20-D-07.80-01](#) [HCSD-08-D-36.00-01-T](#) [HCSD-13-D-02.00-01-G-R](#) [HCSD-13-D-06.00-01-G-R](#) [HCSD-13-D-06.00-01-T-N](#) [HCSD-15-01](#) [HCSD-15-D-04.50-01-T-G](#) [HCSD-15-D-12.50-01-N](#) [HCSD-17-01-T](#) [HCSD-17-D-18.00-01-N](#) [HCSD-20-D-04.50-01-N-R](#) [HCSD-20-D-12.00-01-N-G](#) [HCSD-20-D-36.00-01-N-G-R](#) [HCSD-20-S-11.00-01-G-ST8](#) [HCSD-20-S-12.00-01-N](#) [HCSD-20-S-16.00-01](#) [HCSD-21-01-T](#) [HCSD-36-01-T](#) [HCSD-15-D-20.00-01-N-G](#) [HCSD-15-D-23.00-01-N](#) [HCSD-15-S-72.00-01-N](#) [HCSD-17-D-04.00-01-R](#) [HCSD-17-D-12.00-01](#) [HCSD-17-D-12.00-01-N-G](#) [HCSD-18-D-17.00-01](#) [HCSD-18-D-24.00-01-G-S02](#) [HCSD-20-D-03.00-01](#) [HCSD-20-D-08.00-01-D02-R](#) [HCSD-20-D-18.00-01-N](#) [HCSD-20-S-24.00-01-N](#) [HCSD-20-S-32.00-01](#) [HCSD-28-01-N](#) [HCSD-28-01-T](#) [HCSD-32-01](#) [HCSD-15-D-36.00-01-N-G](#) [HCSD-17-01](#) [HCSD-17-D-06.00-01](#) [HCSD-17-D-06.00-01-N-G](#) [HCSD-17-D-09.50-01](#) [HCSD-17-D-16.25-01](#) [HCSD-17-S-14.00-01](#) [HCSD-18-01-N](#) [HCSD-20-D-48.00-01-N](#) [HCSD-20-S-10.00-01](#) [HCSD-25-01-N](#) [HCSD-33-01-N](#) [HCSD-36-01-N](#) [HCSD-15-S-12.00-01-ST4](#) [HCSD-17-D-06.00-01-N](#) [HCSD-18-01-T](#) [HCSD-20-D-02.50-01-N-R](#) [HCSD-20-D-06.00-01](#)