

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

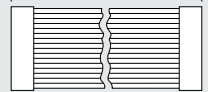
D

= Double

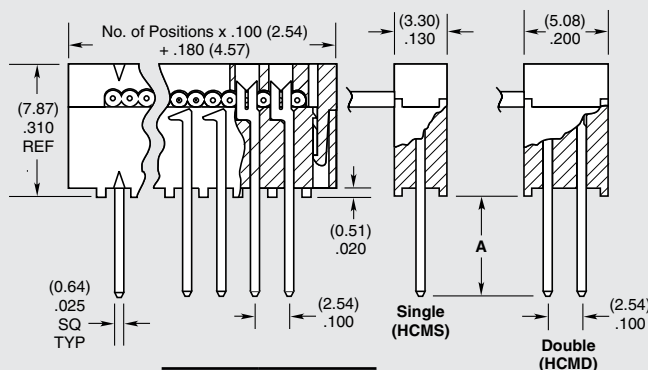
**-05, -08,
-10, -12,
-13, -15,
-17, -20**

-"XX.XX"
= Assembled Length

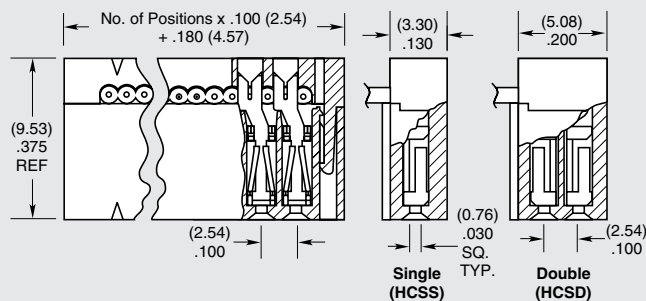
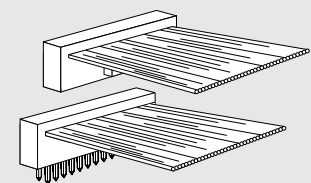
Assembled Length in
INCHES (±1/8")
2 inches minimum



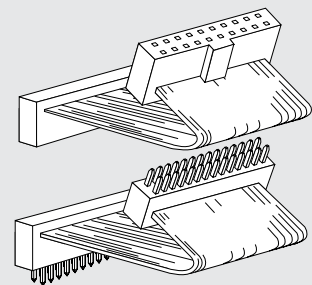
HCM
= Male Strip



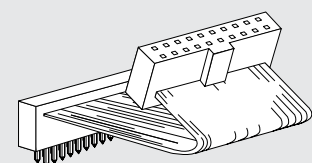
HCS
= Socket Strip

**-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

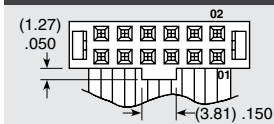
PLATING OPTION

-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

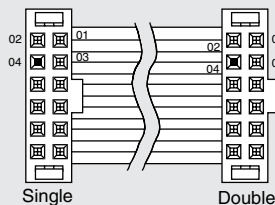


Required for HCSS and HCSD.
(Not available on HCMS or HCMD,
unless Transfer, then only the
socket is polarized.)

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)

-G

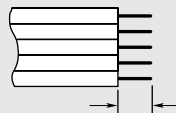
= Gray Cable

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).



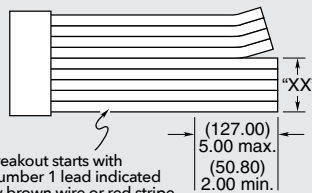
-ST8	1/8" (3.18)
-ST4	1/4" (6.35)
-ST2	1/2" (12.70)
-ST3	3/8" (9.53)

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-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.

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-RW

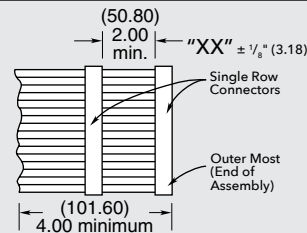
= Reversed Wiring

#1 wire opposite position #1

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-S "XX"

= Daisy Chain Single

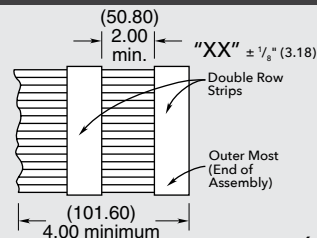


When mating double row connector
with two single row connectors, the
outer most single will be connected
to Conductor #1 and the inside
single to Conductor #2.

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-D "XX"

= Daisy Chain, Double



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-W "XX"

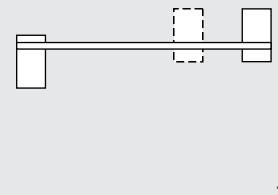
= Wiring Reversed
Daisy Chain, Single

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

6

-R

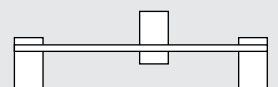
= Reversed



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-M

= Middle Reversed



Requires -SXX, -WXX or -DXX

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-O

= Outside Reversed



Requires -SXX, -WXX or -DXX

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