

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 or 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)
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

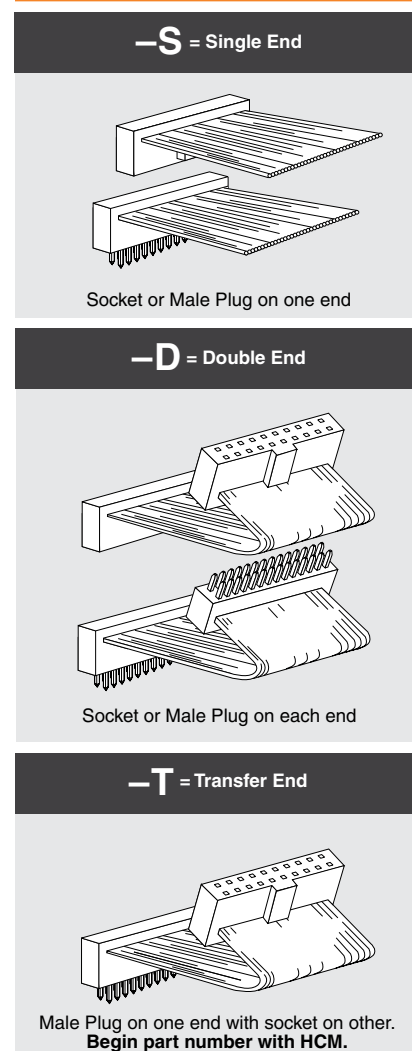
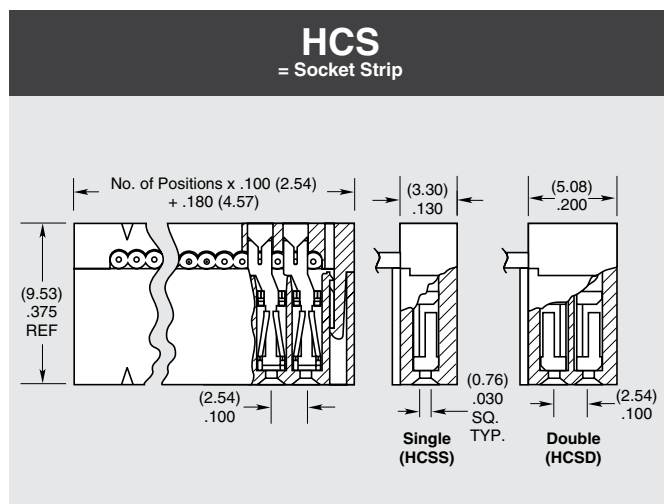
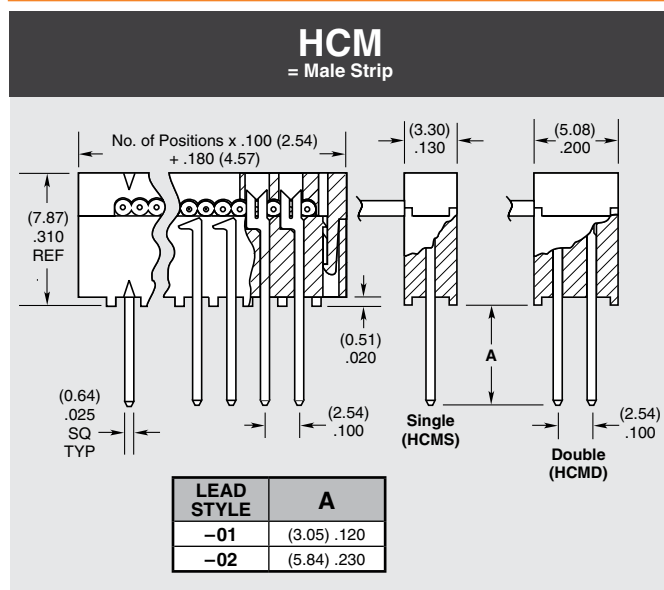
For complete specifications and recommended PCB layouts see www.samtec.com?HCMD or www.samtec.com?HCMS

HCMD, HCMS

Insulator Material:
Black Liquid Crystal Polymer
Flammability Rating:
UL 94V-O
Insulation Resistance:
5000 MΩ
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	-05, -08, -10, -12, -13, -15, -17, -20		-“XX.XX” = Assembled Length
	D = Double (Color coded cable N/A for 36 pins/row. See -G option.)			Assembled Length in INCHES (±1/8") 2 inches minimum



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Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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

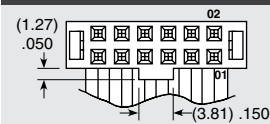
PLATING OPTION

-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

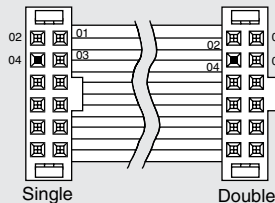
-N = Notch Polarization



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

OTHER OPTIONS

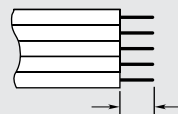
-P "XX"
= Position Polarization



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

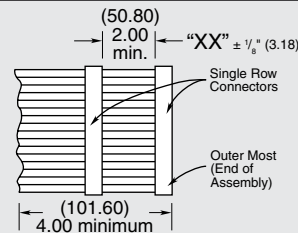
Specify Suffix from table. All
dimensions are $\pm 1/16$ " (1.59 mm). Not
available in 28 positions and higher.



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

3

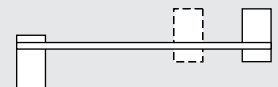
-S "XX"
= Daisy Chain Single



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.

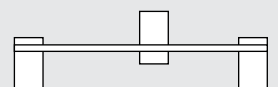
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-R
= Reversed



7

-M
= Middle Reversed



Requires -SXX, -WXX or -DXX

7

-O
= Outside Reversed



Requires -SXX, -WXX or -DXX

7

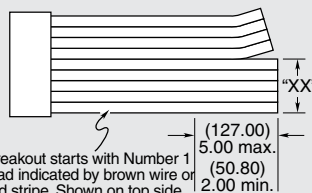
-G
= Gray Cable

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

2

-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.

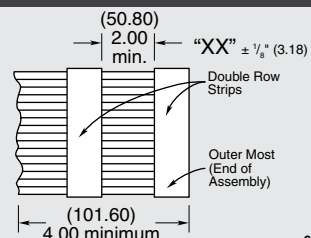
4

-RW
= Reversed Wiring

#1 wire opposite position #1

5

-D "XX"
= Daisy Chain, Double



6

-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

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