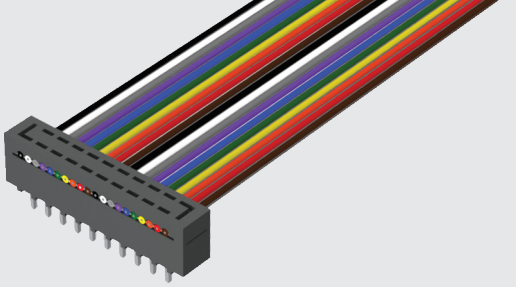
samtec



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

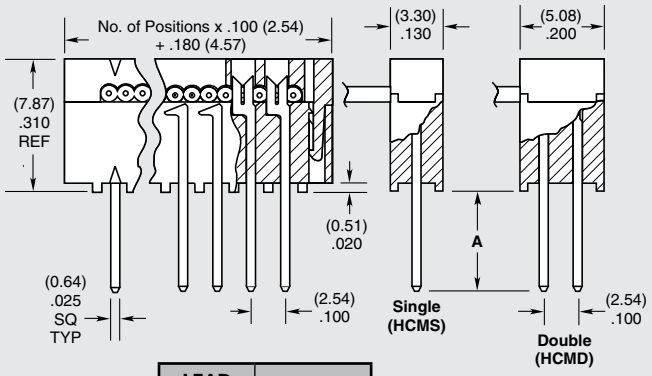
Insulator Material:
Black Liquid Crystal Polymer
Flammability Rating:
UL 94V-O
Temperature Range:
-20 °C to +105 °C
(Rainbow Cable)
-40 °C to +105 °C (Gray Cable)
Voltage Rating:
425 VAC/600 VDC
Terminal:
Phosphor Bronze
Plating:
Sn over 50 µ" (1.27 µm) Ni
Wire:
28 AWG 7/36 stranded Tinned Copper
RoHS 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

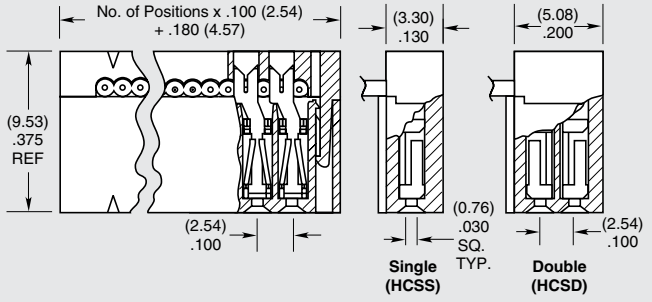
Assembled Length in INCHES (±1/8") 2 inches minimum

HCM
= Male Strip

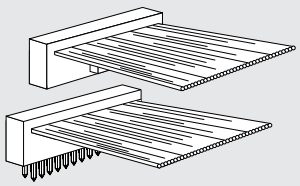


LEAD STYLE	A
-01	(3.05) .120
-02	(5.84) .230

HCS
= Socket Strip

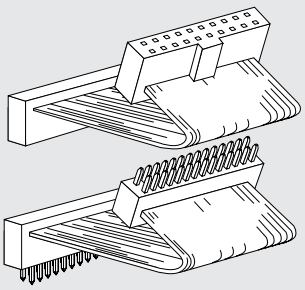


-S = Single End



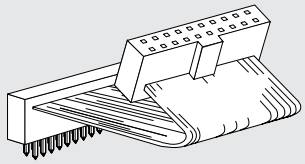
Socket or Male Plug on one end

-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.

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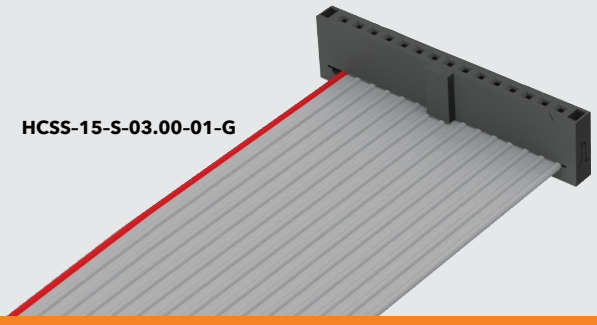
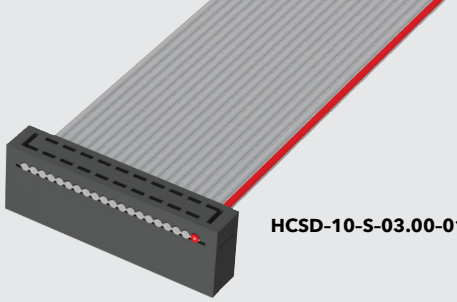


HCSS-15-S-03.00-01-G



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

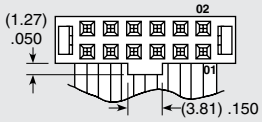
PLATING OPTION

-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

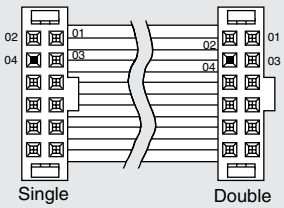
-N = Notch Polarization



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)

1

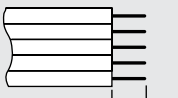
-G
= Gray Cable

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

2

-ST "X"
= Stripped & Tinned

Specify Suffix from table.
All dimensions are ± 1/16" (1.59 mm).

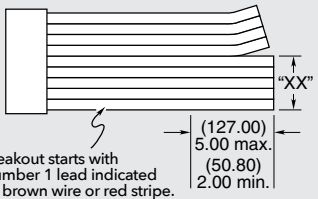


-ST8	1/8" (3.18)
-ST4	1/4" (6.35)
-ST2	1/2" (12.70)
-ST3	3/8" (9.53)

3

-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.

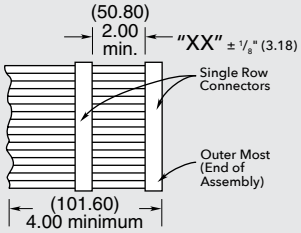
4

-RW
= Reversed Wiring

#1 wire opposite position #1

5

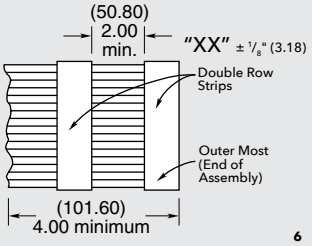
-S "XX"
= Daisy Chain Single



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.

6

-D "XX"
= Daisy Chain, Double



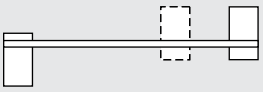
6

-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.

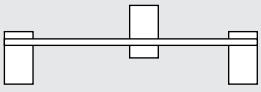
6

-R
= Reversed



7

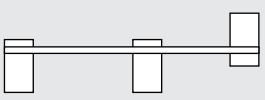
-M
= Middle Reversed



Requires -SXX, -WXX or -DXX

7

-O
= Outside Reversed



Requires -SXX, -WXX or -DXX

7

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