

HCMD-10-S-03.00-01-G

(2,54 mm) .100"

IDC SOCKET & TERMINAL CABLE

Mates with:TSW, MTSW,
TST, EW, BST,
ZST, MTLW, TSM**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)

Withstanding Voltage:

1000 VRMS @ 60 Hz

Contact: Phosphor Bronze**Plating:** 10μ" (0.25 μm) Au on contact area, 150μ" (3.81 μm)

Sn on balance over

50μ" (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)**Insertion Force:**6 oz (1.67 N) average with
.025" (0.64 mm) SQ probe**Withdrawal Force:**3 oz (0.83 N) average with
.025" (0.64 mm) SQ probe**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?HCS

HCMD, HCMS

Insulator Material:
Black Liquid Crystal Polymer
Flammability Rating:
UL 94V-O

Insulation Resistance:

5000 MΩ

Temperature Range:

-55°C to +80°C

Withstanding Voltage:

1000 VRMS @ 60 Hz

Terminal: Phosphor Bronze**Plating:**

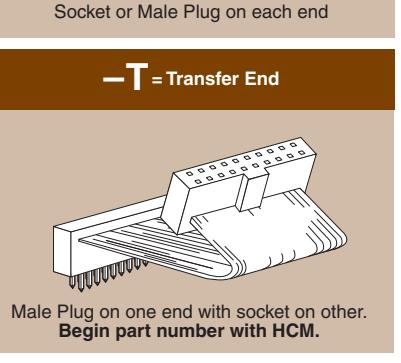
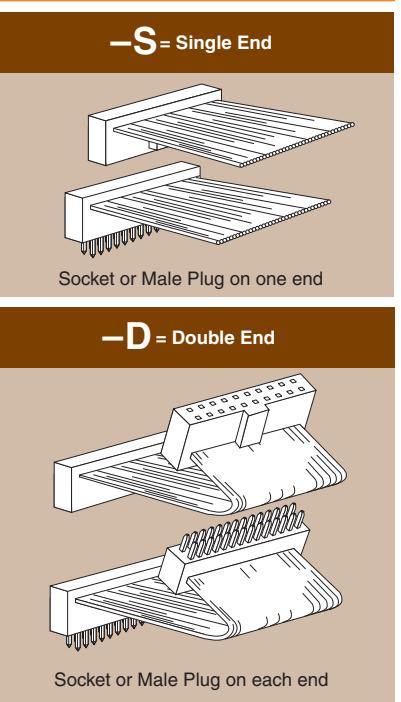
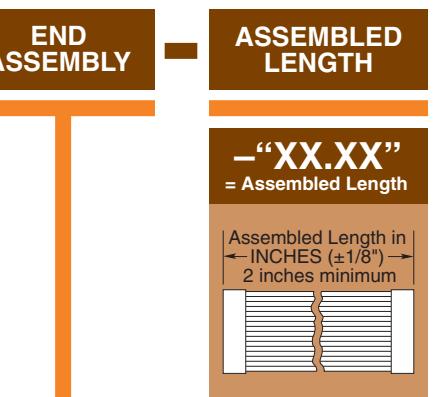
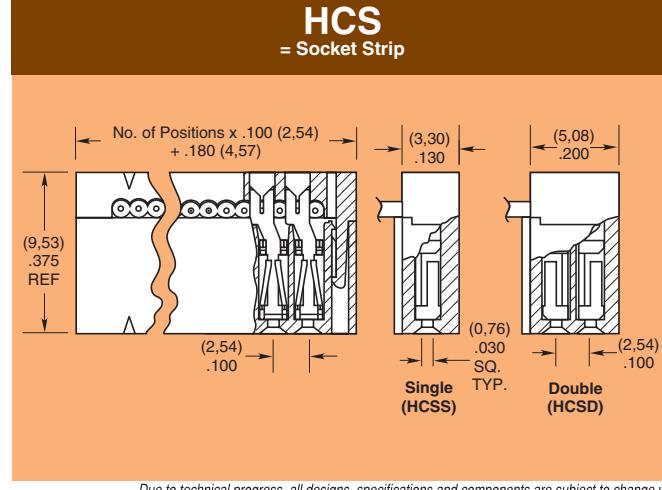
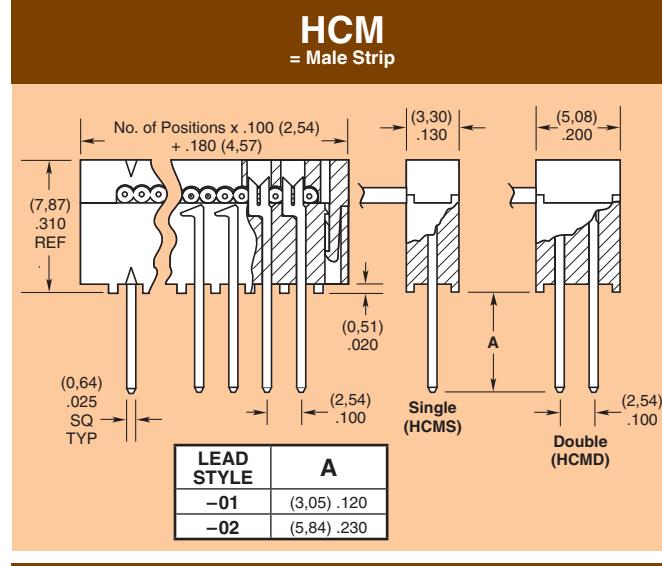
Sn over 50μ" (1.27 μm) Ni

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, -25, -36		
	D = Double (Color coded cable N/A for 31 thru 36 pins/row. See -G option.)			



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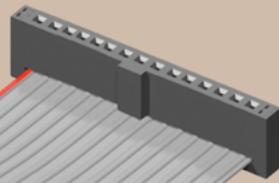
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HCSS-15-S-03.00-01-G



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

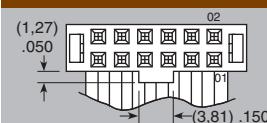
PLATING OPTION

-S
= $10\mu\text{m}$ (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)

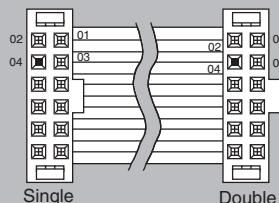
NOTCH POLARIZATION

-N = Notch Polarization



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

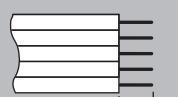
OTHER OPTIONS

-P "XX"
= Position Polarization

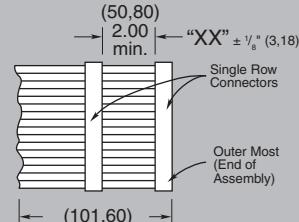
Specify "XX" as position. For Double the same position will be polarized on both ends. (Not available on HCM, unless Transfer, then only the socket is polarized)

-ST "X"
= Stripped & Tinned

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



-ST8	$\frac{1}{8}$ " (3.18)
-ST4	$\frac{1}{4}$ " (6.35)
-ST2	$\frac{1}{2}$ " (12.70)
-ST3	$\frac{3}{8}$ " (9.53)

-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.

-R
= Reversed

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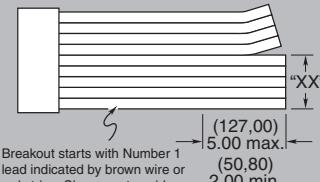
-G
= Gray Cable

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

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-B "XX"
= Breakout

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



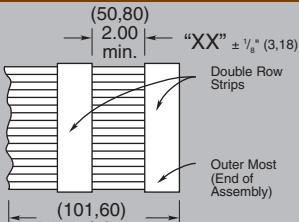
Breakout starts with Number 1 lead indicated by brown wire or red stripe. Shown on top side.

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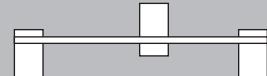
-RW
= Reversed Wiring

#1 wire opposite position #1

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-D "XX"
= Daisy Chain, Double

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

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

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-O
= Outside Reversed

Requires -SXX, -WXX or -DXX

7

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