

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)

Withstanding Voltage:

1000 VRMS @ 60 Hz

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)

Withstanding Voltage:

1000 VRMS @ 60 Hz

Terminal:

Phosphor Bronze

Plating:

Sn over 50 μ" (1.27 μm) Ni

Wire:

28 AWG 7/36 stranded

Tinned Copper

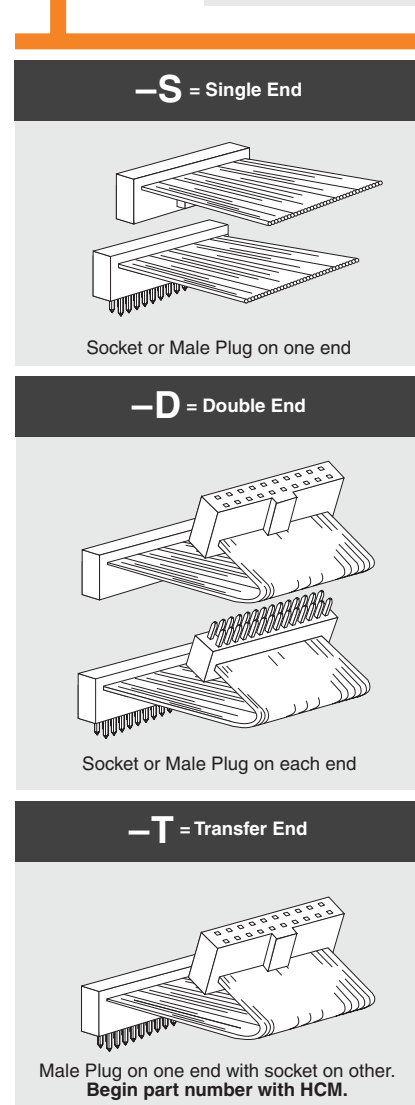
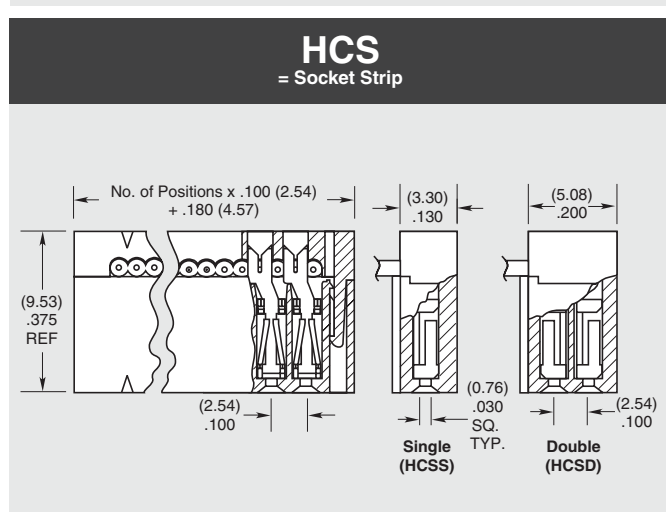
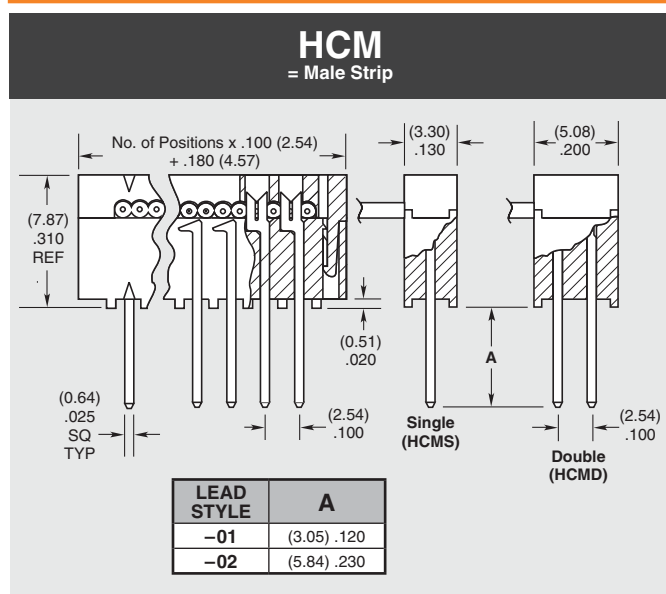
RoHS Compliant:

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



Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

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

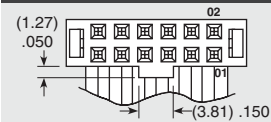
PLATING OPTION

-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

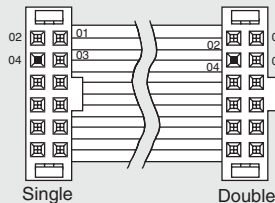
-N = Notch Polarization



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

OTHER OPTIONS

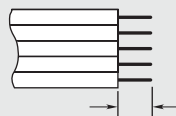
-P "XX"
= Position Polarization



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

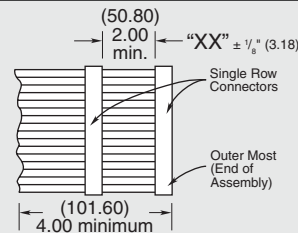
Specify Suffix from table. All
dimensions are $\pm 1/16$ " (1.59 mm). Not
available in 28 positions and higher.



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

3

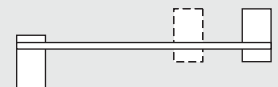
-S "XX"
= Daisy Chain Single



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.

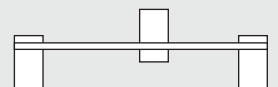
6

-R
= Reversed



7

-M
= Middle Reversed



Requires -SXX, -WXX or -DXX

7

-O
= Outside Reversed



Requires -SXX, -WXX or -DXX

7

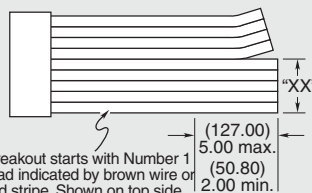
-G
= Gray Cable

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.

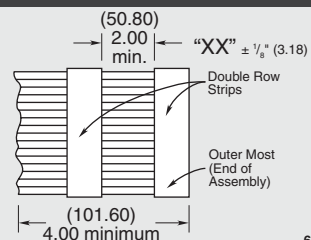
4

-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

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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

Samtec:

[HCMD-20-S-10.00-02](#) [HCMD-04-S-18.00-01](#) [HCMD-04-T-04.00-01-G](#) [HCMD-05-D-05.00-01-S](#) [HCMD-05-S-36.00-01-ST2](#) [HCMD-05-T-02.00-01-T-N-G-R](#) [HCMD-05-T-06.00-01-R](#) [HCMD-05-T-06.00-01-S-G](#) [HCMD-06-S-15.00-01](#) [HCMD-07-T-03.00-01-S](#) [HCMD-07-T-07.00-01-R](#) [HCMD-08-S-36.00-01-ST2](#) [HCMD-08-T-24.00-02](#) [HCMD-10-D-09.00-01-S](#) [HCMD-10-T-02.00-01-G](#) [HCMD-10-T-02.00-01-R](#) [HCMD-10-T-02.00-01-T-R](#) [HCMD-10-T-04.30-01-S](#) [HCMD-10-T-04.30-01-S-G](#) [HCMD-10-T-20.00-02-RW](#) [HCMD-12-D-03.50-02-S-R](#) [HCMD-12-D-06.00-02-S](#) [HCMD-12-T-10.00-01-T-P24](#) [HCMD-13-T-04.00-01-T](#) [HCMD-13-T-04.00-02-G](#) [HCMD-13-T-16.00-02-R](#) [HCMD-14-T-02.00-02-T-N](#) [HCMD-15-D-12.00-01-S](#) [HCMD-15-S-06.00-02](#) [HCMD-15-T-03.30-02-N-R-RW](#) [HCMD-15-T-03.60-01-S-G-R](#) [HCMD-15-T-03.65-02-S-N-R-RW](#) [HCMD-15-T-18.00-01](#) [HCMD-17-D-06.00-01-R](#) [HCMD-17-T-02.50-02-T-R](#) [HCMD-17-T-03.00-01](#) [HCMD-17-T-03.00-01-R](#) [HCMD-17-T-06.00-01-N](#) [HCMD-17-T-06.00-01-R](#) [HCMD-17-T-13.00-02-N-G-R-RW](#) [HCMD-20-D-05.00-01-S-G](#) [HCMD-20-D-05.00-02](#) [HCMD-20-S-03.00-02-S-G-RW](#) [HCMD-20-T-03.00-01-S](#) [HCMD-20-T-06.00-01](#) [HCMD-20-T-06.00-01-S-G](#) [HCMD-20-T-12.00-02](#) [HCMD-20-T-36.00-02-N](#) [HCMD-21-T-04.00-01-G](#) [HCMD-02-S-05.00-02](#) [HCMD-02-T-24.00-02-G](#) [HCMD-05-S-03.00-01](#) [HCMD-05-T-04.00-01-N](#) [HCMD-05-T-04.50-01-R](#) [HCMD-05-T-08.50-01-S-G](#) [HCMD-06-D-02.00-01-G](#) [HCMD-06-T-24.00-01-T](#) [HCMD-06-T-24.00-02](#) [HCMD-07-T-04.00-02-N-G](#) [HCMD-07-T-17.00-01-N-R](#) [HCMD-08-T-14.00-01-S](#) [HCMD-09-S-05.00-02](#) [HCMD-09-S-18.00-01](#) [HCMD-10-S-05.00-01](#) [HCMD-10-T-03.00-01-R](#) [HCMD-10-T-06.00-01-G](#) [HCMD-10-T-06.00-01-N](#) [HCMD-10-T-10.00-01-N-G](#) [HCMD-10-T-12.00-01](#) [HCMD-11-S-06.50-01-ST4](#) [HCMD-13-T-10.00-01](#) [HCMD-13-T-10.00-01-S](#) [HCMD-13-T-10.00-02-T-R](#) [HCMD-15-T-06.00-01-G](#) [HCMD-16-T-03.00-02](#) [HCMD-17-T-04.44-01-G-P14-R](#) [HCMD-17-T-05.00-01](#) [HCMD-17-T-05.00-01-R](#) [HCMD-17-T-24.00-01](#) [HCMD-20-D-07.50-01](#) [HCMD-20-D-10.00-02-R](#) [HCMD-20-S-12.00-01-ST4](#) [HCMD-20-S-12.00-02](#) [HCMD-20-T-04.00-01-S-G](#) [HCMD-20-T-04.00-01-T](#) [HCMD-20-T-10.00-01-N-G-RW](#) [HCMD-20-T-18.00-02-S](#) [HCMD-20-T-22.00-01-S-N](#) [HCMD-12-T-06.00-02-S](#) [HCMD-12-T-13.00-02](#) [HCMD-12-T-24.00-01](#) [HCMD-13-T-08.00-01](#) [HCMD-13-T-20.00-01-T](#) [HCMD-15-T-08.00-01-S-N](#) [HCMD-17-T-05.20-01-G-P14-R](#) [HCMD-17-T-05.20-02-G-P14-R](#) [HCMD-17-T-10.00-01-G](#) [HCMD-18-T-10.00-02-S](#) [HCMD-20-D-04.00-01](#) [HCMD-17-T-03.00-02-R](#)