

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: 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

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HCMD, HCMS

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Temperature Range:

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(Rainbow Cable)

-40°C to +105°C (Gray Cable)

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

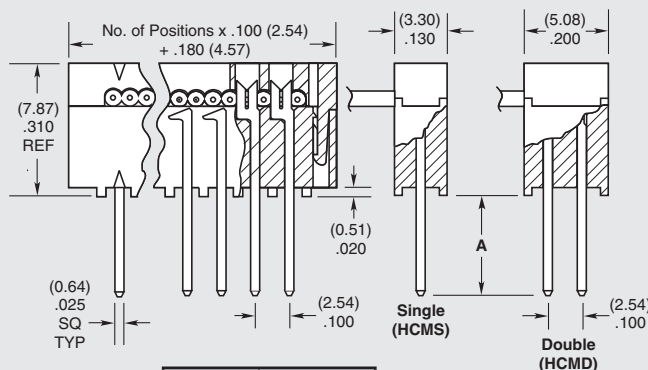
D
= Double
(Color coded cable N/A
for 36 pins/row.
See -G option.)

-05, -08,
-10, -12,
-13, -15,
-17, -20,
-25, -36

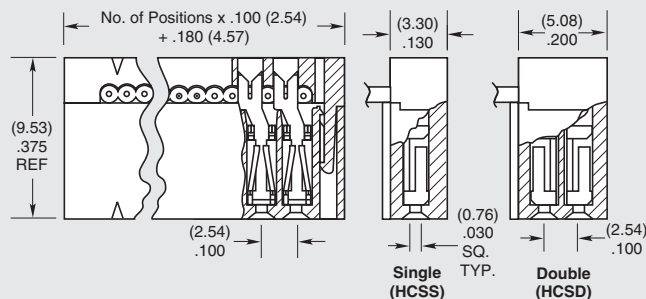
-“XX.XX”
= Assembled Length

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

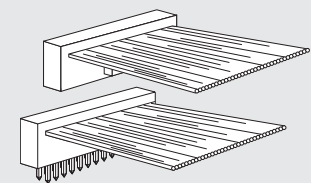
HCM
= Male Strip



HCS
= Socket Strip

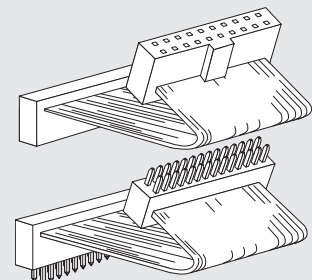


-S = Single End



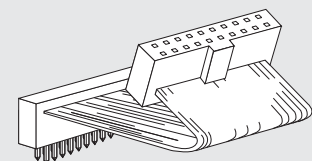
Socket or Male Plug on one end

-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

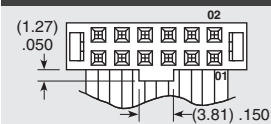
PLATING OPTION

-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

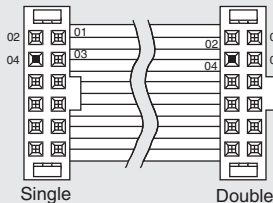
-N = Notch Polarization



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

OTHER OPTIONS

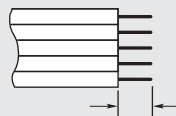
-P "XX" = Position Polarization



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)

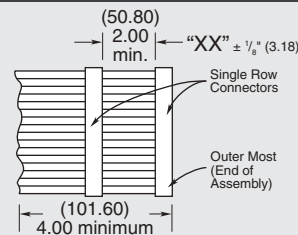
-ST "X" = Stripped & Tinned

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



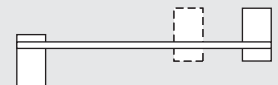
-ST8	1/8" (3.18)
-ST4	1/4" (6.35)
-ST2	1/2" (12.70)
-ST3	3/8" (9.53)

-S "XX" = Daisy Chain Single

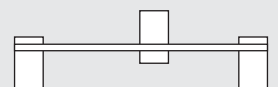


When mating double row connector
with two single row connectors, the
outer most single will be connected
to Conductor #1 and the inside single
to Conductor #2.

-R = Reversed



-M = Middle Reversed



Requires -SXX, -WXX or -DXX

-O = Outside Reversed



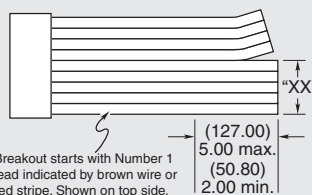
Requires -SXX, -WXX or -DXX

-G = Gray Cable

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

-B "XX" = Breakout

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

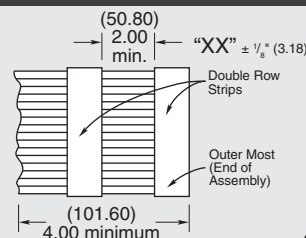


Breakout starts with Number 1
lead indicated by brown wire or
red stripe. Shown on top side.

-RW = Reversed Wiring

#1 wire opposite position #1

-D "XX" = Daisy Chain, Double



-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.