

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

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

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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.

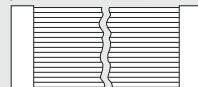
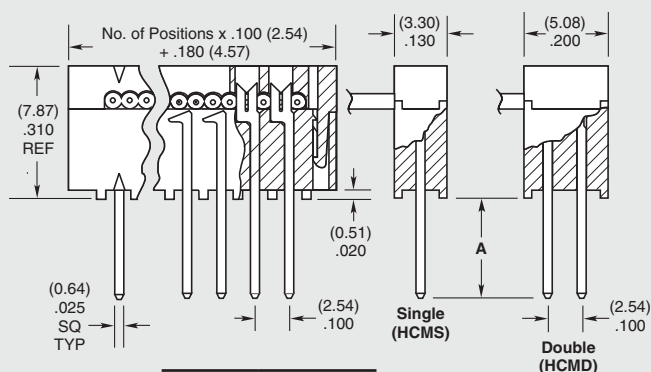
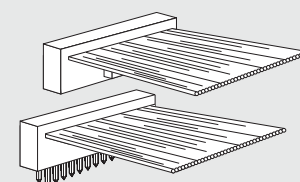
**TYPE
STRIP**
**ROW
OPTION**
**NO. PINS
PER ROW**
**END
ASSEMBLY**
**ASSEMBLED
LENGTH**
S
= Single

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

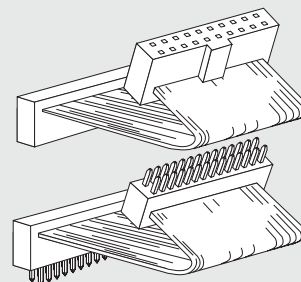
-05, -08,
-10, -12,
-13, -15,
-17, -20

-“XX.XX”
= Assembled Length

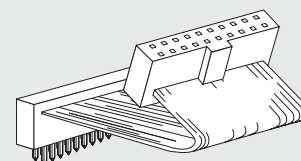
Assembled Length in
INCHES (±1/8")
→
2 inches minimum

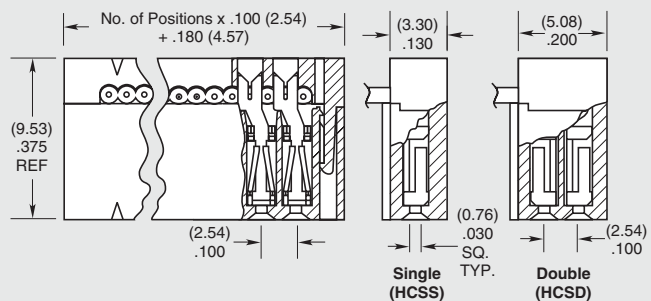

HCM
= Male Strip

-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.

HCS
= Socket Strip


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

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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

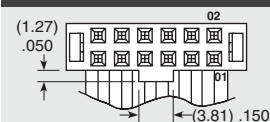
PLATING OPTION

-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

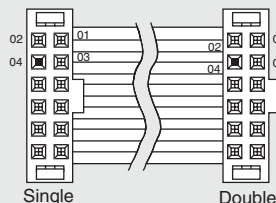
-N = Notch Polarization



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

OTHER OPTIONS

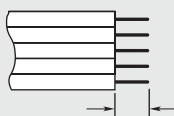
-P "XX"
= Position Polarization



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

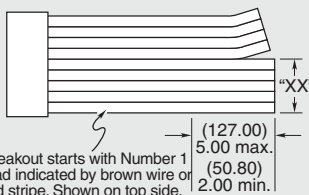
Specify Suffix from table. All
dimensions are $\pm 1/16$ " (1.59 mm). Not
available in 28 positions and higher.



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

-B "XX"
= Breakout

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

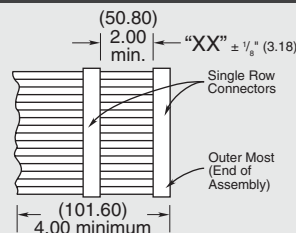


Breakout starts with Number 1
lead indicated by brown wire or
red stripe. Shown on top side.

-RW
= Reversed Wiring

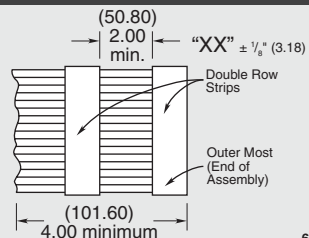
#1 wire opposite position #1

-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.

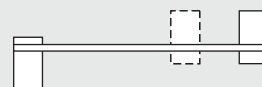
-D "XX"
= Daisy Chain, Double



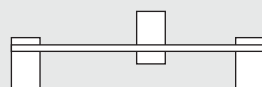
-W "XX"
= Wiring Reversed
Daisy Chain, Single

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

-R
= Reversed

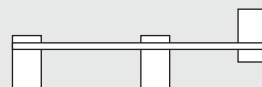


-M
= Middle Reversed



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.

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