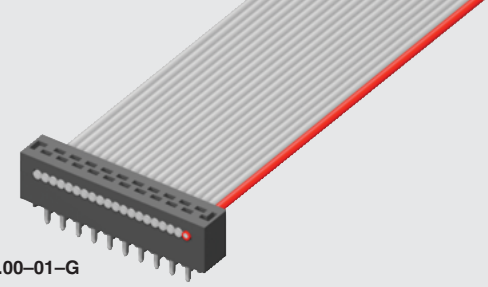
samtec



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, 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

For complete specifications and recommended PCB layouts see www.samtec.com?HCMD or www.samtec.com?HCMS

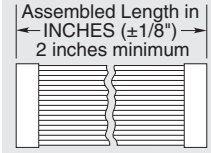
HCMD, HCMS

Insulator Material: Black Liquid Crystal Polymer
Flammability Rating: UL 94V-O
Insulation Resistance: 5000 MΩ
Temperature Range: -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

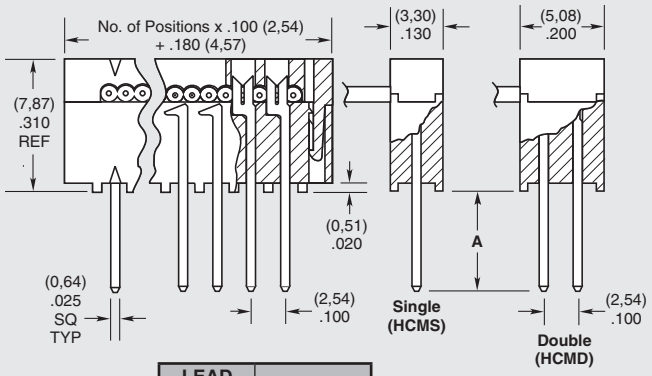
Note:
IDC assemblies are non-standard, non-returnable.

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

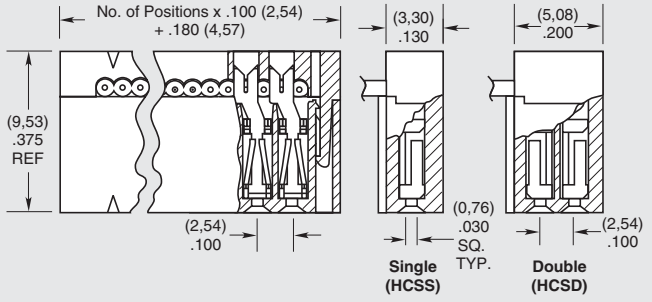


HCM
= Male Strip

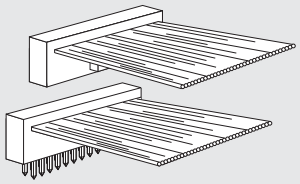


LEAD STYLE	A
–01	(3,05) .120
–02	(5,84) .230

HCS
= Socket Strip

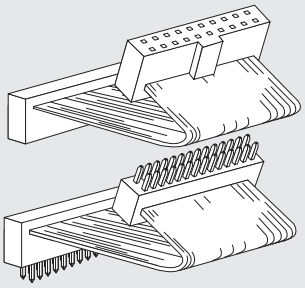


–S = Single End



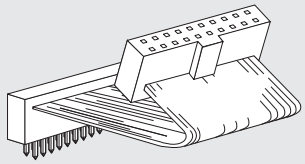
Socket or Male Plug on one end

–D = Double End



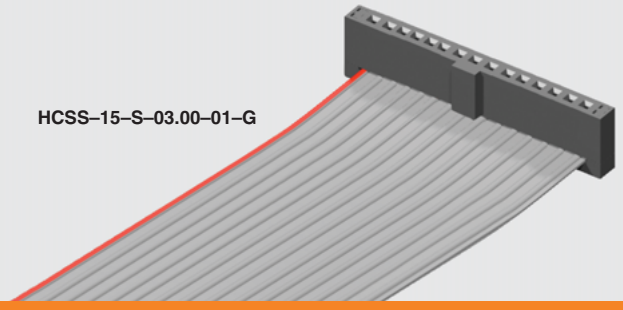
Socket or Male Plug on each end

–T = Transfer End

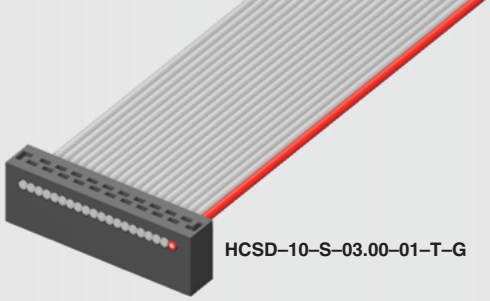


Male Plug on one end with socket on other.
Begin part number with HCM.

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



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

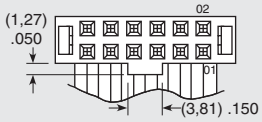
PLATING OPTION

–S
= 10µ" (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

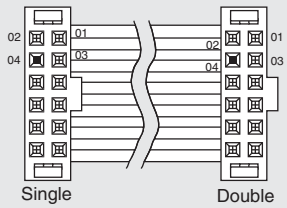
–N = Notch Polarization



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

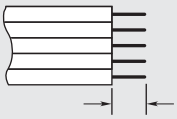
–G
= Gray Cable

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). Not available in 28 positions and higher.

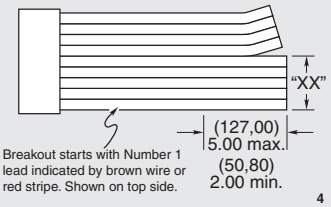


–ST8	1/8" (3,18)
–ST4	1/4" (6,35)
–ST2	1/2" (12,70)
–ST3	3/8" (9,53)

3

–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.

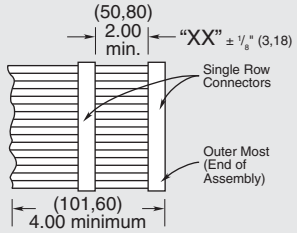
4

–RW
= Reversed Wiring

#1 wire opposite position #1

5

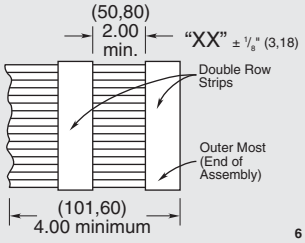
–S "XX"
= Daisy Chain Single



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



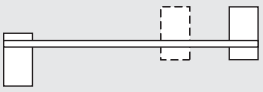
6

–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.

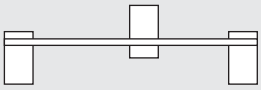
6

–R
= Reversed



7

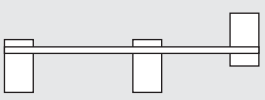
–M
= Middle Reversed



Requires –SXX, –WXX or –DXX

7

–O
= Outside Reversed



Requires –SXX, –WXX or –DXX

7

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