



**THE DATASHEET OF
HLCD-50-06.00-TD-TH-1**



HIGH-SPEED HERMAPHRODITIC CABLE

(0.50 mm) .0197" PITCH • HLCD SERIES



HLCD
Mates:
 LSHM

SPECIFICATIONS

Cable:
 38 AWG 50 Ω coax or
 36 AWG 50 Ω high-temp coax
Signal Routing:
 50 Ω Single-Ended
Plating:
 10 μ" (0.25 μm) Gold on
 contact, Matte Tin on tail
Operating Temp Range:
 -25 °C to +105 °C
 -40 °C to +125 °C (-T option)
Current Rating:
 0.9 A per pin
 (2 pins powered)

HLCD	POSITIONS PER ROW	WIRE LENGTH	END NO. 1	END 1 OPTION	END NO. 2	END 2 OPTION	WIRING OPTION	CABLE OPTION
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-05, -10,
 -20, -30,
 -40, -50
 (Standard sizes)

-"XX.XX"
 = Wire Length
 in Inches
 (43.7 mm)
 01.72"
 minimum

-TR
 = Vertical,
 Top Right

Leave blank for no screw down. Screw down not available for -TD, -TH, -BD & -BH options.

-TL
 = Vertical,
 Top Left

-BR
 = Vertical,
 Bottom Right

-BL
 = Vertical,
 Bottom Left

-TD
 = Right-angle,
 Top

-TH
 = Reversed Right-angle,
 Top

-BD
 = Right-angle,
 Bottom

-BH
 = Reversed Right-angle,
 Bottom

S
 = Screw down in PCB

-TR
 = Vertical,
 Top Right

-TL
 = Vertical,
 Top Left

-BR
 = Vertical,
 Bottom Right

-BL
 = Vertical,
 Bottom Left

-TD
 = Right-angle,
 Top

-TH
 = Reversed Right-angle,
 Top

-BD
 = Right-angle,
 Bottom

-BH
 = Reversed Right-angle,
 Bottom

Leave blank for no screw down. Screw down not available for -TD, -TH, -BD & -BH options.

S
 = Screw down in PCB

-1
 = Pin 1 to Pin 1

-2
 = Pin 1 to Pin 2

-3
 = Pin 1 to Pin N-1

-4
 = Pin 1 to Pin N

Leave blank for 38 AWG coax

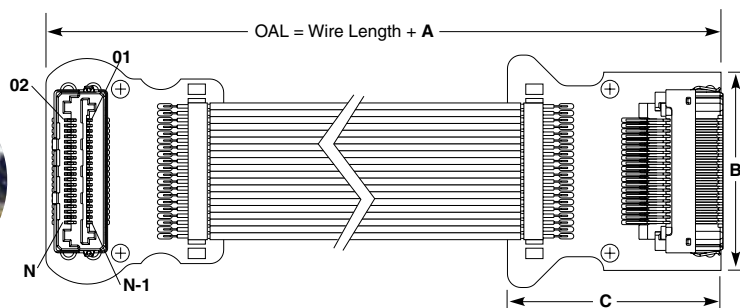
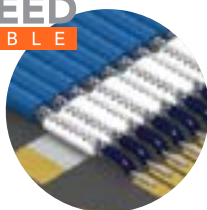
-T
 = 36 AWG, high-temp coax

END TO END	A
Vertical to Vertical	(21.84) .860
Vertical to Right-angle	(25.35) .998
Vertical to Reversed Right-angle	
Right-angle to Right-angle	(28.85) 1.136
Right-angle to Reversed Right-angle	
Reversed Right-angle to Reversed Right-angle	

POSITIONS PER ROW	B	
	XR, XL	XH, XD
-05	(9.65) .380	(10.92) .430
-10	(12.14) .478	(13.41) .528
-20	(17.15) .675	(18.42) .725
-30	(24.77) .975	(26.04) 1.025
-40	(32.39) 1.275	(33.66) 1.325
-50	(40.01) 1.575	(41.28) 1.625

END OPTION	C	D
XL, XR	(16.51) .650	(6.02) .237
XD	(20.02) .788	(6.71) .264
XH		

EYE[®]
SPEED
 CABLE



END NO. 1 (-TR SHOWN)

END NO. 2 (-TD SHOWN)



Notes:
 Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Design your full cable assembly with Samtec's High-Speed Cable Solutionator[®] at www.samtec.com/cablebuilder

Some lengths, styles and options are non-standard, non-returnable.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View HLCD-50-06.00-TD-TH-1 on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management