

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)

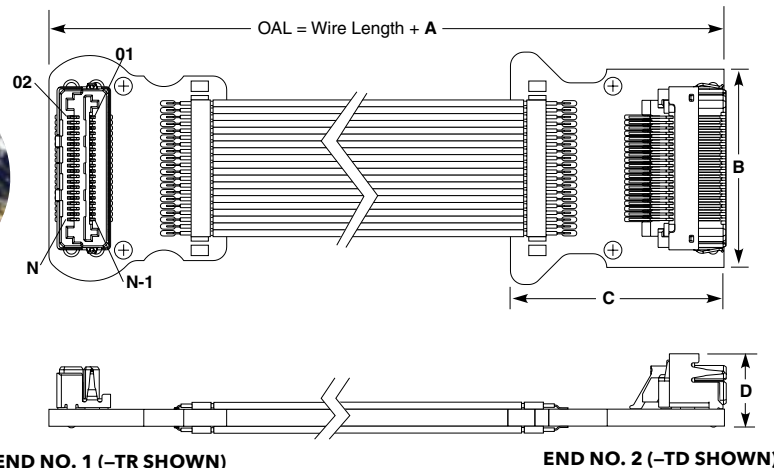
HLCD	POSITIONS PER ROW	WIRE LENGTH	END NO. 1	END 1 OPTION	END NO. 2	END 2 OPTION	WIRING OPTION	CABLE OPTION
	-05, -10, -20, -30, -40, -50 (Standard sizes)	—"XX.XX" = Wire Length in Inches (43.7 mm) 01.72" minimum	-TR = Vertical, Top Right	Leave blank for no screw down. Screw down not available for -TD, -TH, -BD & -BH options.	-TR = Vertical, Top Right	Leave blank for no screw down. Screw down not available for -TD, -TH, -BD & -BH options.	-1 = Pin 1 to Pin 1	Leave blank for 38 AWG coax
			-TL = Vertical, Top Left		-TL = Vertical, Top Left		-2 = Pin 1 to Pin 2	-T = 36 AWG, high-temp coax
			-BR = Vertical, Bottom Right		-BR = Vertical, Bottom Right		-3 = Pin 1 to Pin N-1	
			-BL = Vertical, Bottom Left	S = Screw down in PCB	-BL = Vertical, Bottom Left	S = Screw down in PCB	-4 = Pin 1 to Pin N	
			-TD = Right- angle, Top		-TD = Right- angle, Top			
			-TH = Reversed Right- angle, Top		-TH = Reversed Right- angle, Top			
			-BD = Right- angle, Bottom		-BD = Right- angle, Bottom			
			-BH = Reversed Right- angle, Bottom		-BH = Reversed Right- angle, Bottom			

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**



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.

Mouser Electronics

Authorized Distributor

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[HLCD-10-40.00-TR-TR-2](#) [HLCD-30-06.00-BD-TD-1](#) [HLCD-20-06.00-BD-TR-1](#) [HLCD-30-06.00-BL-TD-1](#) [HLCD-10-06.00-BD-BH-1](#) [HLCD-50-06.00-TR-TD-1](#) [HLCD-20-06.00-BR-TR-3](#) [HLCD-40-06.00-TH-BL-1](#) [HLCD-05-06.00-TD-TR-3](#) [HLCD-50-05.00-TH-BH-1](#) [HLCD-40-06.00-BL-BL-1](#)