

HIGH-SPEED HERMAPHRODITIC CABLE

(0.50 mm) .0197" PITCH • HLCD SERIES



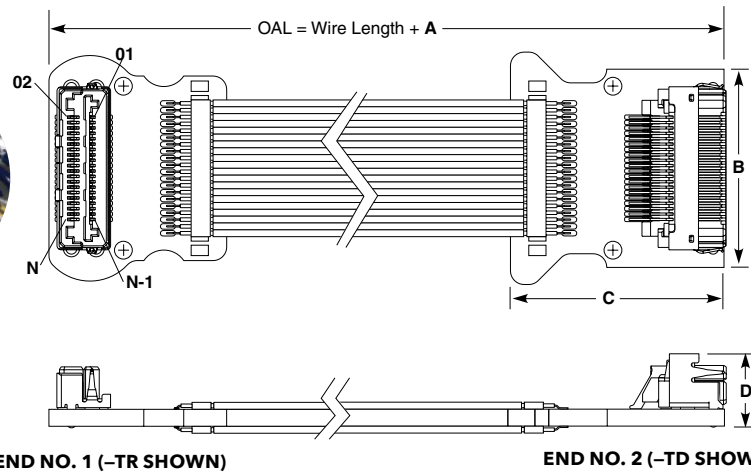
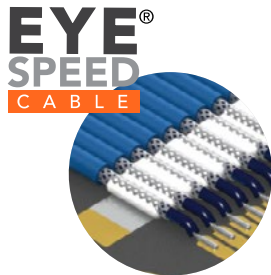
HLCD
Mates:
 LSHM

SPECIFICATIONS

Cable:
 38 AWG 50 Ω coax cable
Signal Routing:
 50 Ω Single-Ended
Plating:
 Au over 50 μ" (1.27 μm) Ni
Operating Temp Range:
 -25 °C to +105 °C
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
	-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
			-TL = Vertical, Top Left		-TL = Vertical, Top Left		-2 = Pin 1 to Pin 2
			-BR = Vertical, Bottom Right	S = Screw down in PCB	-BR = Vertical, Bottom Right	S = Screw down in PCB	-3 = Pin 1 to Pin N-1
			-BL = Vertical, Bottom Left		-BL = Vertical, Bottom Left		-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	
Right-angle to Reversed Right-angle	(28.85) 1.136
Reversed Right-angle to Reversed Right-angle	



POSITIONS PER ROW	B	
	XR, XL	XH, XD
-20	(22.23) .875	(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		

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 Builder at www.samtec.com/cablebuilder
 Some lengths, styles and options are non-standard, non-returnable.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[HLCD-40-12.00-TH-BH-2](#) [HLCD-30-13.00-BR-TL-2](#) [HLCD-20-12.00-TD-TH-2](#) [HLCD-50-06.00-TR-TR-1](#) [HLCD-10-12.00-TR-TR-1](#) [HLCD-20-06.00-TR-TR-1](#) [HLCD-20-06.00-TR-TR-2](#) [HLCD-20-12.00-TR-TR-1](#) [HLCD-50-06.00-TR-TR-2](#) [HLCD-10-06.00-TD-TH-1](#) [HLCD-50-40.00-TD-TH-1](#) [HLCD-50-40.00-TD-TH-2](#) [HLCD-50-40.00-TR-TR-1](#) [HLCD-50-06.00-TD-TH-1](#) [HLCD-50-06.00-TD-TH-2](#) [HLCD-50-12.00-TD-TH-1](#) [HLCD-50-12.00-TD-TH-2](#) [HLCD-50-12.00-TR-TR-1](#) [HLCD-50-12.00-TR-TR-2](#) [HLCD-40-12.00-TR-TR-1](#) [HLCD-40-12.00-TR-TR-2](#) [HLCD-40-40.00-TD-TH-1](#) [HLCD-40-40.00-TR-TR-1](#) [HLCD-40-40.00-TR-TR-2](#) [HLCD-40-06.00-TD-TH-1](#) [HLCD-40-06.00-TD-TH-2](#) [HLCD-40-06.00-TR-TR-1](#) [HLCD-40-06.00-TR-TR-2](#) [HLCD-40-12.00-TD-TH-1](#) [HLCD-30-12.00-TR-TR-1](#) [HLCD-30-12.00-TR-TR-2](#) [HLCD-30-40.00-TD-TH-1](#) [HLCD-30-40.00-TR-TR-1](#) [HLCD-30-06.00-TD-TH-1](#) [HLCD-30-06.00-TD-TH-2](#) [HLCD-30-06.00-TR-TR-1](#) [HLCD-30-06.00-TR-TR-2](#) [HLCD-30-12.00-TD-TH-1](#) [HLCD-30-12.00-TD-TH-2](#) [HLCD-20-12.00-TD-TH-1](#) [HLCD-20-12.00-TR-TR-2](#) [HLCD-20-40.00-TD-TH-1](#) [HLCD-20-40.00-TR-TR-1](#) [HLCD-10-40.00-TD-TH-1](#) [HLCD-10-40.00-TR-TR-1](#) [HLCD-20-06.00-TD-TH-1](#) [HLCD-20-06.00-TD-TH-2](#) [HLCD-10-06.00-TR-TR-1](#) [HLCD-10-06.00-TR-TR-2](#) [HLCD-10-12.00-TD-TH-1](#) [HLCD-10-12.00-TD-TH-2](#) [HLCD-10-12.00-TR-TR-2](#) [HLCD-20-08.00-TD-TR-4](#) [HLCD-10-18.00-TD-TH-1](#) [HLCD-10-18.00-TR-TR-1](#) [HLCD-10-24.00-TR-TR-1](#) [HLCD-20-02.00-TD-TH-1](#) [HLCD-20-02.00-TR-TR-1](#) [HLCD-20-18.00-TR-TR-1](#) [HLCD-20-24.00-TD-TH-1](#) [HLCD-20-24.00-TR-TR-1](#) [HLCD-30-02.00-TD-TH-1](#) [HLCD-30-02.00-TR-TR-1](#) [HLCD-30-18.00-TD-TH-1](#) [HLCD-30-18.00-TR-TR-1](#) [HLCD-30-24.00-TR-TR-1](#) [HLCD-40-02.00-TD-TH-1](#) [HLCD-40-18.00-TR-TR-1](#) [HLCD-40-24.00-TD-TH-1](#) [HLCD-40-24.00-TR-TR-1](#) [HLCD-50-02.00-TD-TH-1](#) [HLCD-50-02.00-TR-TR-1](#) [HLCD-50-18.00-TR-TR-1](#) [HLCD-50-24.00-TD-TH-1](#) [HLCD-50-24.00-TR-TR-1](#) [HLCD-10-02.00-TD-TH-1](#) [HLCD-10-02.00-TR-TR-1](#) [HLCD-10-24.00-TD-TH-1](#) [HLCD-20-18.00-TD-TH-1](#) [HLCD-30-24.00-TD-TH-1](#) [HLCD-40-02.00-TR-TR-1](#) [HLCD-40-18.00-TD-TH-1](#) [HLCD-50-18.00-TD-TH-1](#) [HLCD-20-06.00-TL-BL-4](#) [HLCD-20-03.50-TL-TL-1](#)