

# HIGH-SPEED HERMAPHRODITIC CABLE

(0.50 mm) .0197" PITCH • HLCD SERIES



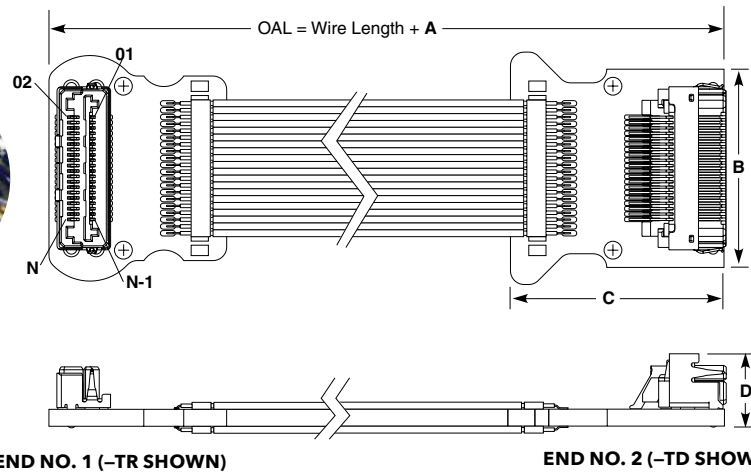
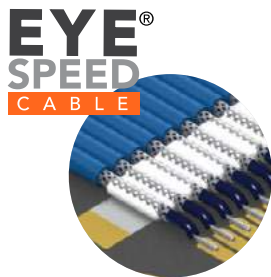
**HLCD**  
Mates:  
LSHM

## SPECIFICATIONS

**Cable:**  
38 AWG 50 Ω coax cable  
**Signal Routing:**  
50 Ω Single-Ended  
**Plating:**  
10 μ" (0.25 μm) Gold on contact, Matte Tin on tail  
**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	<b>S</b> = Screw down in PCB	-BR = Vertical, Bottom Right	<b>S</b> = 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](http://www.samtec.com/cablebuilder)

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