

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

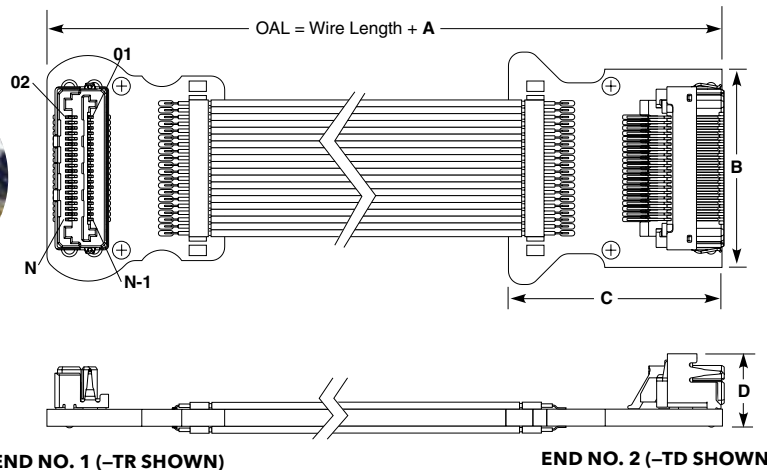
-T
= 36 AWG,
high-temp
coax

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	
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
-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.