TOBY
THE VITAL COMPONENT

# HIGH-SPEED HERMAPHRODITIC CABLE

## (0.50 mm) .0197" PITCH • HLCD SERIES

**HLCD**
**Mates:**
LSHM

| 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

**–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

**–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

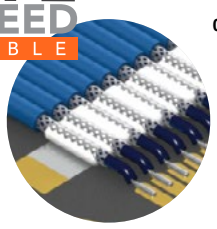
RAZOR™ BEAM SYSTEM

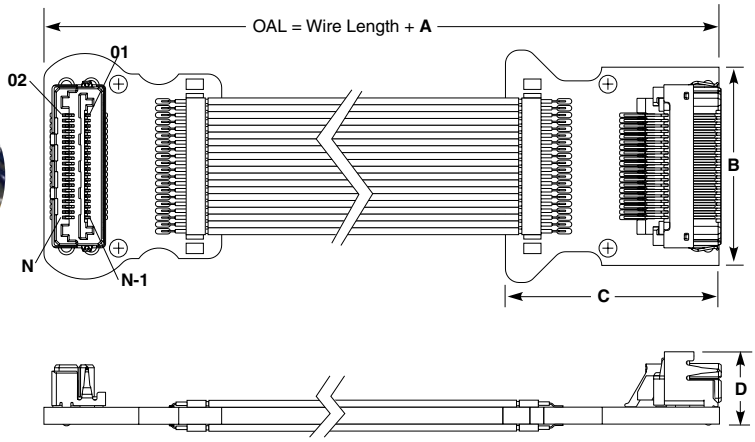
## SPECIFICATIONS

**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)

| 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 | |

EYE® SPEED CABLE






END NO. 1 (–TR SHOWN)

END NO. 2 (–TD SHOWN)

| 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.

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



Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.