

DCH-04-03.0-T-PF-1-1

DCH-08-03.0-T-PF-1-4

DCH SERIES

HIGH-SPEED PRESS-FIT TO BOARD

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?DCH

Cable:
30 AWG solid core twinax cable
Signal Routing:
100 Ω
Insulator Material:
Liquid Crystal Polymer
Terminal Material:
Copper Alloy
Operating Temp Range:
-25 °C to +105 °C
RoHS Compliant:
Yes

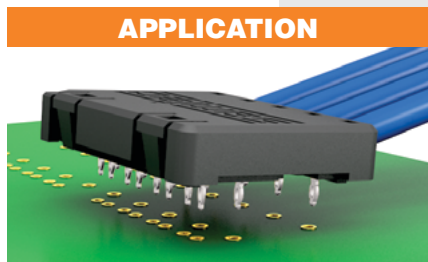
TOOLING

- Flat block is recommended as a mating tool.
- Extraction Tool: CAT-EX-DCC-01

ALSO AVAILABLE (MOQ Required)

- Other cable lengths
- Other wiring options

APPLICATION



HIGH-SPEED CHANNEL PERFORMANCE

DCH

Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com or contact SIG@samtec.com

PAM 4

56
Gbps

Supports and surpasses PCIe® Gen 3 speed at 2 meters

EYE[®]
SPEED
CABLE

30 AWG solid core twinax cable

Ultra-low 3 mm profile

High retention press-fit termination to PCB

DCH — NO. OF PAIRS — CABLE LENGTH — PLATING OPTION — CONTACT STYLE — END 2 OPTION — WIRING OPTION

—04, —08

—XX.X
= Cable Length in Inches (50.8 mm) 02.0" minimum

—T
= Matte Tin

—PF
= Press-fit

—1
= DCH

—1
= Pin 1 to Pin 1

—4
= Pin 1 to Pin N
(Contact Samtec for other options)

NO. OF PAIRS	A
—04	(15.25) .600
—08	(30.25) 1.191

Notes:

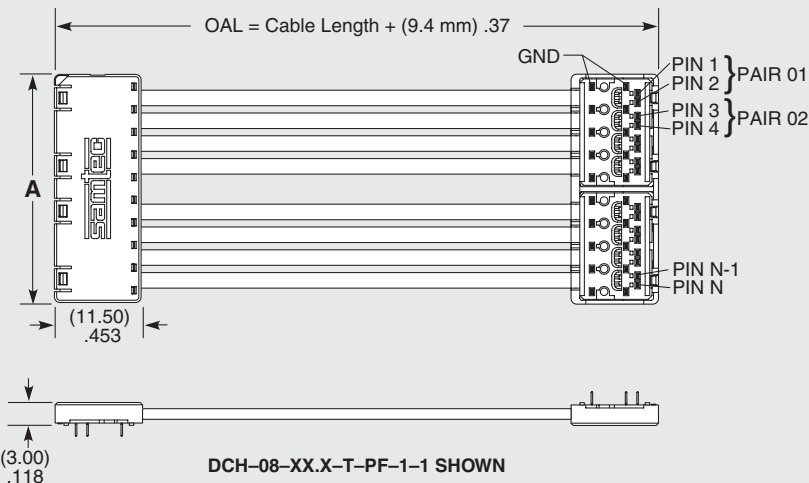
Patent Pending

Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Design your High-Speed Cable with Samtec's High-Speed Cable Solutionator® at www.samtec.com/hdr

PCI-SIG®, PCI Express® and the PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

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



Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.