

**DCH SERIES**

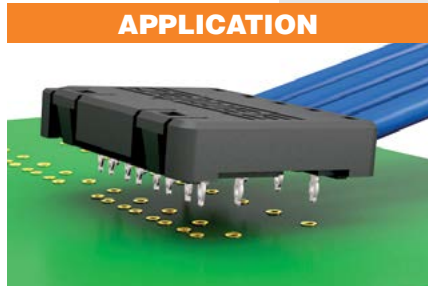
# HIGH-SPEED PRESS-FIT TO BOARD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?DCH](http://www.samtec.com?DCH)

- Cable:** 30 AWG twinax ribbon cable
- Signal Routing:** 100 Ω
- Insulator Material:** Liquid Crystal Polymer
- Terminal Material:** Copper Alloy
- Operating Temp Range:** Testing Now!
- RoHS Compliant:** Yes

## APPLICATION



Supports and surpasses PCIe® Gen 3 speed at 2 meters



30 AWG twinax ribbon cable

Performance up to 15 GHz

Ultra-low 3 mm profile

High retention press-fit termination to PCB

## HIGH-SPEED CHANNEL PERFORMANCE

DCH

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**37**  
G b p s

## TOOLING

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

## ALSO AVAILABLE (MOQ Required)

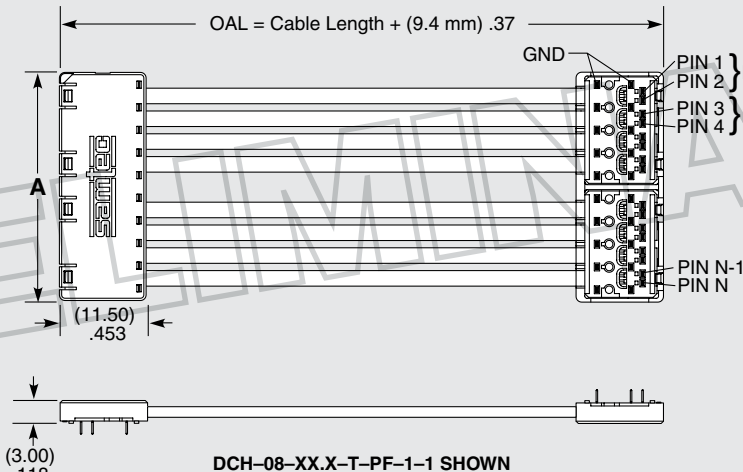
- Other cable lengths
- Other wiring options
- Contact Samtec.

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](http://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.



DCH-08-XX.X-T-PF-1-1 SHOWN