



(0.80 mm) .0315"

ECDP SERIES

TWINAX EDGE CARD CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications see www.samtec.com?ECDP

Cable:

30 AWG twinax cable

Plating:

Edge Card = ENIG, 3-10 microinches

Operating Temp Range:

-25 °C to +105 °C

Current Rating:

2.3 A per pin (2 adjacent pins powered)

Impedance:

100 Ω Differential

Bend Radius:

(3.18 mm) .125"

Pinout Map:

See web address above

RoHS Compliant:

Yes

Mates with:

HSEC8 (-L2 option),

HSEC8 (-BL option)

**EYE[®]
SPEED
CABLE**

30 AWG 100 Ω twinax ribbon cable

Low Profile vs. Mini-SAS

HIGH-SPEED CHANNEL PERFORMANCE

ECDP

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

14
Gbps

Mates with vertical or right-angle connectors on board

Metal squeeze latch

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



TYPE	NO. OF PAIRS	WIRE LENGTH	END 1	END 2	WIRING OPTION	CABLE TYPE
ECDP = Edge Card Cable	-04, -08, -16, -32	- "XX.XX" = Wire Length in Inches (95.3 mm) 03.75" minimum	-L1 = Double Vertical with latches -B1 = Board lock, No housing	-L1 = Double Vertical with latches (Wiring option -3 & -4 only) -L2 = Double Vertical with latches (Wiring option -1 & -2 only) -B1 = Board lock, No housing (Wiring option -3 & -4 only) -B2 = Board lock, No housing (Wiring option -1 & -2 only)	-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	-3 = 100 Ω Eye Speed [®]

NO. OF PAIRS	A
-04	(20.85) .821
-08	(24.05) .947
-16	(33.66) 1.325
-32	(52.86) 2.081

CABLE	CONNECTOR
ECDP-04	HSEC8-109-XX
ECDP-08	HSEC8-113-XX
ECDP-16	HSEC8-125-XX
ECDP-32	HSEC8-149-XX

OAL = Wire Length + (16.89) .665

(21.00) .827

(1.53) .060

(6.27) .247

-L1 (END 1)

-B2 (END 2)

-L1 (END 2)*

*Same pinout for -B1 end 2 and -L1 end 2.

Notes:

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

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.