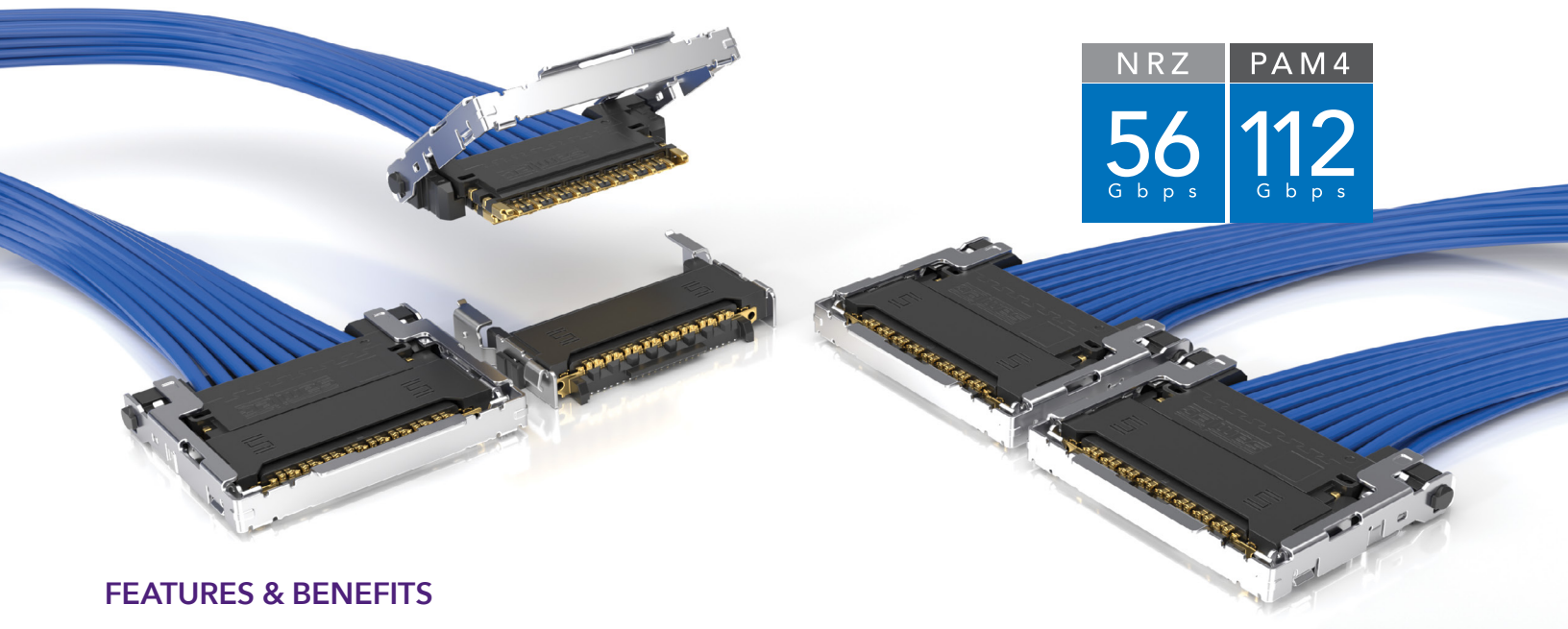




112 Gbps PAM4, LOW PROFILE HIGH-DENSITY CABLE SYSTEM

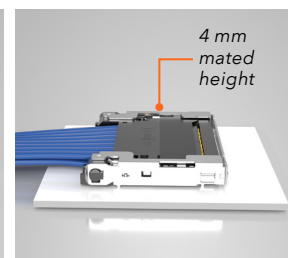
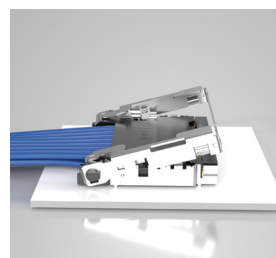
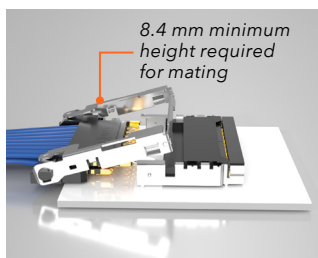


NRZ	PAM4
56 Gbps	112 Gbps

FEATURES & BENEFITS

- Ultra low profile interconnect for placement adjacent to the IC package, under heat sinks or other cooling hardware
- Up to 16 pairs in an incredibly low 4 mm profile
- 112 Gbps PAM4 per lane enabling 25.6 TB aggregate with a path to 51.2 TB
- Si-Fly® HD is the highest density on-package system with 224 Gbps PAM4 performance, routing signals from the silicon package through Eye Speed® AIR™ ultra performance twinax cable (HPC/HPI). Contact HDR@samtec.com for additional information.
- PCIe® 6.0/CXL® 3.1 capable

Si-Fly® HD features 64 pairs in an incredibly small 14 mm x 14 mm footprint



In development: Rugged latching configuration provides a secure connection directly adjacent to the IC package for increased signal integrity performance

KEY SPECIFICATIONS (CPC/CPI)

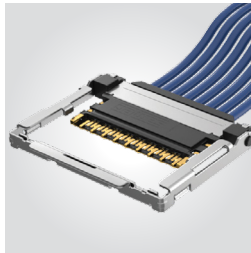
CABLE	SIGNAL ROUTING	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING
34 AWG ultra low skew twinax	92 Ω & 100 Ω	Black LCP	Copper Alloy	Au over 50 μ " (1.27 μ m) Ni

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

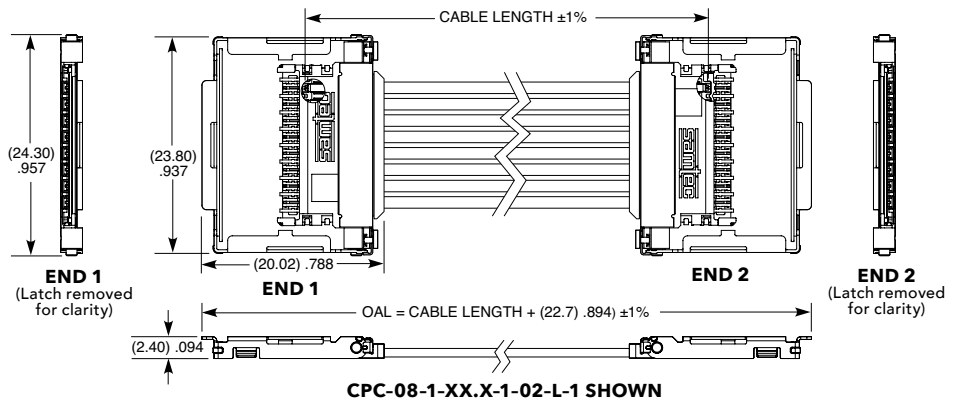
0.6 mm LOW PROFILE CABLE & INTERCONNECT

CPC	NO. OF PAIRS	CABLE STYLE	CABLE LENGTH	ROW	END 2	L	WIRING OPTION
	-08, -16	-1 = 92 Ω 34 AWG ultra low skew twinax cable -2 = 100 Ω 34 AWG ultra low skew twinax cable	- "XX.X" = Wire Length in Inches 06.0" (152.4 mm) minimum	-1 = 1 Row (-08 pairs only) -2 = 2 Row (-16 Pairs only)	-02 = CPC		Specify WIRING OPTION from chart

CPC
Board Mates:
CPI



PRELIMINARY

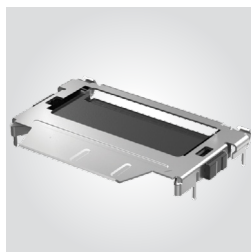


Note:
Cable lengths longer than
40.00" (1 meter) are not
supported with S.I. test data.

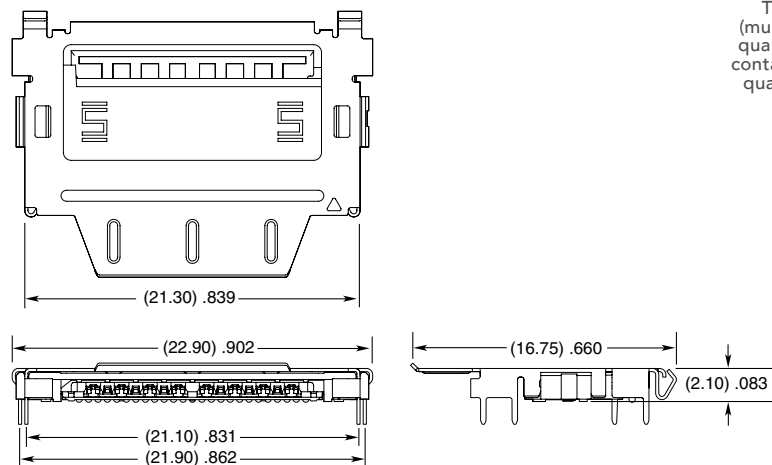
View complete specifications at: samtec.com?CPC

CPI	NO. OF PAIRS	LEAD STYLE	ROW	PLATING OPTION	RA	SOLDER TYPE	L	"X"R
	-08, -16	-01 = Surface Mount	-1 = 1 Row, 8 Pairs -2 = 2 Row, 16 Pairs	-S = 30 μ " (0.76 μ m) Gold on contact area, Tin on tail		-2 = Lead-Free Solder Ball		-TR = Tape & Reel -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

CPI
Cable Mates:
CPC



PRELIMINARY



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

View complete specifications at: samtec.com?CPI