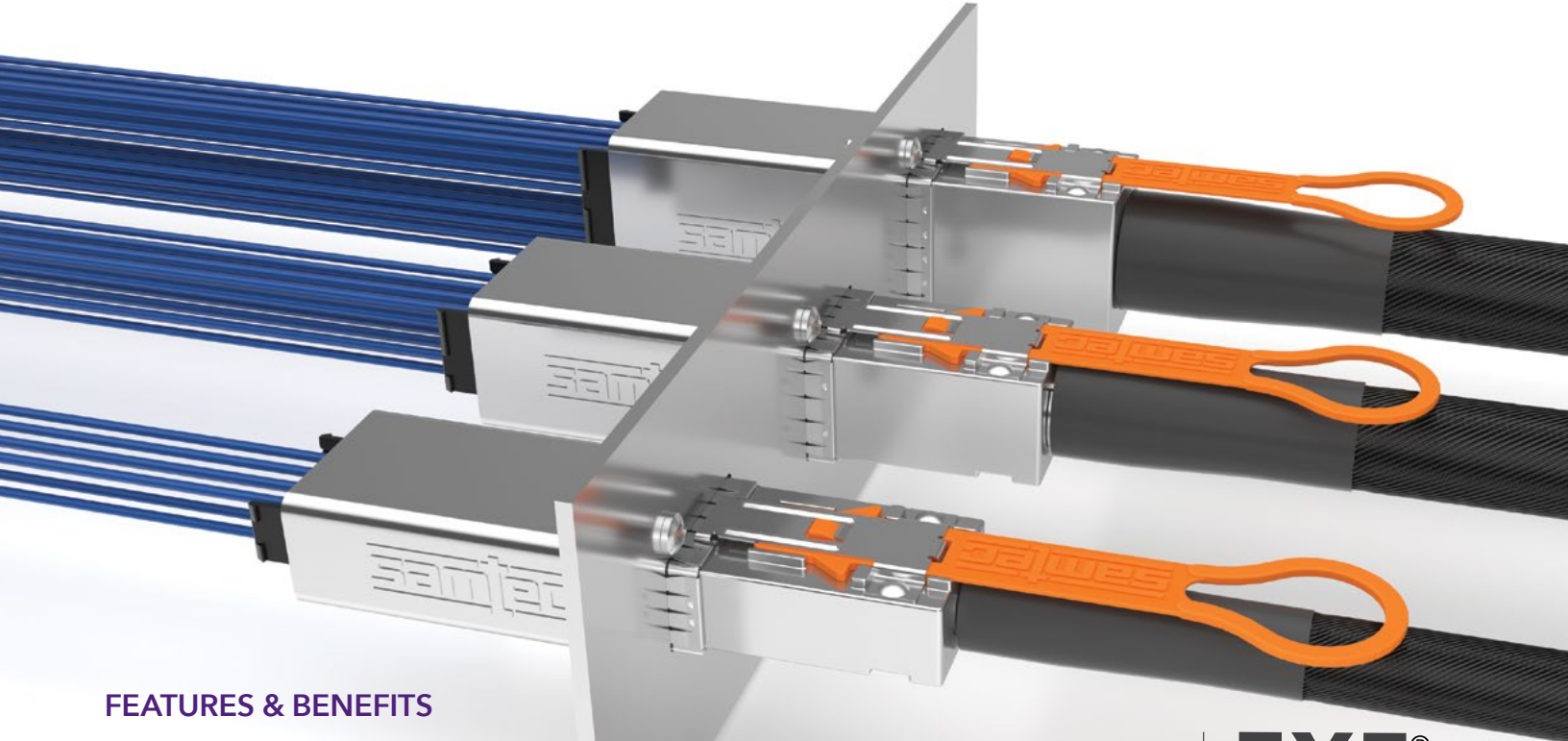


NOVARAY[®] I/O

EXTREME PERFORMANCE PANEL MOUNT I/O ASSEMBLIES



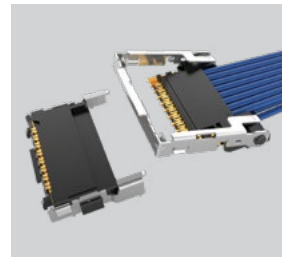
FEATURES & BENEFITS

- 16 & 32 differential pair configurations
– Accommodates x4 or x8 plus sidebands
- Cable-to-Cable bulkhead panel connection using Flyover[®] Cable Technology
- External Cable: 28 or 34 AWG twinax
- Internal Cable: 34 AWG twinax
- Single-Ended coax options also available
- Full external EMI shielding
- Multiple end 2 high-speed connector options on internal cable
- Available in a rugged 38999 shell for salt fog resistance to 48 hours and IP67 rated for dust and water applications

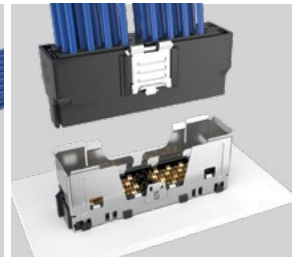
NOVARAY[®] I/O

EYE[®]
SPEED
CABLE

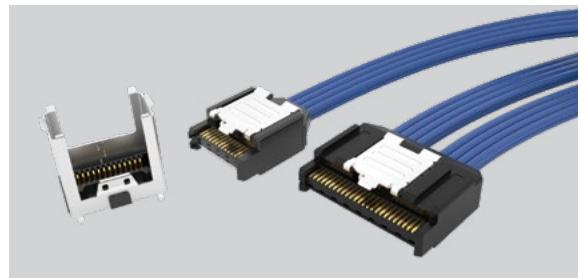
VARIOUS END 2 OPTIONS AVAILABLE



Si-Fly[™]



NovaRay[®]



AcceleRate[®]

PAM 4
112
Gbps

TARGETED CONFIGURATIONS	AGGREGATE DATA RATE
8 Pair (In Development)	896 Gbps
16 Pair	1792 Gbps
32 Pair	3584 Gbps
x4 (8 Pair + PCIe [®] Sidebands)	512 Gbps
x8 (16 Pair + PCIe [®] Sidebands)	1024 Gbps

PCI EXPRESS[®]
GEN 6 COMPATIBLE

RUGGED 38999 I/O CABLE

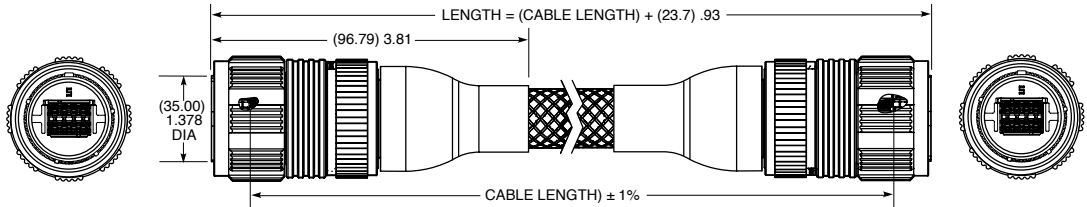
NVA3E	SIGNAL TYPE	CABLE TYPE	SHELL SIZE	CABLE LENGTH	END 2	PIN OUT	SPEED	FINISH	IP SEALING
	-DP = Differential (twinax pairs only)	-1 = 34 AWG, 100 Ω ultra low skew twinax	-19 = 4 rows	(Standard lengths in meters) -00.5 = (0.5 m) 19.69" Cable -01.0 = (1.0 m) 39.37" Cable -02.0 = (2.0 m) 78.74" Cable -03.0 = (3.0 m) 118.11" Cable	-A = NVA3E	-1 = Pin A01 to Pin A01 -4 = Pin A01 to Pin N	-1 = 56G PAM4 -2 = 112G PAM4	-Z = Black Zinc Nickel	(Leave blank for no sealed) -S = Sealed

NVA3E
Cable Mate:
NVA3P



Notes:
Cable lengths longer than 3 meter (118.00") are not supported with S.I. test data.

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



NVA3E-DP-X-19-XX.X-A-X-1-Z-S SHOWN

View complete specifications at: samtec.com?NVA3E

RUGGED 38999 PANEL MOUNT CABLE

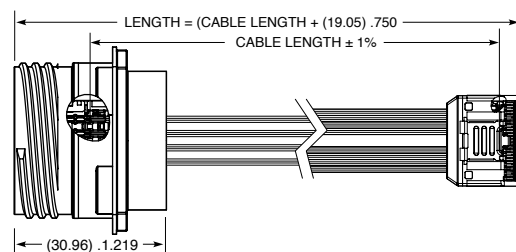
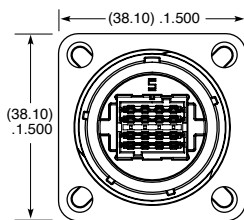
NVA3P	SIGNAL TYPE	CABLE TYPE	SHELL SIZE	CABLE LENGTH	END 2	PIN OUT	SPEED	FINISH	IP SEALING
	-DP = Differential (twinax pairs only)	-1 = 34 AWG, 100 Ω ultra low skew twinax	-19 = 4 rows	(Standard lengths in inches) -06.0 = (152.4 mm) 6.0" Cable -10.0 = (254.0 mm) 10.0" Cable -12.0 = (304.8 mm) 12.0" Cable -20.0 = (508.0 mm) 20.0" Cable	-A = ARC6 -B = NVAC	-1 = Pin A01 to Pin A01 -4 = Pin A01 to Pin AN (N equals last position)	-1 = 56G PAM4 -2 = 112G PAM4	-Z = Black Zinc Nickel	(Leave blank for no sealed) -S = Sealed

NVA3P
Cable Mate:
NVA3E



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

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



NVA3P-DP-1-19-XX.X-A-X-1-Z-S SHOWN

View complete specifications at: samtec.com?NVA3P