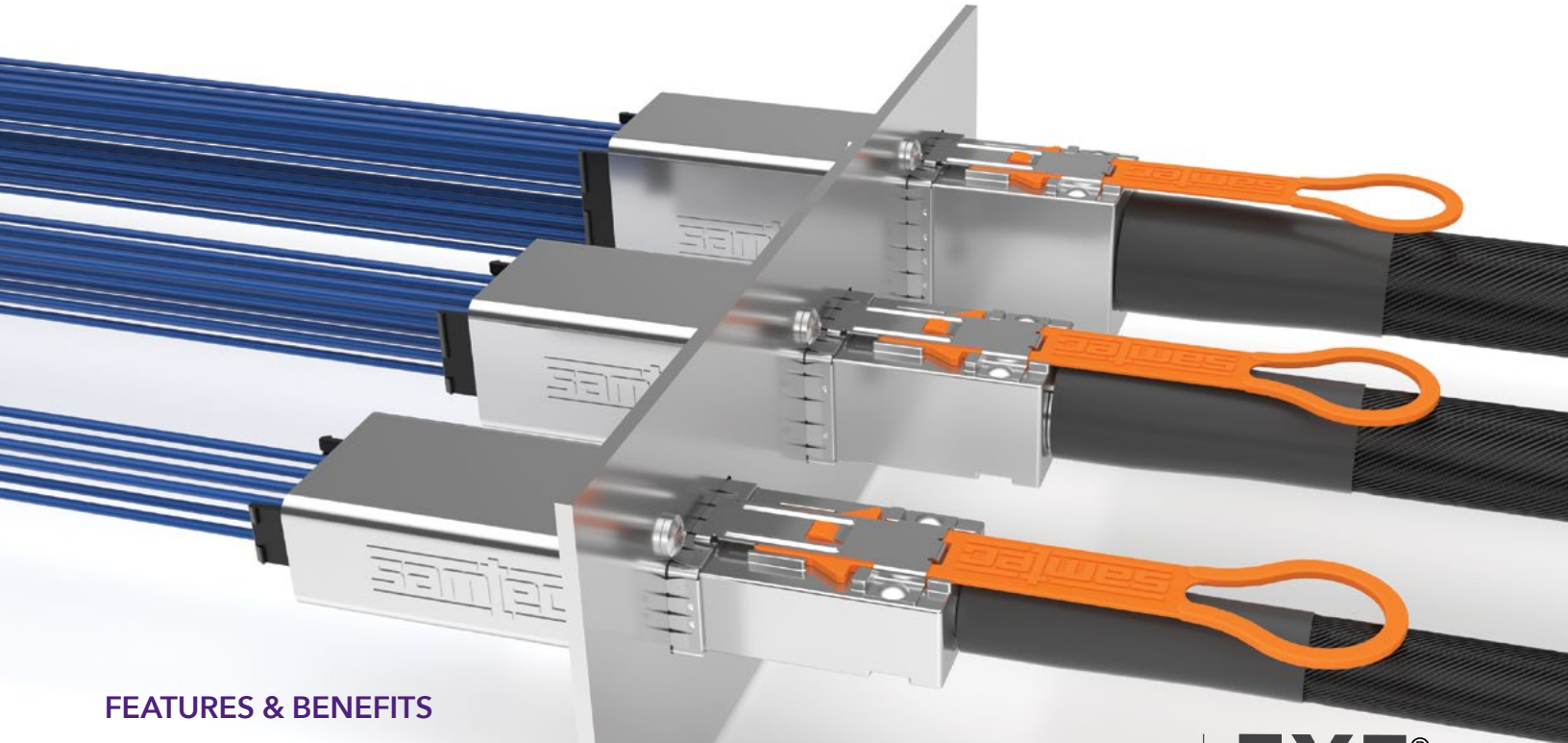


NOVARAY[®] I/O

EXTREME PERFORMANCE PANEL MOUNT I/O ASSEMBLIES



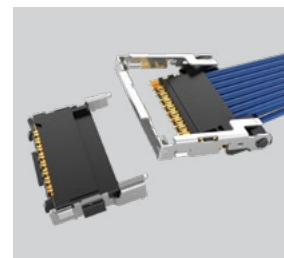
FEATURES & BENEFITS

- 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

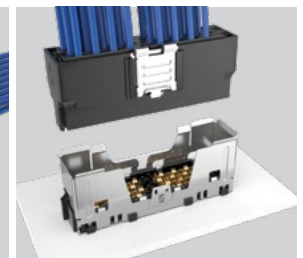
NOVARAY[®] I/O

EYE[®]
SPEED
CABLE

VARIOUS END 2 OPTIONS AVAILABLE



Si-Fly[™]



NovaRay[®]



AcceleRate[®]

PAM 4
112
Gbps

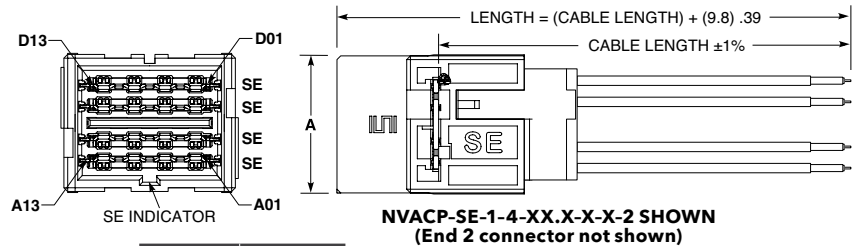
TARGETED CONFIGURATIONS	AGGREGATE DATA RATE
8 Pair (In Development)	896 Gbps
16 Pair	1792 Gbps
32 Pair	3584 Gbps
x4 (8 Pair + PCIe [®] Sidebands)	512 Gbps
x8 (16 Pair + PCIe [®] Sidebands)	1024 Gbps

PCI EXPRESS[®]
GEN 6 COMPATIBLE

EXTREME PERFORMANCE PANEL MOUNT CABLE

NVACP	SIGNAL TYPE	CABLE STYLE	ROWS	CABLE LENGTH	END 2	PIN OUT	SPEED
	-DP = Differential (twinax pairs only)	-1 = 34 AWG 100 Ω ultra low skew twinax	-4 = 4 rows	-XX.X = Length in inches 06.0" (152.4 mm) minimum	-A = 1 ARC6	-1 = Pin A01 to Pin A01	(Differential twinax pairs only)
	-SE = Single ended (coax signals only)		-8 = 8 rows		-B = 1 NVAC	-4 = Pin A01 to Pin AN (N equals last position)	-1 = 56G PAM4 -2 = 112G PAM4

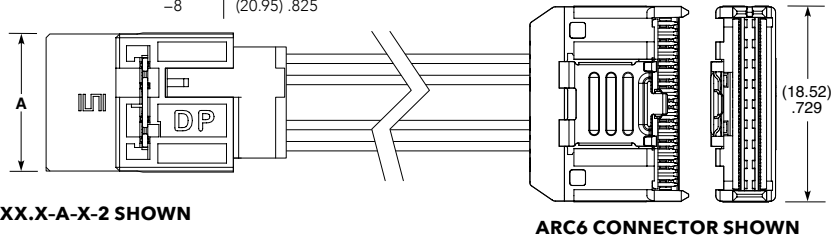
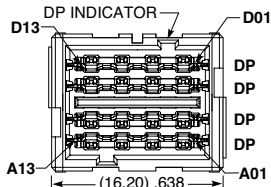
NVACP
Cable Mates:
NVACE
Panel Cage:
NVC



ROW	A
-4	(12.95) .510
-8	(20.95) .825

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

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



DIE CAST PANEL CAGE

View complete specifications at: samtec.com?NVACP

NVC	NO. OF PORTS	ROWS	PACKAGING
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NVC
Use with:
NVACP, NVACE



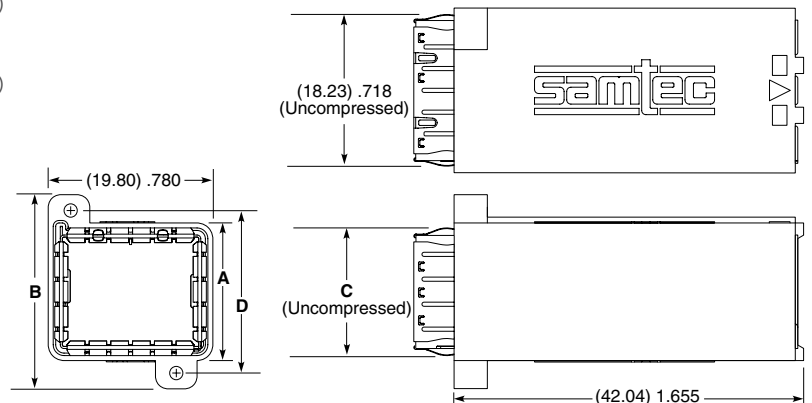
- 1
= 1 Port
- 2
= 2 Ports (8 row only)
- 4
= 4 Ports (8 row only)

- 04
= 4 rows
- 08
= 8 rows

- TY
= Trays

ROW	A	B	C	D
-04	(16.55) .652	(23.35) .919	(15.36) .605	(19.56) .770
-08	(24.55) .967	(31.35) 1.234	(23.36) .920	(27.56) 1.085

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



View complete specifications at: samtec.com?NVC