

NVAM SERIES

(0.80 mm) .0315" X (1.80 mm) .071"

EXTREME DENSITY & PERFORMANCE

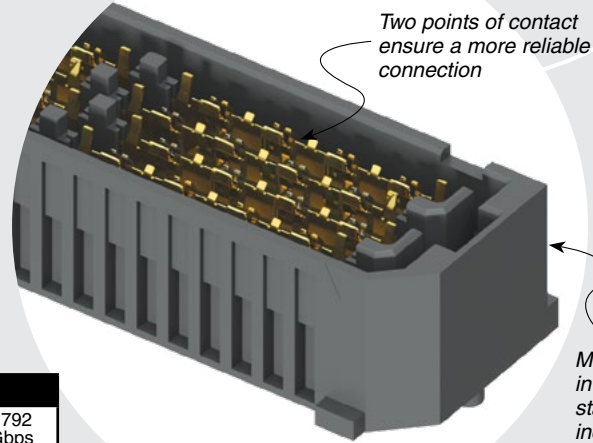
SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?NVAM

- Insulator Material:** Black LCP
- Contact Material:** Copper Alloy
- Shield:** Copper Alloy
- Plating:** Au or Sn over 50 μ" (1.27 μm) Ni
- Current Rating:** Testing Now!
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

Mates with:
NVAF

NRZ	PAM4
56 Gbps	112 Gbps



Minimal variance in data rate as stack height increases

AGGREGATE DATA RATE (NRZ)				
448 Gbps	672 Gbps	896 Gbps	1344 Gbps	1792 Gbps
1 Bank		2 Bank		
2 Row	3 Row	4 Row	2 Row	3 Row
8 Pairs	12 Pairs	16 Pairs	24 Pairs	32 Pairs

Up to 4.0 Tbps aggregate data rate (9 IEEE, 400 G channels)

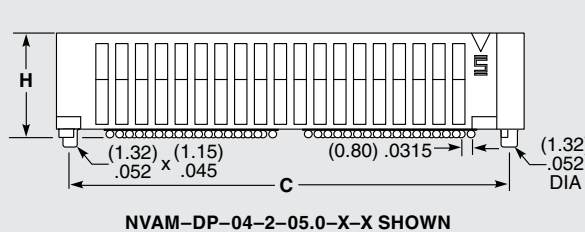
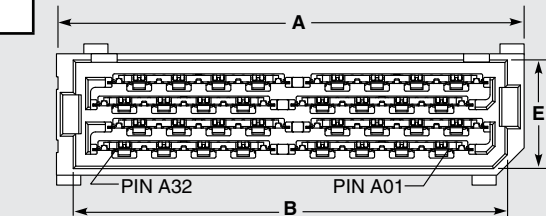
NVAM	STYLE	NO. OF ROWS	NO. OF BANKS	LEAD STYLE	PLATING OPTION	SOLDER TYPE	K	TAPE & REEL
	-DP = 4 pairs per wafer	-02 = 2 Rows -03 = 3 Rows -04 = 4 Rows	-1 = 1 Bank -2 = 2 Banks	-02.0 = (2 mm) .0787" -05.0 = (5 mm) .1969"	-S = 30 μ" (0.76 μm) Gold on contact area, Matte Tin on solder tail	-2 = Lead-Free Solder Charge		(Required callout) -TR = Tape & Reel -FR = Full Reel Tape & Reel Packaging (Must order max. quantities per reel. Contact Samtec for parts per reel)

MATED HEIGHT*		
NVAF LEAD STYLE	NVAM LEAD STYLE	
	-02.0	-05.0
-05.0	(7.00) .276	(10.00) .394

*Processing conditions will affect mated height.

NO. OF BANKS	A	B	C
-1	(21.75) .856	(18.65) .734	(19.45) .766
-2	(37.75) 1.486	(34.65) 1.364	(35.45) 1.396

NO. OF ROWS	D	E	F
-02	(6.20) .244	(4.80) .189	(7.80) .307
-03	(8.00) .315	(6.60) .260	(9.60) .378
-04	(9.80) .386	(8.40) .331	(11.40) .449



LEAD STYLE	G	H
-02.0	(5.43) .214	(5.46) .215
-05.0	(8.43) .332	(8.46) .333

KYORITSU 協立電業株式会社

〒190-0023 東京都立川市柴崎町3-9-5
TEL: 042-548-8881 (代)
FAX: 042-548-9101 (代)

Note:
Some sizes, 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.