ACCELE**RATE**®**HD**

HIGH-DENSITY SLIM BODY ARRAYS

(0.635 mm) .025" PITCH

PAM4
64 Gbps

SureWare™ ultra rugged guide post standoffs available (GPSO)
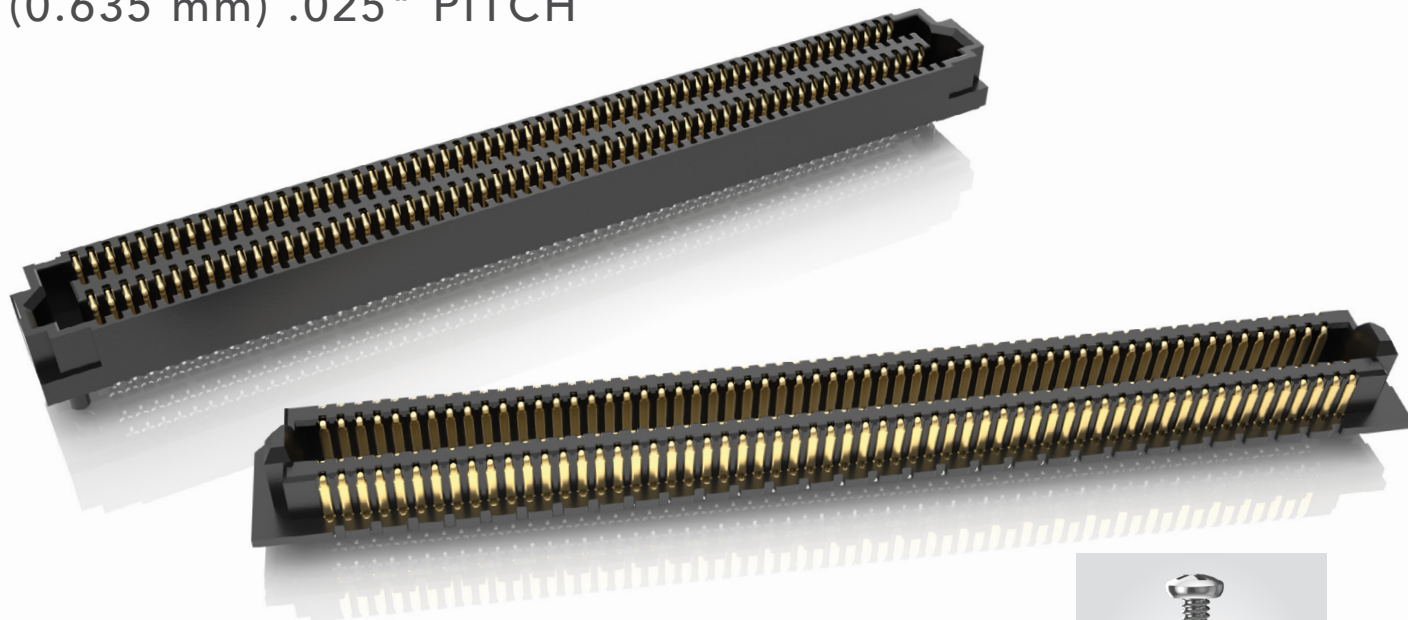
FEATURES & BENEFITS

- Up to 400 positions in a 4-row design

- 5 mm, 7 mm, 9 mm, 10 mm, 11 mm, 12 mm 14 mm & 16 mm stack heights

- Slim 5 mm width body design

- Edge Rate® contact system optimized for signal integrity performance

- Open-pin-field for grounding and routing flexibility

- Supports 64 Gbps PAM4 (32 Gbps NRZ) applications

- PCIe® 6.0/CXL® 3.1 capable

HIGHER DENSITY THAN PREVIOUS GENERATION STRIPS

(68.22) 2.69

(5.00) .197

(5.00) .197

(68.22) 2.69
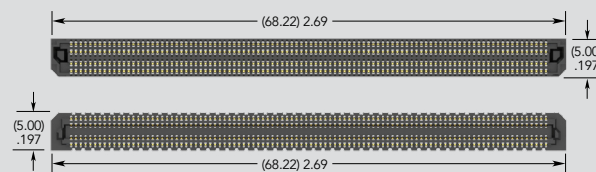
ADM6/ADF6 Series (400 total positions)

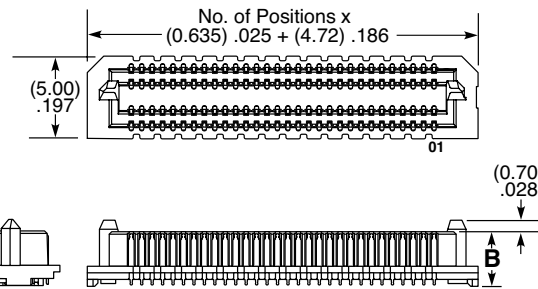## KEY SPECIFICATIONS (ADM6/ADF6)

PITCH	TOTAL POSITIONS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	WORKING VOLTAGE	LEAD-FREE SOLDERABLE
(0.635 mm) .025"	40 - 400	Black LCP	Copper Alloy	Au or Sn over 50 µ" (1.27 µm) Ni	-55 °C to +125 °C	1.34 A per pin (4 pins powered)	155 VAC/219 VDC	Yes

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

(0.635 mm) .025" PITCH • SLIM BODY OPEN-PIN-FIELD ARRAYS

SERIES	-	NO. OF POSITIONS	-	LEAD STYLE	-	PLATING OPTION	-	NO. OF ROWS	-	0	-	OPTION	-	"X"R

ADM6
Terminal

ADF6
Socket

NO. OF POSITIONS
–10, –20, –30, –40, –50, –60, (per row)

–70, –80, –90, –100
(ADF6–03.5 & ADM6–01.5, –03.5 & –06.5 lead styles only)

–08.5 PRELIMINARY

LEAD STYLE
–01.5
= 1.5 mm (ADM6 only)

–03.5
= 3.5 mm

–06.5
= 6.5 mm (ADM6 only)

–07.5
= 7.5 mm (ADF6 only)

–08.5
= 8.5 mm (ADM6 only)

PLATING OPTION
–L
= 10 µ" (0.25 µm) Gold on contact area, Matte Tin on tail

–S
= 30 µ" (0.76 µm) Gold on contact area, Matte Tin on tail

–STL
= 30 µ" (0.76 µm) Gold on contact area, Tin/Lead on solder tail (ADM6 –01.5 lead style & ADF6 –03.5 lead style only)

NO. OF ROWS
–4
= Four Rows

OPTION
(Leave blank for no alignment pin)

–A
= Alignment Pin

"X"R
–TR
= Tape & Reel

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

ADM6

Board Mates:
ADF6

Standoffs:
JSO, GPSO

No. of Positions x (0.635) .025 + (4.72) .186

(5.00) .197

01

(0.70) .028

A

B

LEAD STYLE	A	B
–01.5	(2.90) .114	(3.32) .131
–03.5	(4.90) .193	(5.32) .209
–06.5	(7.90) .311	(8.32) .328
–08.5	(9.90) .390	(10.32) .406
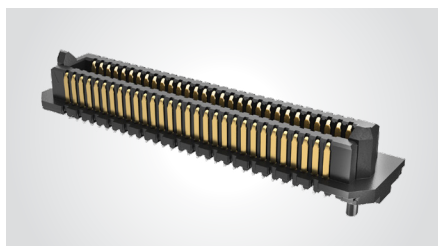
View complete specifications at: **samtec.com?ADM6**

MATED HEIGHTS *

ADF6 LEAD STYLE	ADM6 LEAD STYLE			
	–01.5	–03.5	–06.5	–08.5
–03.5	(5 mm) .197"	(7 mm) .276"	(10 mm) .394"	(12 mm) .472"
–07.5	(9 mm) .354"	(11 mm) .433"	(14 mm) .551"	(16 mm) .630"

* Processing conditions will affect mated height.

ADF6

Board Mates:
ADM6

Standoffs:
JSO, GPSO

No. of Positions x (0.635) .025 + (4.72) .186

(5.00) .197

01

A

B
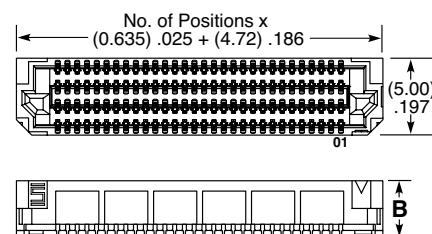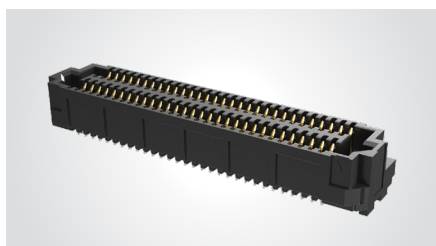
LEAD STYLE	A	B
–03.5	(3.23) .127	(3.65) .144
–07.5	(7.23) .285	(7.65) .301

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

View complete specifications at: **samtec.com?ADF6**

Mouser Electronics

Authorized Distributor

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[Samtec](#):

[ADF6-10-3.5-L-4-2-A](#) [ADF6-40-3.5-L-4-2-A](#) [ADF6-20-3.5-L-4-2-A](#) [ADF6-50-3.5-L-4-2-A](#) [ADF6-60-3.5-L-4-2-A](#) [ADF6-30-3.5-L-4-2-A](#)