NAirBorn

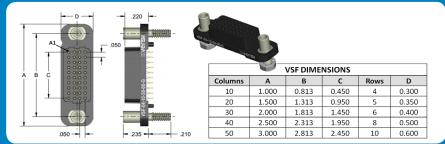
∷versi™

VSF – Vertical (Female)

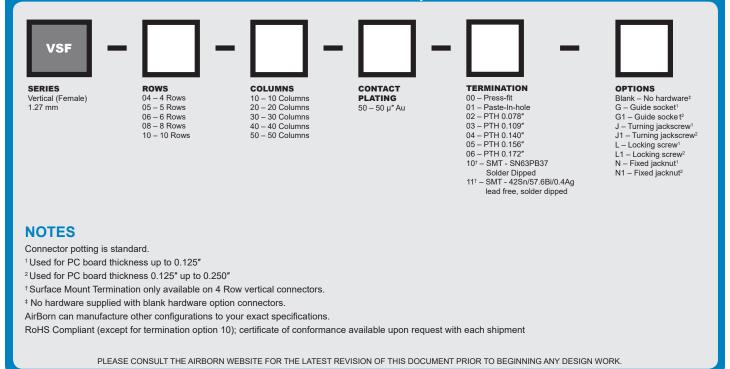
Pitch: 1.27 mm

VSF signal-integrity connectors are used in vertical, PCB-mount applications where a female interface is required. Termination styles include press-fit, paste-in-hole, plated thru-hole, and surface-mount.

DIMENSIONS

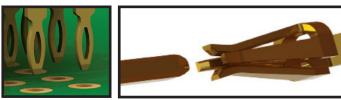


Sample Part Number Format: VSF-04-10-50-02



FEATURES

verSI board-mount connectors feature low mating force / high-reliability contact system with four points of contact. The open-pin field design allows for flexibility in termination schemes. Single-ended, differential pair, power, and ground are all available in one connector design. Guide hardware is optional.



SI DATA – Simulated (Connectors Only)				
1	Diff. Insertion Loss	-0.25 dB @ 5 GHz	-3dB @ 16 GHz	
2	Diff. Return Loss	-20 dB @ 5 GHz	-6 dB @ 14 GHz	
3	Diff. Impedance	100 ohm ±10% @ 50	100 ohm ±10% @ 50 ps rise time	
4	Diff. Skew	< 2 psec		

MATERIALS and FINISHES

	ASTM B689 Type I, 50 µIN min
Molded Insulators:	Glass-filled liquid crystal polymer (LCP) per ASTM D5138
Potting Compound:	Frey Eng. Co. insulating compound CF3003-80
Hardware (except washers):	Stainless steel per ASTM A484/A484M, ASTM A582/A582M, or
	ASTM A320 passivated per SAE AMS-2700, Method 1, Type 2
Washers:	Stainless steel per NASM35333 (ASTM A240), passivated per
	NASM35333 (SAE AMS 2700)

PERFORMANCE

Contact Rating:
Operating Temperature:
Min. Contact Wipe:
Contact Normal Force:
Max Recommended Voltage:
Insulation Resistance:
Durability:
Sinusoidal Vibration:
Shock:

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VSF-PNB-10

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