

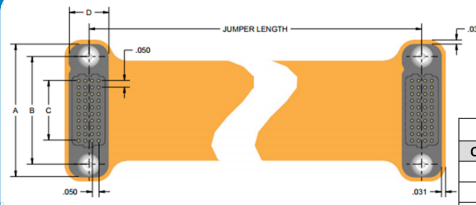


VSX – Flexible Circuit Jumper Assembly

Pitch: 1.27 mm

VSX flexible circuit jumpers come in standard lengths and wiring configurations, but custom specifications can be requested.

DIMENSIONS



FLEX JUMPER DIMENSIONS					
Columns	A	B	C	Rows	D
10	1.000	0.813	0.450	4	0.300
20	1.500	1.313	0.950	5	0.350
30	2.000	1.813	1.450	6	0.400
40	2.500	2.313	1.950	8	0.500
50	3.000	2.813	2.450	10	0.700

Sample Part Number Format: VSX-04-10-50-01G-03A-030



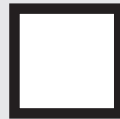
SERIES
 Flexible Circuit Jumper
 1.27 mm



ROWS
 04 – 4 Rows
 05 – 5 Rows
 06 – 6 Rows
 08 – 8 Rows
 10 – 10 Rows



COLUMNS
 10 – 10 Columns
 20 – 20 Columns
 30 – 30 Columns
 40 – 40 Columns
 50 – 50 Columns



CONTACT PLATING
 50 – 50 μ" Au



CONNECTOR 1
 01A – Male; no hardware
 03A – Female
 01G – Male; guide pin
 03G – Female; guide socket



CONNECTOR 2
 01A – Male; no hardware
 03A – Female
 01G – Male; guide pin
 03G – Female; guide socket



LENGTH*
 015 – 0.15 M
 030 – 0.30 M
 045 – 0.45 M

NOTES

* Other cable lengths and configurations available.

AirBorn can manufacture other configurations to your exact specifications.

PLEASE CONSULT THE AIRBORN WEBSITE FOR THE LATEST REVISION OF THIS DOCUMENT PRIOR TO BEGINNING ANY DESIGN WORK.

FEATURES

verSI 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.



MATERIALS and FINISHES

Socket Contact: BeCu per ASTM B194
 Pin Contacts: Phos bronze per ASTM B103 or per BeCu ASTM B768 (press-fit contact)
 Contact Finish: Localized gold finish per ASTM B488 over nickel per ASTM B689 Type I
 Molded Insulators: Glass-filled liquid crystal polymer (LCP) per ASTM D5138
 Hardware: Stainless steel per ASTM A582/A582M or ASTM A320; passivated per ASTM A967, SAE AMS-QQ-P-35

SI DATA – Simulated (Connectors Only)

1	Diff. Insertion Loss	22 GHz @ -2 db	
2	Diff. Return Loss	7.5 GHz @ -20 db	17.5 GHz @ -10 db
3	Diff. Impedance	100 ohm ±10%	
4	Diff. Skew	< 2 psec	

PERFORMANCE

Contact Rating: 2 amperes maximum
 Operating Temperature: -55° C to 125° C
 Min. Contact Wipe: 1.27 mm (0.050")
 Contact Normal Force: 35-40 grams
 Max Recommended Voltage: 200 V, RMS, 60 Hz
 Insulation Resistance: 5,000 megaohms minimum @ 500 VDC
 Durability: 2500 connector mating cycles
 Sinusoidal Vibration: 20 g (EIA-364-28, condition IV)
 Shock: 50 g (EIA-364-27, condition E)

Mouser Electronics

Authorized Distributor

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