

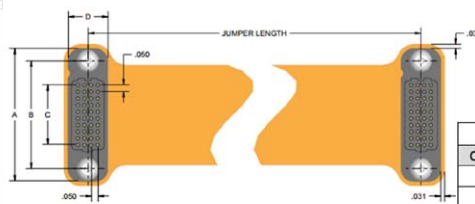


VSX – Flexible Circuit Jumper Assembly

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

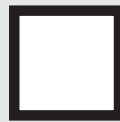
Sample Part Number Format: VSX-04-10-50-01G-03A-030



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.

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.



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 \pm 10%	
4	Diff. Skew	< 2 psec	

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

NOTE: AirBorn can manufacture other configurations to your exact specifications.

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)