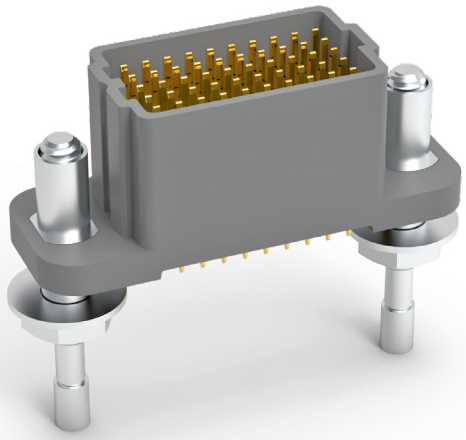
molex

AirBorn verSI Series

VSM — Vertical Male

VSM signal-integrity connectors are used in vertical, PCB-mount applications where a male interface is required. Termination styles include press-fit, paste-in-hole and plated through-hole. Pitch: 0.050" (1.27 mm)



Sample Part Number Format: VSM-04-10-120-50-02-L

VSM – [ ] – [ ] – [ ] – [ ] – 50 – [ ] – [ ]

SERIES
AirBorn verSI
Vertical (Male)
1.27 mm

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

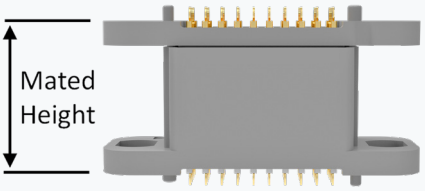
COLUMNS
10 – 10 Columns
20 – 20 Columns
30 – 30 Columns
40 – 40 Columns
50 – 50 Columns

BOARD SPACING*
080 – 8 mm
100 – 10 mm
120 – 12 mm
160 – 16 mm
200 – 20 mm
250 – 25 mm

CONTACT PLATING
50 – 50 µ" Au

TERMINATION
00 – Press-fit
01 – Paste-In-hole
02 – PTH 0.078"
03 – PTH 0.109"
04 – PTH 0.140"
05 – PTH 0.156"
06 – PTH 0.172"
10† – SMT - SN63PB37 Solder Dipped
11† – SMT - 42Sn/57.6Bi/0.4Ag lead free, solder dipped

OPTIONS
Blank – No options‡
G – Guide pin[1]
G1 – Guide pin[2]
J – Turning jackscrew[1]
J1 – Turning jackscrew[2]
L – Locking screw[1]
L1 – Locking screw[2]
N – Fixed jacknut[1]
N1 – Fixed jacknut[2]



Board Spacing		Mated Height (in)
Code	Value	Nominal
080	8mm	0.315 (0.350 Max)
100	10mm	0.394 (0.429 Max)
120	12mm	0.472 (0.507 Max)
160	16mm	0.630 (0.665 Max)
200	20mm	0.787 (0.822 Max)
250	25mm	0.984 (1.02 Max)

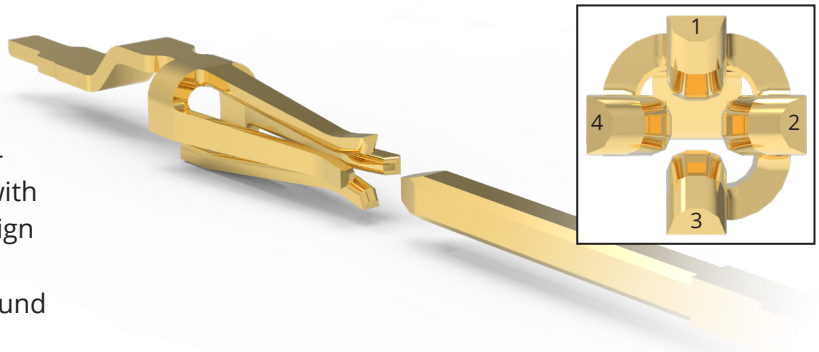
NOTES:

See Molex SPEC ESL5001 for installation information.
Connector potting is standard.
* Consult factory for additional board spacing options.
[1] Used for PC board thickness up to 0.125".
[2] Used for PC board thickness 0.125" up to 0.250".
† Surface mount termination only available on 4 Row vertical connectors.
‡ No hardware supplied with blank hardware option connectors.
Molex can manufacture other configurations to your exact specifications.
RoHS Compliant (except for termination option 10); certificate of conformance available upon request with each shipment.
Please view document VSM-XX-XX-XXX-XX-XX-XX on molex.com before part configuration for more product specification information.

NOTE: Please consult molex.com to configure your part number and for the latest revision controlled drawing and technical data.

Reliable Contact Every Time

AirBorn verSI Series connectors feature a 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.



Downloaded from Arrow.com.