

Aero-Sensors Module Manufacturing and Ordering

For: Aero Sub-System Validation

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1. JLCPCB MANUFACTURING AND ORDERING

1. Goto JLCPCB (<https://jlcpcb.com/>)
2. Click on "Add gerber file" and upload gerbers.zip
3. Select 2 Layers
4. PCB Qty: 5
5. Delivery Format: Single PCB
6. PCB Thickness: 1.6
7. Select PCB Assembly
 - 7.1 PCBA Type: Economic
 - 7.2 Assembly Side: Top Side
 - 7.3 PCBA Qty: 2
 - 7.4 Tooling holes: Added by JLCPCB
 - 7.5 Confirm Parts Placement: Yes
8. Click Next
9. Add BOM File and upload aero_sensors_bom_jlcpcb.csv
10. Add CPL File and upload aero_sensors-top-pos.csv
11. Select correct usage → Sensor\Controller\Precision Instrument → Pressure Sensor
12. Confirm Inventory shortage on MAX7356EUG+ and MPRLS0025PA00001A **ONLY**
13. Click NEXT
14. Order ready to be placed

2. ELECTRONIC COMPONENTS ORDERING

Part Number	Supplier Part Number	Qty	Supplier
PCBM (5 boards) PCBA (2 boards)	See Previous Section	1	JLCPCB
0022272041	WM4113-ND	30	DigiKey
0022122044	WM2713-ND	18	DigiKey
0050579504	WM2878-ND	50	DigiKey
0008510108	WM19393CT-ND Cut Tape (CT)	200	DigiKey
MPRLS0025PA00001A	480-7098-1-ND Cut Tape (CT)	16	DigiKey
MAX7356EUG+	MAX7356EUG+-ND	3	DigiKey
NPA-700B-030D	45-NPA-700B-030DCT-ND Cut Tape (CT)	1	DigiKey