

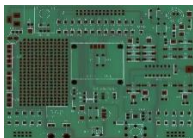


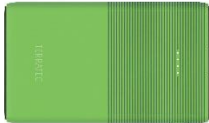













APP IEMDP – List of components **Environmental quality measurement system**

You will find here the list of material that you have at your disposal for the APP. You will have to pick this material downstairs at the technician's office.




Category	Picture	Quantity	Designation
Electronic board		2	Carte TI TIVA123g
Electronic board		1	Base PBL Board
Electronic Board		1	Study PBL board
Electronic board		1	Breadboard
Spacer 2.5mm		1	1842587 (RS)
Power suply		1	Lithium-Ion Battery 5A
Connectivity		2	Kits - standard straps for prototyping
Connectivity		1	USB power cable (DC-PLUG 1848218 Conrad)
Connectivity		2	Micro-USB cables (2468266 (farnell))
Connectivity		1	Bluetooth USB key (LM506 210735 5farnell))

Connectivity		1	Oscilloscope probe
Connectivity		1	Power outlet (224-959 Farnell)
Connectivity		1	Soldering connector (HE10 2X13 1616341(RS))
Connectivity		2	Soldering connector (HE10 2X5 1641650 (RS))
Connectivity		2	Connectors (Support CI 2x7 1831562(RS))
Connectivity		1	Female socket base support
Connectivity		1	Pin socket
Connectivity		1	2mm banana plug
Connectivity		1	Bnc/Banana to 2mm cable
Sensor		1	LM35 temperature sensor
Sensor		1	Micro electret (AMB-707-RC)

Sensor		1	CO2 : MiCS-VZ-98-TE
Sensor		1	ADA-1063 Amplified Microphone Module
Sensor		1	Potentiometer 50/100K (VISHAY M63M503KB)
screen		1	OLED display TF051
LED		1	Tricolor LED
LED			Red LED
Component		2	Operational amplifier LM324
Component		1	Pushbutton
Measurement		1	Multimeter

Welding equipment		1	Desoldering pump
Welding equipment		1	Roll of tin solder wire
Tools		1	Flat pliers.
Tools		1	cutting pliers
Tools		1	Phillips screwdriver
Tools		1	Flathead screwdriver
Writing		2	Marker

Your tutor will also have his own box of material including:

Category	Picture	Quantity	Designation
Sensors		1	Sonometer, RS PRO, réf. 155-8902
Connectivity		1	Kit - Standard straps for prototyping
Writing		2	Marker