

Materials List for:

Fabrication of Microscope Stage for Vertical Observation with Temperature Control Function

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Materials

Name	Company	Catalog Number	Comments
AC adapter 12V2A	Akizuki Denshi Tsusho Co., Ltd.	AD-D120P200	Tokyo, Japan
ADS1015 Substrate	Akizuki Denshi Tsusho Co., Ltd.	adafruit PRODUCT ID: 1083	Tokyo, Japan
Aluminium Plate (Back Side Plate)	Inoval Co., Ltd.	W 150mm×L 200?×T 1.5mm	Gifu, Japan
Aluminium Plate (Forefront Plate)	Inoval Co., Ltd.	W 150mm×L 200?×T 2mm	Gifu, Japan
Aluminium Plate (Middle Lower Plate)	Inoval Co., Ltd.	W 150mm×L 200?×T 4mm	Gifu, Japan
Aluminium Plate (Middle Upper Plate)	Inoval Co., Ltd.	W 150mm×L 200?×T 5mm	Gifu, Japan
Aluminum Pedestal (Lower Plate)	Inoval Co., Ltd.	D 100mm×T 3mm (30Φ)	Gifu, Japan
Aluminum Pedestal (Upper Plate)	Inoval Co., Ltd.	D 100mm×T 3mm (30Φ)	Gifu, Japan
Bold Modified Basal Freshwater Nutrient Solution	Sigma-Aldrich Co. LLC	B5282-500ML	St. Louis, USA
Controller Case	Marutsu Elec Co., Ltd.	pff-13-3-9	Tokyo, Japan
CPU	Akizuki Denshi Tsusho Co., Ltd.	ESP-WROOM-02D	Tokyo, Japan
Inverted microscope	Olympus Corporation	CKX 53	Tokyo, Japan
Low temperature hardening epoxy resin adhesive	ThreeBond Co., Ltd.	TB2086M	Tokyo, Japan
Multi-turn semi-fixed volume Vertical type 500 Ω	Akizuki Denshi Tsusho Co., Ltd.	3296W-1-501LF	Tokyo, Japan
OLED module	Akihabara Inc.	M096P4W	Tokyo, Japan
Pressed Cork (For supporting electrode)	Tera Co., Ltd.	W 42mm×L 30?	Ishikawa, Japan
Pressed Cork (Lower Disk)	Tera Co., Ltd.	D 100mm×T 0.5mm (20Φ)	Ishikawa, Japan
Pressed Cork (Upper Disk)	Tera Co., Ltd.	D 100mm×T 2.5mm (20Φ)	Ishikawa, Japan
Rotary encoder with switch with 2 color LED	Akizuki Denshi Tsusho Co., Ltd.	P-05772	Tokyo, Japan
Silicone rubber heater	Three High Co., Ltd.	D 100mm×T 2.5mm (20Φ)	Kanagawa, Japan
Substrate	Seeed Technology Co., Ltd.	mh5.0	Shenzhen, China
Temperature sensor	Akizuki Denshi Tsusho Co., Ltd.	NXFT15XH103FA2B050	Tokyo, Japan
Three-terminal DC / DC regulator 3.3 V	Marutsu Elec Co., Ltd.	BR301	Tokyo, Japan
Universal Flexible Arm	Banggood Technology Co., Ltd.	YP-003-2	Hong Kong, China
USB cable USB-A - MicroUSB	Akizuki Denshi Tsusho Co., Ltd.	USB CABLE A-MICROB	Tokyo, Japan
Video Canera	Sony Corporation	HDR-CX590	Tokyo, Japan