

Item	Description	Specification	Location/Tool No.	Usar		Brand	Vendor P/N
1 Plastic:							
1.1	Top Cover, Black	ABS 124g	EMIT01	1	Mesa World	Mesa World	EMIT01A
1.1b	Silkscreen			1	Mesa World	Mesa World	
1.2	Bottom Cover (13410cm)	ABS 84g	EMIT01	1	Mesa World	Mesa World	EMIT01B
1.3	SD Access	ABS 2-4g	EMIT02	1	Mesa World	Mesa World	EMIT02A
1.4	Switch Cap	ABS 2g	EMIT02	1	Mesa World	Mesa World	EMIT02B
1.5	Light Pipe	ABS 1g	EMIT03	1	Mesa World	Mesa World	EMIT03
2 Metal Parts							
2.1	Screw PT 3x10mm/D=5mm	Mild Steel, Black Zinc		2	Anv	Anv	TBC
2.2	Screw PT 2.6x6mm/D=4.2mm	Mild Steel, Ni-Plated		6	Anv	Anv	TBC
2.3	Screw 4x13mm/D=8mm	Mild Steel, Black Zinc		4	Anv	Anv	TBC
2.4	Washers			2	Anv	Anv	TBC
3 Electronics							
Expansion Board							
3.1	LED , White, 5ma, 0603	LED1,2,3,4,5		5	Wah Wang	Wah Wang	WW-WS190TS-G
3.2	Cap Cer. 0.1uF 25V 10% X7R 0603	C1,C4,C40,C42,C6		5	Distributor	Wakin	0603B104K250CT
3.3	Cap 10uF 25V +/-10% 0805 Thickness	C2,C3,C41		3	Distributor	Wakin	0805S106K250CT
3.4	Cap Cer 10000pF (0.01uF) 50V X7R 10% 0603	C3		1	Distributor	Wakin	0603B101K500CT
3.5	Fuse, Resettable 1.5A, 0603	F1		1	Karwin	Latefuse	0603L150SLYR
3.6	Header 26-Pin, Dual row (1X2)	H1		1	Jinda	Jinda	TCCH 2.54-2x26AW
3.7	Power Jack 2mm PTH	P1		1	See Plus	See Plus	DC-470H-01-2
3.8	Res 2K2 0hm 1/10W 5% 0603	R1		1	Distributor	HKR-Wakin	WR06X102JTL
3.9	Res 220 0hm 1/10W 1% 0603	R2,R3,R4,R5		4	Distributor	HKR-Wakin	WR06X1000JTL
3.10	Res 10K 0hm 1/10W 1% 0603	R6,R7,R40,R43,R8		5	Distributor	HKR-Wakin	WR06X1002JTL
3.11	Res 0 0hm 1/10W 5% 0603	R46		1	HKR-Wakin	HKR-Wakin	TBA
3.12	Switch, Tactile, 6mmx6mm, SMT	S1, S2		2	Selectron	Selectron	BTS-1102NEA-3-B-Y-90
3.13	3.3V, 5-Pin TSOT-23, Tape and Reel	U10		1	Mouser	ON	CAT6219-330TDGF3
3.14	IC, Zwave, Module, (12.5x13.6x2.4)	U40		1	Consim	ZM3102AU	Consim
3.15	128Kbit (16,384x8), SPI EEPROM	U41		1	Distributor	ATMEL	AT25128B-SSHL-T
3.16	PCB DS HAL 1oz Copper Blue			1	Wing Ju	Wing Ju	CAM for EMP PCB_RevF
3.16a	Header 4-Pin, Right angle, Pitch2.54	H2		1	Jinda	Jinda	2510-4AWG
3.17	Antenna, 73mm long +/- .3mm	ANT1		1	Alpha Wire	Alpha Wire	30501 RD005
Other Purchased Parts							
3.19	WiFi RT18192cu Chipset			0	Consim	Consim	Adifruit 814
3.20	SD Card			1	Transcend	Transcend	4G SD Card, class10
3b	Micro SD Card with Adaptor			1	Raspberrry	Raspberrry	8G, class 10
3.21	Acon Labs Z-Stick			0	Consim	Consim	Consim
3.22	Wall Adapter 2.1mmx5.5mm 5V, 1.5A+, positive center, cable length 1.8M			1	KPTEC	KPTEC	K095050150U
3.23	Exp Board to Pi Ribbon 20PIN 105mm			1	JINDA	JINDA	DWE-EX-026
3.24	Raspberry Pi Model B			1	Consim	Raspberrry Pi Model B	Consim
4 Indirect Materials							
				AR			
5 Packaging :							
5.1	Corrugated Box			1			
5.2	Serial number label (SD card/PI/Exp. Board)			3			
5.3	Barcode Serial number label (Top Cabinet)			1			
5.4	Product label			1			
5.5	Date Code Label (on product label)			1			
5.6	Large anti-static bubble bag (for product)			1			
5.7	Anti-static bubble bag (for adaptor)			1			
5.8	Anti-static bubble sheet (for USB Stick)			0			
5.9	PE bag for screws			1			
5.10	Export carton B-B		1/24	0.04			
				1			