

EEZ H24005 r5B12 CrowdSupply Pledge Level *Enclosure and Assemblies* (PRELIMINARY)

#	Qty	Part name	Package	Reference designator	Position	Qty
1	1	Varisom enclosure kit	2U Enclosure, pre-drilled and painted, AC/DC mounting rail, TFT display mounting rail, handles, foot, 2 x customized heatsinks		Enclosure	1
2	1	0.4 mm thermal silicone pad	for Q4		Power board	2
3	1	5 mm thick thermal silicone pad (20 x 75 mm)	Mounted below power pre-regulator		Power board	2
4	2	BS-244DSM-R	Binding post 4mm, red	J1, J4	Arduino Shield	2
5	1	BS-244DSM-G	Binding post 4mm, green	J2	Arduino Shield	1
6	2	BS-244DSM-B	Binding post 4mm, black	J3, J5	Arduino Shield	2
7	1	12V fan 60x60mm			Enclosure	1
8	4	FSP-2	Fastener for fan		Enclosure	4
9	1	FG-06	Finger guard, 60x60mm, metal		Enclosure	1
10	2	M3x5 countersunk, black finish	Rear and front panel		Enclosure	2
	2	M3x5 countersunk, black finish	AC/DC mounting rail		Enclosure	2
	2	M3x5 countersunk, black finish	AC inlet		Enclosure	2
	8	M3x5 countersunk, black finish	Power board top and bottom plate mounting		Power board	16
						22
11	4	M4x6	Front panel handles		Enclosure	4
12	1	Washer externally serrated M3, D=6mm	Earth connection		Enclosure	1
	1	Washer externally serrated M3, D=6mm	Q4 mounting to heatsink		Power board	2
						3
13	1	M3x12, cheese head	Q4 mounting to heatsink		Power board	2
14	4	Washer M3, 8mm	Enclosure feet		Enclosure	4
15	5	M3x8, black finish	AUX PS mounting, ext		AUX PS	5
16	8	M3x8, black finish	Top and bottom plates		Enclosure	8
	1	M3x8, black finish	AC/DC mounting rail		Power board	2
	4	M3x8, black finish	Power board heatsink		Power board	8
						23
17	5	M3x5	AUX PS mounting, int		AUX PS	5
	2	M3x5	AC/DC mounting rail		Power board	4
						9
18	1	TFF-M3X40/DR124	40 mm metal spacer, M3 (a pair is required for dual channel)		Power board	2
19	4	Screwed spacer sleeve; hexagonal	14 mm, M3		AUX PS	4
20	9	Screwed spacer sleeve; M5; 8mm; brass	Extend binding post for PCB mounting		Arduino Shield	9
21	4	Spacer sleeve; 5mm; cylindrical; brass	5 mm between PCB and heatsink		Power board	8
22	12	Light pipe for LED	Round; Ø3mm; Front: convex; straight		Arduino Shield	12
23	1	Schurter 4304.6090	C14 IEC inlet, switch, 2 fuse drawer is included		Enclosure	1
24	2	4A Fuse	Replace with 8A for 115VAC!		AUX PS	2
25	0,06	CB-HFT50.8/1M-BL	Heat shrink sleeve; 2:1, 50.8mm		AUX PS	0,06
27	1	10K NTC	Main temperature sensor		Arduino Shield	1
28	1	39-01-4030	Receptacle for X1	DC power input	Power board	2

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29	1	39-01-4050	Receptacle for X4	AC power input	AUX PS	1
30	1	22-01-2035	Receptacle for X6	Cooling fan	AUX PS	1
31	2	NSR-08	Receptacle for X8, X18	Ethernet cable	AUX PS	2
32	3	39-00-0078	Pins for X1	DC power input	Power board	6
33	5	39-00-0078	Pins for X4	AC power input	AUX PS	5
						11
34	3	08-50-0114	Pins for X6	Cooling fan	AUX PS	3
35	2	08-50-0114	Pins for X17	MAIN temperature sensor	Arduino board	2
						5
36	21	NDR-T	Contact; female; 28÷22AWG; NSR/NDR; tinned	X8, X18	Arduino Shield	21
37	1	3804/M.05.00.9	Ring terminal; M4; 1÷2.5mm2	Earth to chassis	Enclosure	1
38	4	ST-003/05-20T	Female quick disconnect	AC switch patch cables	Enclosure	4
	1	ST-003/05-20T	Female quick disconnect	AC inlet Earth (Side B)	Enclosure	1
	2	ST-003/05-20T	Female quick disconnect	Lower AC/DC module power input (Side B)	Enclosure	2
	1	ST-003/05-20T	Female quick disconnect	Cable set #1	Arduino board	1
						8
39	2	H1.5/14D/BK	Bootlace ferrule; insulated, 1.5mm2	Cable set #1	Enclosure	2
	4	H1.5/14D/BK	Bootlace ferrule; insulated, 1.5mm2	Cable set #2	Enclosure	4
						6
40	2	H1.5/16D2/BK	Bootlace ferrule, twin entry; insulated, 1.5mm2	Cable set #1	Enclosure	2
	3	H1.5/16D2/BK	Bootlace ferrule, twin entry; insulated, 1.5mm2	Cable set #2	Enclosure	3
						5
41	1	Cat5E cable, stranded wire		Ethernet cable	Enclosure	1
42	0,09	LGY1.5/10-BR	Insulated wire, stranded, <b>brown</b> , 1.5 mm2	AC switch patch cables	Enclosure	0,09
	0,2	LGY1.5/10-BR	Insulated wire, stranded, <b>brown</b> , 1.5 mm2	Lower AC/DC module power input	Enclosure	0,2
	0,07	LGY1.5/10-BR	Insulated wire, stranded, <b>brown</b> , 1.5 mm2	Upper AC/DC module power input	Enclosure	0,07
	0,11	LGY1.5/10-BR	Insulated wire, stranded, <b>brown</b> , 1.5 mm2	AUX PS module power input	Enclosure	0,11
						0,47
43	0,09	LGY1.5/10-BL	Insulated wire, stranded, <b>blue</b> , 1.5 mm2	AC switch patch cables	Enclosure	0,09
	0,2	LGY1.5/10-BL	Insulated wire, stranded, <b>blue</b> , 1.5 mm2	Lower AC/DC module power input	Enclosure	0,2
	0,07	LGY1.5/10-BL	Insulated wire, stranded, <b>blue</b> , 1.5 mm2	Upper AC/DC module power input	Enclosure	0,07
	0,11	LGY1.5/10-BL	Insulated wire, stranded, <b>blue</b> , 1.5 mm2	AUX PS module power input	Enclosure	0,11
						0,47
44	0,4	LGY1.5/10-RD	Insulated wire, stranded, <b>red</b> , 1.5 mm2	Cable set #1, Power board X1 cable	Enclosure	0,4
	0,33	LGY1.5/10-RD	Insulated wire, stranded, <b>red</b> , 1.5 mm2	Cable set #2, Power board X1 cable	Enclosure	0,33

#	Qty	Part name	Package	Reference designator	Position	Qty
						<b>0,73</b>
45	0,4	LGY1.5/10-BK	Insulated wire, stranded, <b>black</b> , 1.5 mm2	Cable set #1, Power board X1 cable	Enclosure	<b>0,4</b>
	0,33	LGY1.5/10-BK	Insulated wire, stranded, <b>black</b> , 1.5 mm2	Cable set #2, Power board X1 cable	Enclosure	<b>0,33</b>
						<b>0,73</b>
46	0,4	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Cable set #1, Power board X1 cable	Enclosure	<b>0,4</b>
	0,07	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Cable set #1, AC/DC module Earth	Enclosure	<b>0,07</b>
	0,17	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Chassis Earth	Enclosure	<b>0,17</b>
	0,5	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Arduino Shield Earth	Enclosure	<b>0,5</b>
	0,33	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Cable set #2, Power board X1 cable	Enclosure	<b>0,33</b>
	0,15	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	Cable set #2, AC/DC module Earth	Enclosure	<b>0,15</b>
	0,15	GY1.5/10-YL/GR	Insulated wire, stranded, <b>green-yellow</b> , 1.5 mm2	AUX PS module Earth	Enclosure	<b>0,15</b>
						<b>1,77</b>
47	1	Arduino USB cable	USB micro to 5-pin receptacle cable, 30 or 50 cm	AliExpress/Alibaba	Arduino Shield	<b>1</b>
48	1	FC10300-0	Ribbon cable with IDC connectors, 30 cm		Arduino Shield	<b>1</b>