

#	Qty	Part name	Package / Note	Reference designator	Code	Farnell / Element14			Digi-Key			Mouser		
						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
1	1	22-01-3037	3-pin 0.1" receptacle		1462838	22-01-3037	0.175	1	WM2001-ND	0.170	1	538-22-01-3037	0.166	1
2	1	39-01-2065	6-pin receptacle Mini-Fit Jr.		1697119	39-01-2065	0.515	1	WM23702-ND	0.530	1	538-39-01-2065	0.515	1
3	1	39-01-4030	3-pin receptacle Mini-Fit Jr.		9963480	39-01-4030	0.288	1	WM18434-ND	0.290	1	538-39-01-4030	0.288	1
4	3	39-01-3022	2-pin receptacle Mini-Fit Jr.		1704304	39-01-3022	0.288	1	WM1021-ND	0.280	1	538-39-01-3022	0.279	1
5	3	08-50-0114	0.1" pin for 22-01-3037		1462641	08-50-0114	0.084	100	WM1114-ND	0.106	25	538-08-50-0114	0.075	100
6	15	39-00-0078	Mini-Fit Jr. pin		2725176	39-00-0078	0.111	50	WM9154-ND	0.125	25	538-39-00-0078	0.090	100
7	6	60196-3	Female quick disconnect, 4.8mm; 0.8mm		-				A122464-ND	0.135	10	571-60196-3	0.135	10
8	15	9019040000	0.75 cm <sup>2</sup> Ferrule		-				281-5091-ND	0.070	500	845-FID1806GRM	0.029	25
9	0.7	LGY0.75/25-BR	0.75 cm <sup>2</sup> cable (Brown)		2290831	3055 BR005	0.540	31	A3055N-100-ND	1.669	31	602-3055-100-07	1.516	31
10	0.7	LGY0.75/25-BL	0.75 cm <sup>2</sup> cable (Blue)		2290833	3055 BL005	0.540	31	A30551B-100-ND	1.669	31	602-3055-100-06	1.586	31
11	1.05	LGY0.75/25-RD	0.75 cm <sup>2</sup> cable (Red)		2290829	3055 RD005	0.540	31	A2064R-100-ND	2.014	31	602-3055-100-03	1.586	31
12	1.05	LGY0.75/25-BK	0.75 cm <sup>2</sup> cable (Black)		2290834	3055 BK005	0.540	31	3055/1BK005-ND	1.669	31	602-3055-100-02	1.586	31
13	1.55	LGY0.75/25-YL/GR	0.75 cm <sup>2</sup> cable (Yellow-Green)		2290830	3055 GY005	0.498	31	A2064E-100-ND	2.014	31	602-3055-100-28	1.586	31
14	1	MF80251V3-1000U-G99	80x80x25mm, 12Vdc fan		-				259-2066-ND	16.140	1	-		
15	1	D89116-0131HK-3365/16-D-3	16-pin IDC cable 7.5 to 15cm		-				3M156034-MC16G-3M156034-3-ND	1.860	1	-		
16	4	FSP-2	Fastener for fans and protections											
17	1	FG-08	Finger guard; 80x80mm											
18	17	M3X4/D7985	Screw; M3x4; <b>cheese head</b> ; Phillips	Module's studs mounting (bottom), AC/DC mounting frame (top), 3 x AC/DC modules mounting										
19	34	M3X5/D965B	Screw; M3x5; <b>countersunk</b> ; Phillips; black finish	Module's studs mounting (top), front and rear panel fixing, modules mounting on the front panel										
20	13	TFF-M3X6/DR113	Screwed spacer sleeve; Int.thread: M3; 6mm; hexagonal	For mounting AUX-PS, MCU and BP3C to the bottom plate										
21	2	B3/BN117	Nut; hexagonal; M3; H: 2.4mm	AC inlet fixing on the rear panel										
22	4	B3/BN860	Nut with flange; hexagonal; M3	TFT display fixing on the front panel										
23	2	M3X8/D965B	Screw; M3x8; countersunk; Phillips; black finish	AC inlet fixing on the rear panel										
24	6	Cable tie 100mm	Cable tie; L: 100mm; W: 2.5mm; polyamide	For AC, DC and PE cables								644-S4-18-M	0.011	100

#### Custom made components

**EEZ DIB BB3 wire harness and enclosure (r1B1, 2020-01-14)**  
Project source code at <https://github.com/eez-open/modular-psu>

#	RS Components						TME			THT SMD		Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	1	22-01-3037	679-5375	22-01-3037	0.098	10	MX-22-01-3037	0.080	10			TME	0.080 €	1	0.080
2	1	39-01-2065	679-5773	39-01-2065	0.520	5	MX-39-01-2065	0.130	10			TME	0.130 €	1	0.130
3	1	39-01-4030	510-9685	39-01-4030	0.238	5	MX-5557-03R2	0.169	5			TME	0.169 €	1	0.169
4	3	39-01-3022	670-4569	39-01-3022	0.193	10	MX-39-01-3022	0.143	10			TME	0.143 €	3	0.430
5	3	08-50-0114	172-9178	08-50-0114	0.075	100	MX-0850-0114	0.058	10			TME	0.058 €	3	0.173
6	15	39-00-0078	215-5887	39-00-0078	0.154	100	MX-5556-T3L	0.087	10			TME	0.087 €	15	1.298
7	6	60196-3	719-6987	60196-3	0.098	100	ST-004/2	0.062	20			TME	0.062 €	6	0.372
8	15	9019040000					H0.75/14D/GY	0.024	20			TME	0.024 €	15	0.357
9	0.7	LGY0.75/25-BR					LGY0.75/25-BR	0.330	25			TME	0.330 €	1	0.231
10	0.7	LGY0.75/25-BL					LGY0.75/25-BL	0.330	25			TME	0.330 €	1	0.231
11	1.05	LGY0.75/25-RD					LGY0.75/25-RD	0.330	25			TME	0.330 €	1	0.347
12	1.05	LGY0.75/25-BK					LGY0.75/25-BK	0.330	25			TME	0.330 €	1	0.347
13	1.55	LGY0.75/25-YL/GR					LGY0.75/25-YL/GR	0.330	25			TME	0.330 €	2	0.512
14	1	MF80251V3-1000U-G99 -					MF80251V3-1000U-G99	2.040	1			TME	2.040 €	1	2.040
15	1	D89116-0131HK-3365/16-D-3 -					FC16150-S	1.310	1			TME	1.310 €	1	1.310
16	4	FSP-2					FSP-2	0.142	5			TME	0.142 €	4	0.566
17	1	FG-08					FG-08	0.524	1			TME	0.524 €	1	0.524
18	17	M3X4/D7985					M3X4/D7985	0.012	100			TME	0.012 €	17	0.199
19	34	M3X5/D965B					M3X5/D965B	0.012	100			TME	0.012 €	34	0.425
20	13	TFF-M3X6/DR113					TFF-M3X6/DR11	0.110	10			TME	0.110 €	13	1.434
21	2	B3/BN117					B3/BN117	0.005	100			TME	0.005 €	2	0.010
22	4	B3/BN860					B3/BN860	0.017	100			TME	0.017 €	4	0.066
23	2	M3X8/D965B					M3X8/D965B	0.015	100			TME	0.015 €	2	0.029
24	6	Cable tie 100mm					BMB1025	0.010	100			TME	0.010 €	6	0.058
															<b>11.33 €</b>

Custom made componer

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1		BB3-ENC-KIT	BB3 enclosure kit (top and bottom plate, front and rear panel, AC/DC module mounting frame, TFT mounting frame)	Varisom, Portugal										
1		BB3-CP-MFP	Empty module front cover plate	Varisom, Portugal										
1		BB3-DCP405-MFP	DCP405 front panel	Varisom, Portugal										
1		BB3-DCP405B-MFP	DCP405B front panel	Varisom, Portugal										
1		BB3-DCM220-MFP	DCM220 front panel	Varisom, Portugal										
2		A-951-A-0-G-0	Adjustable feet (pack of 2)	Altinkaya, Turkey										

*All prices are net prices (without VAT)*

Please note that BOM does not contain ordering number for parts on reels or that which includes re-reeling fee (e.g. Farnell). Take also into account that total cost is higher because min. quantity (MOQ) for many parts is larger then what is needed for single unit.

#	Qty	Part name	Code	RS Components			TME			THT	SMD	Price calculation for 1 set			
				Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1		BB3-ENC-KIT												1	0.000
1		BB3-CP-MFP												1	0.000
1		BB3-DCP405-MFP												1	0.000
1		BB3-DCP405B-MFP												1	0.000
1		BB3-DCM220-MFP												1	0.000
2		A-951-A-0-G-0											2.000 €	2	4.000
															<b>4.00 €</b>
														<b>Total</b>	<b>15.33 €</b>