EEZ DIB BB3 wire harness and enclosure (r1B1, 2020-07-30)
Project source code at https://github.com/eez-open/modular-psu

#	Qty	Part name	Package / Note	Reference designator	Farnell / Element14 Code	Part Number	Unit price €	MOQ	Digi-Key Part Number	Unit price €	MOQ	Mouser 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^2 Ferrule	-					281-5091-ND	0,070	500	845-FID1806GRM	0,029	25
9	0,7	H05VK075BR	0.75 cm^2 cable (Brown)		2290831	3055 BR005	0,540	31	A3055N-100-ND	1,669	31	602-3055-100-07	1,516	31
10	0,7	H05VK075BL	0.75 cm^2 cable (Blue)		2290833	3055 BL005	0,540	31	A30551B-100-ND	1,669	31	602-3055-100-06	1,586	31
11	1,05	H05VK075RT	0.75 cm^2 cable (Red)		2290829	3055 RD005	0,540	31	A2064R-100-ND	2,014	31	602-3055-100-03	1,586	31
12	1,05	H05VK075SW	0.75 cm^2 cable (Black)		2290834	3055 BK005	0,540	31	3055/1BK005-ND	1,669	31	602-3055-100-02	1,586	31
13	1,55	H05VK075GN/GE	0.75 cm^2 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 10 to 15cm	-					-			-		
16	4	FSP-2	Fastener for fans and protections											
17	1	FG-08	Finger guard; 80x80mm											
18	13	M3X4/D7985	Screw; M3x4; **cheese head**; Phillips	Module's studs mounting (bottom), AC/DC mounting frame (top), 3 x AC/DC modules mounting										
19	40	M3X5/D965B	Screw; M3x5; **countersunk**; 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
25	2	A-951-A-0-G-0	Adjustable feet (pack of 2)	Altinkaya, Turkey										

	Custom made components		
	1	BB3-ENC-KIT	BB3 enclosure kit (top and bottom plate, front and rear panel, AC/DC module mounting frame, TFT mounting frame)

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#	Qty	Part name	RS Components Code	Part Number	Unit price €	MOQ	TME Code / Part Number	Unit price €	MOQ	THT	SMD	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	H05VK075BR					H05VK075BR	0,104	100			TME	0,104 €	1	0,072
10	0,7	H05VK075BL					H05VK075BL	0,104	100			TME	0,104 €	1	0,072
11	1,05	H05VK075RT					H05VK075RT	0,104	100			TME	0,104 €	1	0,109
12	1,05	H05VK075SW					H05VK075SW	0,104	100			TME	0,104 €	1	0,109
13	1,55	H05VK075GN/GE					H05VK075GN/GE	0,104	100			TME	0,104 €	2	0,160
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	13	M3X4/D7985					M3X4/D7985	0,012	100			TME	0,012 €	13	0,152
19	40	M3X5/D965B					M3X5/D965B	0,012	100			TME	0,012 €	40	0,500
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
25	2	A-951-A-0-G-0										Altinkaya	2,000 €	2	4,000
															14,22 €

Custom made componer

| | 1 | BB3-ENC-KIT | | | | | | | | | | Varisom, Portugal | | 1 | 0,000 |

#	Qty	Part name	Package / Note	Reference designator	Code	Farnell / Element14 Part Number	Unit price €	MOQ	Digi-Key Part Number	Unit price €	MOQ	Mouser Part Number	Unit price €	MOQ
	1	BB3-CP-MFP	Empty module front cover plate											
	1	BB3-DCP405-MFP	DCP405 front panel											
	1	BB3-DCP405B-MFP	DCP405B front panel											
	1	BB3-DCM220-MFP	DCM220 front panel											

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.

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| # | Qty | Part name | RS Components | | | | | TME | | | | | Price calculation for 1 set | | | |
			Code	Part Number	Unit price €	MOQ		Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
	1	BB3-CP-MFP											Varisom, Portugal		1	0,000
	1	BB3-DCP405-MFP											Varisom, Portugal		1	0,000
	1	BB3-DCP405B-MFP											Varisom, Portugal		1	0,000
	1	BB3-DCM220-MFP													1	0,000
																0,00 €

Total   **14,22 €**