EEZ DIB BB3 wire harness and enclosure (r1B1, 2019-08-08)
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		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		-				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	0.6	LGY0.75/25-BR	0.75 cm^2 cable (Brown)		2290831	3055 BR005	0.540	30.5	A3055N-100-ND	1.669	30.5	602-3055-100-07	1.516	30.5
10	0.6	LGY0.75/25-BL	0.75 cm^2 cable (Blue)		2290833	3055 BL005	0.540	30.5	A30551B-100-ND	1.669	30.5	602-3055-100-06	1.586	30.5
11	0.69	LGY0.75/25-RD	0.75 cm^2 cable (Red)		2290829	3055 RD005	0.540	30.5	A2064R-100-ND	2.014	30.5	602-3055-100-03	1.586	30.5
12	0.69	LGY0.75/25-BK	0.75 cm^2 cable (Black)		2290834	3055 BK005	0.540	30.5	3055/1BK005-ND	1.669	30.5	602-3055-100-02	1.586	30.5
13	1.41	LGY0.75/25-YL/GR	0.75 cm^2 cable (Yellow-Green)		2290830	3055 GY005	0.498	30.5	A2064E-100-ND	2.014	30.5	602-3055-100-28	1.586	30.5
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	1	22-01-3037	3-pin receptacle for X4		1462838	22-01-3037	0.093	100	WM2001-ND	0.170	1	538-22-01-3037	0.166	1
19	3	08-50-0114	Pins for X4		1462641	08-50-0114	0.073	100	WM1114-ND	0.141	10	538-08-50-0114	0.100	10
20	1	39-01-4030	Receptacle for X2		9963480	39-01-4030	0.204	10	WM18434-ND	0.260	1	538-39-01-4030	0.272	1
21	1	39-01-2060	Receptacle for X1		151868	39-01-2060	0.277	100	WM3702-ND	0.330	1	538-39-01-2060	0.340	1
22	9	39-00-0078	Pins for X1, X2		9732675	39-00-0078	0.094	100	WM9154-ND	0.137	10	538-39-00-0078	0.112	10
23	13	M3X4/D7985	Screw; M3x4; cheese head; Phillips	Module's studs mounting (bottom)										
24	24	M3X5/D965B	Screw; M3x5; countersunk; Phillips; black finish	Module's studs mounting (top), front and rear panel fixing, AC inlet fixing on the rear panel										
25	6	M2.5X4/D965B	Screw; M2,5x4; countersunk; Phillips; black finish	Peripheral modules mounting on the front panel										
26	2	B3/BN117	Nut; hexagonal; M3; H: 2.4mm	AC inlet fixing on the rear panel										

		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)	Varisom, Portugal										

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#	Qty	RS Components Part name	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-003/2	0.030	20			TME	0.030 €	6	0.178
8	15	9019040000					H0.75/14D/GY	0.024	20			TME	0.024 €	15	0.357
9	0.6	LGY0.75/25-BR					LGY0.75/25-BR	0.330	25			TME	0.330 €	1	0.198
10	0.6	LGY0.75/25-BL					LGY0.75/25-BL	0.330	25			TME	0.330 €	1	0.198
11	0.69	LGY0.75/25-RD					LGY0.75/25-RD	0.330	25			TME	0.330 €	1	0.228
12	0.69	LGY0.75/25-BK					LGY0.75/25-BK	0.330	25			TME	0.330 €	1	0.228
13	1.41	LGY0.75/25-YL/GR					LGY0.75/25-YL/GR	0.330	25			TME	0.330 €	1	0.465
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	1	22-01-3037	679-5375	22-01-3037	0.086	10	MX-22-01-3037	0.080	10			TME	0.080 €	1	0.080
19	3	08-50-0114	172-9178	08-50-0114	0.075	100	MX-0850-0114	0.058	10			TME	0.058 €	3	0.173
20	1	39-01-4030	510-9685	39-01-4030		5	MX-5557-03R2	0.159	5			TME	0.159 €	1	0.159
21	1	39-01-2060	484-1760	39-01-2060	0.280	5	MX-5557-06R	0.104	5			TME	0.104 €	1	0.104
22	9	39-00-0078	215-5887	39-00-0078	0.154	100	MX-5556-T3L	0.082	10			TME	0.082 €	9	0.735
23	13	M3X4/D7985					M3X4/D7985	0.012	100			TME	0.012 €	13	0.152
24	24	M3X5/D965B					M3X5/D965B	0.012	100			TME	0.012 €	24	0.300
25	6	M2.5X4/D965B					M2.5X4/D965B	0.010	100			TME	0.010 €	6	0.059
26	2	B3/BN117					B3/BN117	0.005	100			TME	0.005 €	2	0.010

9.82 €

	Custom made componer				
	1	BB3-ENC-KIT		1	0.000

#	Qty	Part name	Package / Note	Reference designator	Farnell / Element14				Digi-Key			Mouser		
					Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
	1	BB3-CP-MFP	Empty module front cover plate	Varisom, Portugal										
	1	BB3-DCP405-MFP	DCP405 front panel	Varisom, Portugal										
	1	BB3-DCP405BMFP	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	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													1	0.000
	1	BB3-DCP405-MFP													1	0.000
	1	BB3-DCP405BMFP													1	0.000
	1	BB3-DCM220-MFP													1	0.000
	2	A-951-A-0-G-0												2.000 €	2	4.000
																4.00 €

Total   **13.82 €**