EEZ DIB BB3 wire harness and enclosure (r1B1, 2019-10-12)
Project source code at https://github.com/eez-open/modular-psu

#	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	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	0,74	LGY0.75/25-BR	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	0,74	LGY0.75/25-BL	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	0,9	LGY0.75/25-RD	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	0,9	LGY0.75/25-BK	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	LGY0.75/25-YL/GR	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 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	23	M3X4/D7985	Screw; M3x4; **cheese head**; Phillips	Module's studs mounting (bottom), AC/DC mounting frame (top), 3 x AC/DC modules mounting										
19	28	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										

Custom made components

#	Qty	Part name	RS Components				TME			THT	SMD	Price calculation for 1 set			
			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	0,74	LGY0.75/25-BR					LGY0.75/25-BR	0,330	25			TME	0,330 €	1	0,244
10	0,74	LGY0.75/25-BL					LGY0.75/25-BL	0,330	25			TME	0,330 €	1	0,244
11	0,9	LGY0.75/25-RD					LGY0.75/25-RD	0,330	25			TME	0,330 €	1	0,297
12	0,9	LGY0.75/25-BK					LGY0.75/25-BK	0,330	25			TME	0,330 €	1	0,297
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	23	M3X4/D7985					M3X4/D7985	0,012	100			TME	0,012 €	23	0,269
19	28	M3X5/D965B					M3X5/D965B	0,012	100			TME	0,012 €	28	0,350
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

11,20 €

Custom made componen

#					Farnell / Element14				Digi-Key				Mouser			
	Qty	Part name	Package / Note	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
	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.

EEZ DIB BB3 wire harness and enclosure (r1B1, 2019-10-12)
Project source code at https://github.com/eez-open/modular-psu

# 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-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

4,00 €

Total   15,20 €