

EEZ DIB BP3C BOM (r2B3, 2019-06-02)
Project source code at <https://github.com/eez-open/modular-psu>

#	Qty	Part name	Package	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	100n	C0603	C1	2522597	C0603C104K4RAC 7081	0,073	10	490-4774-1-ND	0,090	100	80- C0603C104M4R	0,085	100
2	4	BAS316	SOD-323	D1, D2, D5, D6	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
3	1	PCA9536D	SOIC-8	IC1	2776152	PCA9536D,118	0,946	1	568-1835-1-ND	1,010	1	771-PCA9536D- T	0,952	1
4	4	RT424005	THT; 8A relay	K_COMM, K_PAR, K_SER, K_SPLIT	1629052	RT424005	2,640	1	PB1998-ND	3,620	1	655-RT424005	2,820	1
5	4	2N7002	SOT-23	Q1, Q2, Q3, Q4	1713825	2N7002K-7	0,148	5	T2N7002AKLMC T-ND	0,126	10	757- T2N7002AKLM	0,113	10
6	4	100K	0805	R2, R4, R6, R8	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 0KCT-ND	0,024	10	71- CRCW0805100K FKEAC	0,040	10
7	3	ZL202-20G	THT; 2x10-pin 0.1" header	X1, X2, X3										
8	1	ZL212-40KG	THT; 2x20-pin 0.1" header, angled	X4										
9	3	TSW-113-07-F-D	THT; 2x13-pin 0.1" receptacle	X5, X6, X7										
10	4	SMAJ18A	DO-214AC	ZD1, ZD2, ZD3, ZD4	2677644	SMAJ18A	0,108	5	SMAJ18A- FDICT-ND	0,350	1	652-SMAJ18A-Q	0,384	1

Not installed														
6	LED	0805		+5V, +12V, PAR, SER, COMM, SPLIT										
2	BAS316	SOD-323		D4, D5										
3	330R	0805		R1, R3, R5										
2	470R	0805		R7										
3	1K5	0805		R8										

Custom made components														
1	PCB 2-layer 110 x 85 mm	ALLPCB.com	-											

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.

All resistors are 1% 0805 and all capacitors are X7R 0805 if not otherwise specified.

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#	RS Components						TME					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	100n	264-4630	C0603C104K4R ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		1	RS	0,035 €	1	0,035	
2	4	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		4	TME	0,026 €	4	0,106	
3	1	PCA9536D	510-914	PCA9536DP,11 8	0,950	5	-				1	Farnell	0,946 €	1	0,946	
4	4	RT424005	-				RM84-2012-35-1005	0,820	2		4	TME	0,820 €	4	3,280	
5	4	2N7002	671-0312	2N7002	1,250	20	2N7002LT1G	0,019	25		4	TME	0,019 €	4	0,077	
6	4	100K	223-0691	CRG0805F100K	0,028	50	SMD0805-100K-1%	0,015	100		4	Farnell	0,010 €	4	0,039	
7	3	ZL202-20G					ZL202-20G	0,165	10		3	TME	0,165 €	3	0,494	
8	1	ZL212-40KG					ZL212-40KG	0,284	2		1	TME	0,284 €	1	0,284	
9	3	TSW-113-07-F-D					ZL262-26DG	0,307	2		3	TME	0,307 €	3	0,921	
10	4	SMAJ18A	710-3443	SMAJ18A-E3/61	0,246	25	SMAJ18A-E3/61	0,100	5		4	TME	0,100 €	4	0,400	
											11	18				6,58 €

Not installed

6	LED				Farnell	0,000 €	6	0,000
2	BAS316							
3	330R				Farnell	0,000 €	3	0,000
2	470R				Farnell	0,000 €	2	0,000
3	1K5				Farnell	0,000 €	3	0,000

Custom made componer

1	PCB 2-layer 110 x 85 mm											ALLPCB	5,600 €	1	5,600
															5,60 €

Total 12,18 €