

EEZ DIB MUX14D BOM (r1B2, 2020-12-07)
Project source code at <https://github.com/eez-open/dib-pre16>

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
1	1	EEEFK1V470P		C1	9695850	EEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE-FK1V470P	0,238	10
2	4	100n	0603	C2, C6, C7, C10	2522597	C0603C104K4RAC7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
3	4	2u2	0805	C3, C5, C8, C9	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4RECLR	0,078	10
4	1	10n	0805	C4	2896555	VJ0805Y103JXXPW1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
5	1	BAS316	SOD-323	D1	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
6	1	M24C32-WMN6P	SOIC-8	IC1	1224413	M24C32-WMN6P	0,212	5	-	-	-	511-M24C32-WMN6P	0,210	1
7	1	74HC1G126GW.125	TSSOP-5	IC2	-	-	-	-	1727-6037-1-ND	0,360	1	771-HC1G126GW125	0,369	1
8	1	LP2985-33DBVR	SOT-23-5	IC3	1053660	LP2985A-33DBVTE4	0,610	1	296-18476-1-ND	0,540	1	595-LP2985-33DBVR	0,507	1
9	1	STM32F030C6T6	LQFP-48	IC4	2393632	STM32F030C6T6	1,350	1	STM32F030C6T6TR	1,360	1	511-STM32F030C6T6	1,360	1
10	2	ULN2803ADWR	SOIC-18	IC5, IC6	3125103	ULN2803ADWR	1,120	5	296-15777-1-ND	1,090	1	595-ULN2803ADWR	1,090	1
11	17	3572.1220.051	THT; reed relay	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, K16, K17	-	-	-	-	-	-	-	-	-	-
12	1	2N7002	SOT-23	Q1	1713825	2N7002K-7	0,148	5	T2N7002AKLMCT-ND	0,126	10	757-T2N7002AKLM	0,113	10
13	1	10K	0805	R1	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
14	1	100K	0805	R2	2447551	MCWR08X1003FTL	0,010	10	RMCF0805FT100KCT-ND	0,024	10	71-CRCW0805100KFKEAC	0,040	10
15	1	DR1206-33R-4/8	1206 resistor array	RN1	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
16	1	DR1206-10K-4/8	1206 resistor array	RN2	1770137	CAY16-103J4LF	0,031	10	CAY16-103J4LFCT-ND	0,058	10	652-CAY16-103J4LF	0,021	10
17	2	DS1014-10RF1B	THT, 10-pin 2mm IDC, right angle	X1, X3	-	-	-	-	2BHR-10-HUA	0,650	1	-	-	-
18	1	77317-104-28LF	THT, 28-pin 0.1" header right angled	X2	-	-	-	-	S2111EC-14-ND	1,030	1	649-77317-104-28LF	1,540	1
19	2	691327310016	THT, 16-pin 3.81mm terminal block header, male pins	X5, X6	1793077	MCD 1,5/ 8-G1-3,81	5,770	1	732-691327310016-ND	7,810	1	651-1843130	9,270	1
20	3	MM3Z18VT1G	SOD-323	ZD1, ZD2, ZD3	1431193	MM3Z18VT1G	0,109	10	MM3Z18VT1GOSCT-ND	0,103	10	863-MM3Z18VT1G	0,108	10

Not installed

1	N.C.			X4										
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Related parts and accessories

2	PMB-1	PCB bracket; polyamide		KK1, KK2	-				-			-		
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Project source code at <https://github.com/eez-open/dib-prel6>

Related parts and acces:										
2	PMB-1	-	PMB-1	0,072	10		TME	0,072 €	2	0,145

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	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
4	TJ0831530000G	8-pin 3.81mm pluggable terminal block		2579776	EBK-08-B		2,400	1	609-3803-ND	1,760	1	649-220004-D081B01LF	1,530	1

Custom made components

1 PCB 2-layer 131 x 95 mm

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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.

#	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 €
4	TJ0831530000G	-					15EDGK-3.81-08P-14-00A(H)	1,430	1			TME	1,430 €	4	5,720
															5,86 €
Custom made componer															
1	PCB 2-layer 131 x 95 mm											JLCPCB	4,218 €	1	4,218
															4,22 €
Total															53,11 €