BOM Beta LAYOUT GmbH

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pga.PrjPcb
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 Creation Date:
 09.03.2021
 Total components (including those not to populate):

 Print Date:
 25-Sep-21 3.15.01 PM
 Total components to assemble:

 Production Quantity.
 1

Designator	Comment	LibRef	Footprint	Description	Quantity	Place YES / NO	Provided by Customer YES / NO	Distributor	Ordernumber	Remarks Customer	Remarks Be
C2, C100, C103, C104, C107, C500, C501, C503, C505, C506, C507, C508, C509, C510	100nF	Сар	1005[0402]	Decoupling, VCC filter, VCC filter, AVCC filter, AVCC filter, FPGA decoupling, FPGA decoupling, FPGA decoupling, FPGA decoupling, FPGA decoupling,	14	YES	NO	BETA STOCK	100nF 0402 16V		
				FPGA decoupling, CPU decoupling, FPGA decoupling, FPGA decoupling, FPGA decoupling							
C101, C102, C105, C106	22uF	Cap	1608[0603]	VCC filter, VCC		YES	NO	Digikey	445-9077-1-ND		
D1, D4, D5	Red	LED_SMD	LED_ROHM06 03	Status LED	3	YES	NO	Farnell	1685094		
D3	Yellow	LED_SMD	LED_ROHM06	Status LED	1	YES	NO	Farnell	2687489		
D6, D7, D8, D9	Green	LED_SMD	LED_ROHM06	Status LED2	4	YES	NO	Farnell	2687486		
L100, L101	4.7uH	Inductor	03 1608[0603]	VCC filter, AVCC	2	YES	NO	Farnell	2215636		
P1	Header	Header 16X2	Samtec CLP-	Samtec extension	1		NO	Samtec	CLP-116-02-L-D-		
	16X2		116	female 2x16	ļ.,				P		
P2, PTopL, PTopR P3	PMOD	Header 12H Header 6X2A	Samtec CLP- HDR2x6b	Samtec extension Header, 6-Pin,		YES NO	NO	Samtec	CLP-106-02-L-D-		-
P3	extension			Dual row							
P4	Header 2X2	Header 2X2	HDR2x2b	Header, 2-Pin,		NO					
PBotL, PBotR	Samtec FTSH-106- 03-L-DV	Header 12H	Samtec CLP- 106	Samtec extension male	2	YES	NO	Samtec	FTSH-106-03-L- DV		
R1, R2, R3, R6, R24	10K	Res Semi	1005[0402]	Pull up/down		YES	NO	BETA	10K 0402		
R12, R01, R02, R03, R05, R06, R07, R08, R09, R014, R015, R016, R017, R018, R019, R020, R021	4k7	Res Semi	1005[0402]	Pull up/down, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED, Res LED,		YES	NO	BETA STOCK	4k7 0402		
R100, R101	0R22	Res Semi	1005[0402]	VCC filter, AVCC		YES	NO	Farnell	2696472		
S1, S2, S3, S4, S5, S6 U1	B3U-1000P 7SEGx2	SW-PB 7SEGx2	B3U-1000P ACDA02-	Button	6	YES YES	NO NO	Farnell Digikey	1333652 754-1628-1-ND		
U201	10M08SAU 169C8G	10M08SAU169 C8G	BGA169C80P 13X13_1100X	IC FPGA 130 I/O 169UBGA		YES	NO	Digikey	544-3110-ND		
Y2	ASCO-	ASCO-	1100X155 OSC ASCO-	24MHz XO	1	YES	NO	Farnell	3573055		
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