



Title		
Size	Number	Revision
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Date:	4/6/2020	Sheet of
File:	C:\Users\...\DesignChallenge1.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1 uF	CAP 470pF 100V ±2% 0805 (2012 Metric) Thickness 1.45mm SMD	C1, C2, C3	CAPC0805(2012)145 _N	CMP-1036-02677-1	3
1 uF	CAP 470pF 100V ±2% 0805 (2012 Metric) Thickness 1.45mm SMD	C4, C5	CAPC0805(2012)145 _N	CMP-1036-02677-1	2
SSQ-108-02-G-D	SQ Post Socket, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 16-Pin, Female, RoHS	J1	SMTC-SSQ-108-02- X-D	CMP-1023-00300-1	1
Molex Micro	Molex micro-fit 3.0 dual row header. P/N 0430450427	POT	0430450427	Molex micro-fit 4- pin (Single row schematic)	1
2k	160R 0.125W 1% 0805 (2012 Metric) SMD	R1, R2	RESC0805(2012)_N	CMP-1013-00418-1	2
5	160R 0.125W 1% 0805 (2012 Metric) SMD	R3	RESC0805(2012)_N	CMP-1013-00418-1	1
1825910-7	FSM4JAH=6MM TACT SWITCH, HIGH TEMP	S1	*SW_1825910-7	1825910-7	1
.05" 10 pin	Female Header, Pitch 1.27 mm, 2x5 Position, Height 4.3 mm, Tail Length 2.4 mm	SWD	PCE-FH127H432-10- SNGRH-2.4	CMP-0594-00001-1	1
TCAN332DR	Microchip MCP2562- E/SN, CAN Transceiver 1MBps 1-channel IEC 61000- 4-2, 8-Pin SOIC	U1	Model Name	CAN Transceiver	1
STM32F303K8T6	ARM Cortex-M4 32- bit MCU, 64 KB Flash, 16 KB Internal RAM, 25 I/Os, 32-Pin LQFP, -40 to 85 degC, Tray	U2	STM-LQFP32_M	CMP-0537-00040-1	1
	12-Bit 50 kSPS ADC I2C Low Power 8- Channel Multiplexer Internal 2.5 V Reference, -40 to 85 degC, 16-pin SOP (PW16), Green (RoHS & no Sb/Br)	U3	TI-PW16_M	CMP-0003-00799-1	1