



Title		
Size	Number	Revision
A		
Date:	1/22/2023	Sheet of
File:	D:\Altium\...\E49400T20S.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	Cap Ceramic 100nF 50V X7R 10% Pad SMD 0603 +125°C Automotive T/R	C1, C2, C3, C4, C8, C9, C19, C20	FP-CGA3E-0_3-0_1-IPC_A	CMP-2000-07546-2	8
8pF	Cap Ceramic 8pF 50V COG 0.5pF Pad SMD 0603 +125°C Automotive T/R	C5, C7	FP-CGA3E-0_3-0_1-IPC_A	CMP-08246-000516-1	2
22uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 22uF, X5R, 15%, 20%, 10V	C6	FP-GRM188-0_2-MFG	CMP-2000-06337-3	1
10uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 25V	C10, C11	FP-GRM188-0_2-MFG	CMP-2006-02520-2	2
47uf	CAP TANT 47UF 10% 25V 2917	C12, C13	FP-T491D476K025AT-MFG	CMP-03017-000020-1	2
10nF	Chip Capacitor, 10 nF, +/- 10%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C14	CAPC1608X90K35ML1 0T15	CMP-2100-03642-1	1
12nF	CAP CER 0.012UF 50V 10% X7R 0603	C15	FP-C0603C-CF-MFG	CMP-2006-02245-2	1
120pF		C16	CAPC1608X87X35NL1 5T15	CMP-2006-03074-1	1
1uF	None	C17, C18	FP-0603-L_1_6_0_1-W_0_8_0-IPC_B	CMP-2000-05447-3	2
TLMP1100-GS08	LED GREEN 0603 SMD	D1	FP-6_541-5056_01-4-MFG	CMP-02520-000009-1	1
TLMS1100-GS08	LED, RED, 2.1 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	DS1	VISH-TLWX1100_V	CMP-1666-00027-1	1
B3B-XH-A(LF)(SN)	CONN HEADER VERT 3POS 2.5MM	J1	FP-B3B-XH-A_LF_SN-MFG	CMP-17439-000014-3	1
B2B-XH-A(LF)(SN)	CONN HEADER VERT 2POS 2.5MM	J2, J4	FP-B2B-XH-A_LF_SN-MFG	CMP-2000-05888-3	2
B04B-XASK-1(LF)(SN)	CONN HEADER VERT 4POS 2.5MM	J3	FP-B04B-XASK-1_LF_SN-MFG	CMP-17439-000018-1	1
1.8uH	SMD Power Inductor WE-PDF, L = 1.80 µH	L1	WE-PDF-1045	CMP-0227-00049-1	1
2N3904	General Purpose Transistor, NPN Silicon, 200 mA, 60 V, 55 to 150 degC, 3-Pin TO-92, RoHS, Bulk	Q1	ONSC-TO-92-3-29-11	CMP-2000-05562-1	1
10k	Chip Resistor, 10 KOhm, +/- 1%, 0.1 W, 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R1, R2, R3	RESC1609X55X30LL15 T15	CMP-1012-00623-3	3
100k	RES SMD 100K OHM 1% 1/10W 0603	R4	FP-RC0603-0_55-MFG	CMP-2100-03662-2	1
100k	RES SMD 100K OHM 0.1% 1/10W 0603	R5, R9, R10	FP-ERA3A-IPC_A	CMP-2000-00873-2	3
3.74k		R6	RESC1608X55X30ML1 5T15	CMP-2000-00466-1	1
15k	RES Thick Film, 15kΩ, 1%, 0.1W, 100ppm/°C, 0603	R7	FP-CRCW0603-e3-MFG	CMP-2000-02920-2	1
19k	RES Thick Film, 18kΩ, 1%, 0.1W, 100ppm/°C, 0603	R8	FP-CRCW0603-e3-IPC_A	CMP-2000-02958-2	1
PTS645SH50SMTR92L FS	SWITCH TACTILE SPST NO 0.05A 12V	SW1	FP-PTS645SH50SMTR92L FS-MFG	CMP-10040-000028-1	1
STM32F401CBU6	ARM Cortex-M4 32-bit MCU+FPU, 105 DMIPS, 128 kB Flash, 64 kB Internal RAM, 36 I/Os, 48-pin UQFPN, -40 to 85 degC, Tray	U1	STM-UFOFPN48_M	CMP-0243-00118-2	1
TPS54336ADDA	IC REG BUCK ADJUSTABLE 3A 8SOPWR	U2	FP-DDA0008E-IPC_C	CMP-04918-000301-1	1
E49400T20S		U3	PCBCComponent_1	Component_1	1
AP7343		U4	SOT95P245X110-5N	Component_2	1
CX2016DB4000D0FU CC	CRYSTAL 40.0000MHZ 8PF SMD	Y1	FP-CX2016DB-MFG	CMP-20727-000002-1	1