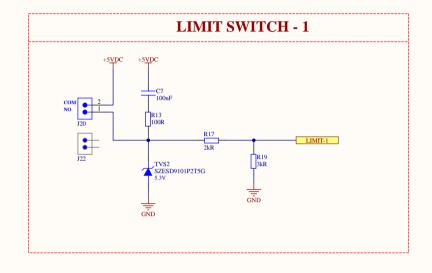
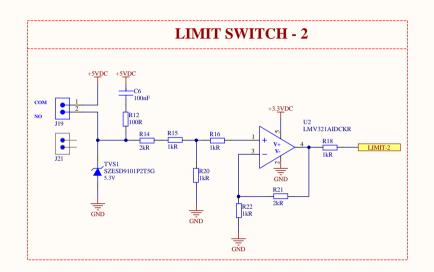




Project: Project	Variant: [No Variations]					
Page Name: Sensors-1.SchDoc						
Designed By:	ApprovedBy:					
Date: 25/11/2022	Page Size		Sheet: 4 of	7	Revision:	



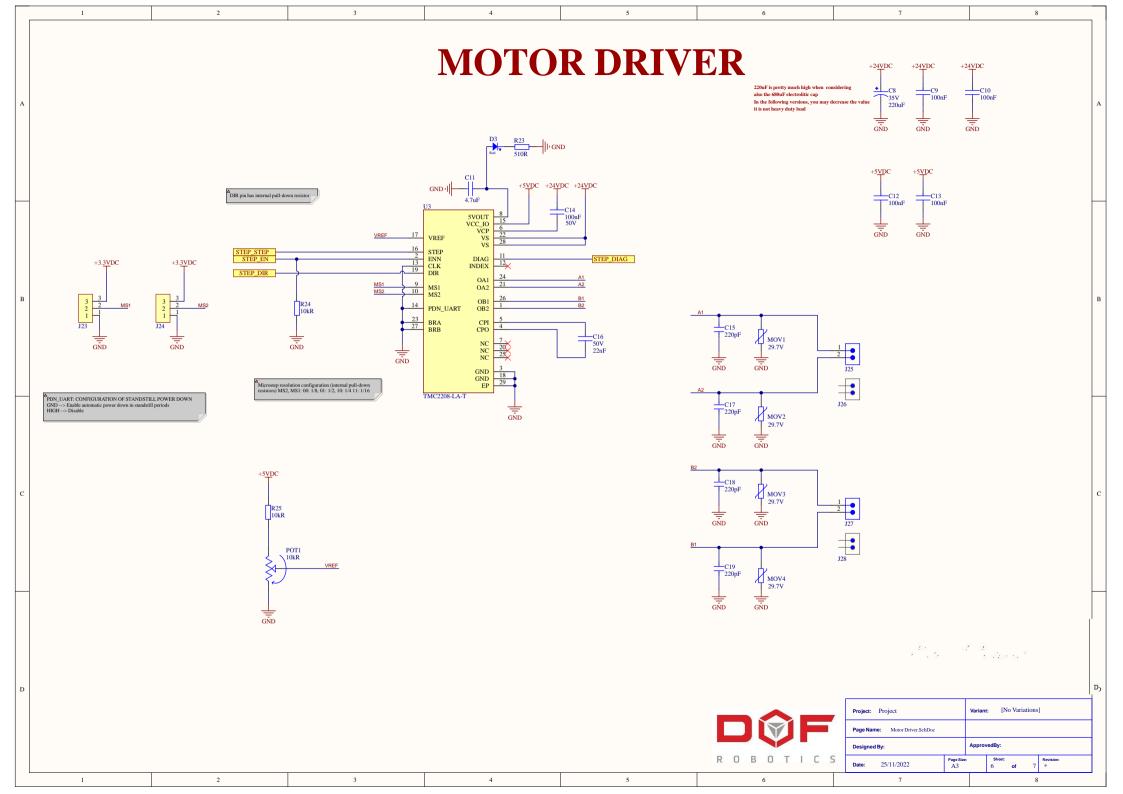




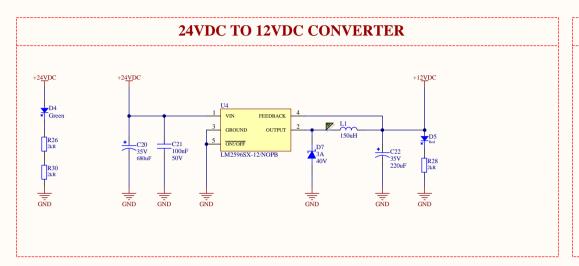


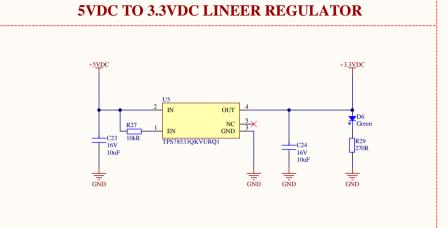


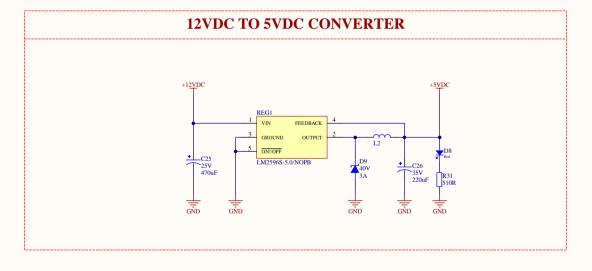
Project: Project		Variant: [No Variations]					
Page Name: Sensors-2.SchDoc							
Designed By:	ApprovedBy:						
Date: 25/11/2022	Page Size		Sheet: 5 of	7	Revision:		
				-			

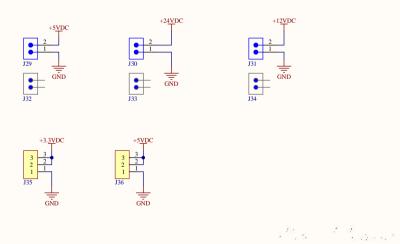


## **POWER MANAGEMENT**











								I	
	Project:	Project		Varian	t: [N	o Varia	tions	]	
	Page Name	: Power Management.SchD	oc						
Ī	Designed By:			ApprovedBy:					
ľ	Date:	25/11/2022	Page Size	¢	Sheet: 7	of	7	Revision:	

	Devilgranter C1, C2, C3, C4, C4, C6, C7	Quantity	Samurag Samurag	Manufacturer Part Number CL2191066ACNIANC	CAP CER 0. TUF 25V X7P-NAYK	Cases/Package 0805	Mount Surface Mount	Supplier 1 Digi-Kry	Supplier Part Number 1 1276-1099-1-ND	puppoir Unit Price 1	aupplier Subtotal 1
	08,022,026		Vishay BCcomponents	8842146990HE3	25V XTR-0805 220uF 25V ALLM Electrolytic Cap 1012: 146-CTI	Radial	Surface Mount	Digi-Key	442394CT-ND		
	08, 022, 026	,	aCcomponents.	MALJ 1409000E3	1012; 146-CTI Series 1500 h; 2000 h; 200000 h	Radai	Surface Mount	Digi-Kay	MIZIPHICT-ND		
П	CR, CID, CIZ, CIZ, CH, CZI	-	KEMET	C0603C10-BISPAC7082	Cap Cor 0 1uF 50k 0403 10%	0603		Digi-Kay	2004-COMODICTORNIS RACPORDICT NO		
	cn	-	Samsung	CL10AK75KOINNINC	6.7uF ±10% 6.2V 858-0600 0400 C 220pF Coramic	0603	Surface Mount	Nowark	82AC9001		
	C15, C17, C18,		KIMIT	romorzzanczana into		0402	Surface Mount		299-11552-1-ND	1	
	C19		natific i	NAME OF THE PROPERTY OF THE PR	Capacitor 200V: +125degC C0G Dielec:+/-5%	mili	wart ace silount	Digi-Key	### 1000 1-MD	1	
	Clá		Samsung	CLOSRO223KREVPNC	Dielec: v/-5% Cap Ceramic 0.002uF 50V X7R 10% SWID 1410	0402	Surface Mount	Olgi-Key	1276-6666-1-ND		
					125°C Paper T/R CAP AUUM 680UF						
-	C2. CH	-	Panasonic KEMET	EDU-RETIVAN CORDSCTORAGEACTU	CAP CER YOUR TIES HISRORIS	Radial 0805	Through Hole Surface Mount	Digi-Kay Digi-Kay	P14514-ND 299-0805C108K4PAC2800CT		
	C2, CH		KEMET	COMPSCTOMARPACTU	crackiuminum	0805	Surface Mount	Digi-Kry	ND		
	CS CS	1	(Panasonic	EEET1EATIC#	Cap-Riuminum bytic 470uE 25V 20% (8 X 10 2mm) SMD 0.08 Chm 850mA 5000h 105C Automotivo	Radial	Surface Mount	Digi-Kay	PCESTIACT-ND		
	01, 00, 05, 08		Murth Electronics	150048RS15000	T/R WLRTH ELEXTRONER - 150060F575000- IED, Red, 625 mm, 2 V, 20 mA, 250 mcd RoHS	0603	Surface Mount	Digi-Kay	732-4979-1-ND		
	02, 04, 06		IVCC CHINE.	OM017-21VGD/TR8	mcdRoFG Compliant: You UED, Green, SMD 0905, 7.0 mcd, Green Diffused	DADS	Surface Mount	Digi-Kay	L62505200R-ND		
	07,09	- 2	Comchip	ACDBA2ND HE	Rectifier Diode Schottky 40V 3A Automotive 2-Pin SMA T/R	00-214AC	Surface Mount	Digi-Kay	641-1077-1-ND		
	п, ц, н, в	,	Wurth Electronics	61300011121			Through Hole	Digi-Kay	722-5315-ND		
	р		Harwin	MDD-99903HS	NGS 258 HARMW - MDO 90G 258 Foreign - MDO Foreign - MDO Straight, 2.54 mm, 3 Contacts, History, Through Holls, 1 Roses COMM HARDER 2 POS 2.54 Nicoshies POS 2.54 Nicoshies	SIL.	Through Hole	Digi-Key	953-2263-NID		
	M, 17, 19, 173, 123, D4, 125, 126		Wurth Electronics	61300211121	Hole, 1 Rows COMN HEADER 3		Through Hole	Digi-Kay	733-5316-ND		
	10 (II)			61300611121	COMM HEADER 6 POS 2 54		Through Hole	Cligi-Kry	723-5219-ND		
					Pluggable Terminal Block, 2 200 V, 17 A K						
	110, 111, 117, 127		Murth Electronics	6913527100028	Terminal Block, 2 300 V, 12 A, 5 Mm, 24 Awg, 12 Awg Bizhs Compliant: No. (Mate to 641312710003) Smm Pilich Right		Free Hanging	Digi-Kay	723-3776-ND		
	112, TH, 118, 128		Murth Electronics	6413127100023	Angle Pluggable Termilliock: PCB Header: Through Hole: 1 Way (Mate to 641252710003)		Through Hole	Digi-Kay	733-3800-NO		
	115, 119, 120, 125, 127, 129, 130, 131		Murth Electronics	491313710002	Angle Pluggable Termilliox: PCB Header: Through Hole: 2 Way (Mate to 641252710002)		Through Hole	Digi-Kay	733-3799-ND		
	116, 121, 122, 126, 128, 122, 123, 124		illur th Electronics	691252710002	Conn Terminal Block F 2 PCS Seen Scrow RA Cable Mount 20A Box (Mate to ASS117790075		Free Hanging	Digi-Key	723-3775-ND	1-1 32000, 10-1 18200, 50-1 02200, 100-0 91400, 250-0 89900, 700-0 80500 (USZI)	
	.09, 140		Skirwin	MID 7021546	poses so 64(3127(0002) 2.54mm (0.17) Plach SE, Vertical PC Tall Socket Assembly, En, 15 contacts FOED IND TSOLN- 1.21A 220MOHM	SIL.	Through Hole	Digi-Key	953-2290-ND		
	ıı	1	Murth Electronics	3407015	Inductors, Fixed, WE-PD 1260 150sH 1.21A 0.230hm	Nombandard	Surface Mount	Digi-Key	723-4023-1-ND		
	L2	1	Wurth Electronics	3447706680	Inductor, Aec COSO, silkh, Shid, 2.3A Rohs Compliant: You			Digi-Key	733-7417706680CT-ND		
	MOVI, MOV2, MOV2, MOV4		MEMET	WC0805K1219620	Compliant: You VC Series SMD 125 °C Low Voltage Multilayer Chip Variator 0805 1204 26995	0805	Surface Mount	Digi-Key	399-13756-1-ND		
	POTI	1	Bourns	SC228-1-103K	120A 36Vdc Ros Trimmer 10X Ohm 25X 1/10W 1(Elec)/1(Mech)T urn (3 X 1 8mm) Foot Print 2MD Embossed T/R PNP1c-1.SA		Surface Mount	Digi-Kay	TC126-1-103ECT-ND		
	on .		MCC	MMC02550 H-TP	PNP1c-15A Visio-25V Min-120-250 IT-100Min Trans MOSFET N- CH46V 11A 3	SOT-23	Surface Mount	Digi-Kay	MMSSESSO H-TPMSCT-ND		
			CRI Somioneductor /	BECOZZECSMA	Trans MOSFET N- CHAIN TIN 3	10-252AA	Surface Mount	Digi-Kay	BFD305SLESMRACT-ND		
	R1, R9, R23, R31		Exirchild Bohm	ESR03E3P1511	Pings-Tabl DPAK Box Thick Film 0623 510 Ohm 5% 1/4W 4/- 200ppm/8C Molded SMD SMD	0603		Digi-Key	RHAE1000KR-ND		
	R2, R10, R29	1	TE Connectivity	CRGCC00005F270R	Paper T/R Ros Thick Film 0905 270 Ohm 1% 0.125W(1/998) +100ppm/C Pad SMD Automotive			Digi-Kay	A1297H2CT-ND		
	R3, R15, R14, R10, R30, R32		Panasonic	ES-PAINEW	SMD Automotive T/R Ros Thick Film 0623 1K Ohm S% 0.25W(1/4W) a200ppm/C Pad SMD Automotive	0603		Digi-Kay	PIREECT-NO		
	R20, R22		Panasonic	EE0-326572000V	a200ppm/C Pad SMD Automotive T/R Res Thick Film 0803 2K Ohm 1% 1/10W a 100ppm/C Motied SMD Developed Contine	0603	Surface Mount	Digi-Kay	P2.08HCT-ND		
					Molded SMD Punched Carrier 1/8 Resistor: Thick Film; Res.27 Globms; Pun-RS; 0.125 W; Tol TS; SMT; 0805; Tape						
	æ	1	Panasonic	ESO-443963 702V	Ros Thick Film	0805	Surface Mount	Digi-Key	P27 DECCT-ND		
	86, 810	1	flageo Pananonic	ACONODER OFFINI ESS-PAINNERY	0. TBIT LYDW) a 100ppm/C Pad SMD Automotive T/R RES SMD 6. BK OHBMSN: 1/2W 0003	0603		Digi-Key Digi-Key	PAGNOZITAD		
-					George Thick Film	-					
	RB, R12, R13	1	Panasonic	ISS-POLITORY	Section 17 JW Section Thick Film Section 5% 5 Section 5% 6 Missing 5MD Punched Carrier 1/R Res Thin Film	0005	Surface Mount	Digi-Kay	P100ADCT-ND		
	R11, R24, R25, R27		Stackpole Bechronics	RNLF0805FTD 10KD	Ros Thin Film 0805 10K Ohm 11K 1/4W +100ppms*C Moided SMD Paper L/R VACCO -	0805	Surface Mount	Digi-Kay	BNCP0805FTD10K0CT-ND		
	R26, R28, R30	1	Hageo	BCD6GSFR-GT2W1	ROBBER STALL RES, THOX FILM, 2K, TK, G TW, 9603 Conv DC-DC 4.5V to 40V Ins/Skip	0603		Digi-Key	311-2.000-BICT-ND		
	REG1	1	Ti National Semiconductor	LMDS4KF-S.O/NOPB	Coru DC-DC 4.5V to 40V ins/Step Corun Single-Out 5V 3A 6- Pin(S+Tab) TD- 263 Tube Low Capacitance CSS Syntamics	10-262	Surface Mount	Mouser	ROS-LINCOSRIGS S.O. NICOPIE		
	TVS1, TVS2		Semiconductor	SESSMOPTISG	Jah Tube Low Capacitance Low Capacitance Low Capacitance Lodes for High Speed Data Lines Single Low- Voltage, Cost- Optimized Rail-1c Rail Output Operational Amplifier 5-6270 Motor Dates SIMPLE SIMP	500-423	Surface Mount	Digi-Kiry	SESSIVIOIP2TSG26CT-ND		
	~	1	Texas Instruments	LMV221ALDOXR	call Output Operational Amplifier 5-5C70 40 to 125	SC70-5/S0T-353	Surface Mount	Digi-Kay	396-53221-1-ND		
	us		Trinamic	TMC2200-LA-T	Motor Driver, Stepper, QFN-28	GFN	Surface Mount	Digi-Kay	1460-1196-1-ND		
	и	1	Secas Indoaments	LADSRECK-TO/NOPE	to 40V, 3A Low Component Count Step-Down Regulator 5-	10-363	Surface Mount	Digi-Key	IMISSIGS 12-NO	_	
	us	,	Texas Instruments	TPSTIESSON/URCI	EGRAN/TO-363 Automotive, 1-A, high-accuracy, adjustable low- dropout (LDO) linear regulator 5 TO-252-40 to 150	10-252	Surface Mount	Digi-Kay	296 TPST8523OKVLROTCT- ND		