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	BN0085	Accelerometer, Gyroscope, Magnetometer, 9	Utt								
		Axis Sensor I2C,	OI I								
		SPI, LIART Output ARM Cortex M4 32- bit MCU+FPU, 210									
		DMIPS, 1024 kB Flash, 192 kB									
	STM32F407VGTBTR	Internal RAM, 82 I/Os, 100-pin LOFP, -40 to 85	U4	1	STMcroelectronics	STM82F407VGTBTR	Volume Production	Mouser	511-STM62F407VGTBTR	11,58	
		LQFP, 40 to 85 degC, Tape and									
		ARMECONOSAES STMSSP1									
	STM32F103C8TB	Microcontroller IC	us	١.							
	SINGEPTUSCOIS	32-Bit 72MHz 64KB (64Kx 8) FLASH 48-	LG.								
		LOFP (N/I)									
		Buffer, Non- Inverting 2 Bernent									
	NC7WZ57P6X	1 Bit per Blement Open Drain Output SC-88 (SC-70-6)	Utto	1							
		SC-88 (SC-70-6)	C25, C26, C27.								
		CAPCERO.1UF	C28, C29, C30, C31, C32, C34,					L	399- CD402C104M9P4C7967C		
	0.1 µF	6.3VX5R0402	C37, C38, C39, C40, C41, C45,	18				DigKey	T-ND		
	0.1uF	CAPCER0.1UF	OS8, OS9, OS2 OS4, OSS					DigKey	732-7513-1-ND		
	0.1µF	10VX7R0402 CAPCER0.1UF	C49	- 1				DigKey	732-7513-1-ND 732-7965-1-ND		
	0.1 µF	16VX7R0803 CAPCER0.1UF 25VX7R0803	C3, C10, C13, C17,	-				DigKey	399-13148-1-ND		
	1µF	CAPCER1UF 6.3V	C21 C33, C42, C46					DigKey	490-10006-1-ND		
		X5R0402 CAPCER1UF10V X7R0402							490- GRM155Z71A105KE01.ICT		
	1µF	X7R0402 CAPCER1UF16V	OS3	,				DigKey	ND		
	1µF	X7R0603 CAPCER2.2UF	C8, C12, C14, C18, C22	5				DigKey	490-12657-1-ND		
	22µF	10V35R0402 CAPCER10UF10V	C35, C36	2				DigKey	732-7490-1-ND		
	10µF	X5R0603 CAPCER10UF16V	C47 C7, C11, C15, C19,	,				DigKey	490-12734-1-ND		
	10µF	X5R0603	C23	- 5				DigKey	311-1822-1-ND 490-		
	10µF	CAPCER10UF25V X5R1206	C1, C2, C3, C4, C5, C6	6				DigKey	490- GRM319R61E106MA12DC T-ND		
	20ρF	CAPCER20FF 10V NP00402	C43, C44	2				DigKey	399-14429-1-ND		
	20pF	CAPCER20FF 10V	C50, C51	,				DigKey	399- C0603C200G8HAC7867C		
		X8R0603		<u> </u>		-			T-ND 399-		
	22ρF	CAPCER229F 10V NP00603	O80, O81	2	1			DigKey	C0903C220KBGAC7967C T-ND	1	
	22µF	CAP CER 22UF 16V X5S0603	C48	,				DigKey	490-		
				<u> </u>	 				CTND 399-		
	47pF	CAPCER47PF25V COG/NP0 0402	C56	L_ ¹				DigKey	CO402C470JBGACAL/TOC T-ND	<u></u>	
	47µF	CAPCER47UF 25V X5R1206 CAPCER10000FF	C16, C20, C24	3				DigKey	490-16268-2-ND		
	10000pF	167/0803	OS7	-				DigKey	587-1094-1-ND		
	0022272041	CONN HEADER VERT4POS	a a	1				DigKey	WM#113-ND		
		2.54MM CONNHEADER									
	302-8201	VERT20POS 2.54MM	æ	1				DigKey	ED10524-ND		
	10033526-N3212LF	USBB5POSSMD	.5	1	AMPHBNOLICC(FO)	10033526-N3212LF	Unknown	DigKey	609-4700-2-ND		
		RA CONN SMAJACK									
	0732511290	STR500HMEDGE MNT CONN 9MARCPT	J	,				DigKey	WM0461-ND		
	0732511150	STR50OHMEDGE MNT	a.	1	ı			DigKey	WM6634-ND		
	8MHz	ORYSTAL 8.0000MHZ20FF	Y1, Y2					DigKey	887-2475-1-ND		
	IONETZ	SMD CRASTAL	11, 12					Ligrary	897-2475-1-ND		
	32.768kHz	32.7680H-Z	13	1	ı			DigKey	535-10104-1-ND		
	MBRS130LT9G	DIODESCHOTRY	D3	1				DigKey	MBRS130LTSG08CT-ND		
	MMS25228C-E3-08	30V2A 9MB DIODE ZENER 3.3V 500MW 90D123	D4	1				DigKey	MM525226C-E3-06GICT- ND		
	BZ84C12T-7-F	01000EZENER12V	D2	1				DigKey	BZ984C12T-7-FDICT-ND		
	1 kOhms @100MHz	150MWSOT523 FERRITEBEAD 1K OHM0402 1LN	FB1	1				DigKey	490-1007-1-ND		
	27nH	CHM0402 1LN FDEDIND 27NH 350MA 0.460HM	LI	,				DigKey	4901.0G15H227NL02DCT ND		
		SMD OvervilliMa							ND		
		General ISM < 1GHz LoRe TM									
	RA-02	Transceiver Module 410MHz – 525MHzArtenne	UP	1							
		Not Included, I-PEX									
		Surface Mount IC REGUNEAR		 	 		-	-			
	LD1117533TR	3.3V800MA SOT223 Li-Pobattery	102	L_ ¹				DigKey	497-1242-1-ND	<u></u>	
	XTSO Connector	U-Pobattery connector	л	1							
		MAXM10 RF Receiver BelDou,									
		Receiver BeiDou, Galileo, GLONASS, GPS, GNSS		1	1			1		1	
	MAXAMIOS-00B	1.575GHz,	UB	1	1			1		1	
		1.602GHz - 167dBm		1	1			1		1	
		921.6kbps Not Included Module Mosfet Array 207									
	DMC2700UDM-7	Mosfet Array 207 1.34A, 1.14A 1.12W Surface	us	,							
		Mount SOT-26									
	BSC027N04LSGA7MA1	MOSFETN-CH-40V 24A/100A/TD9ON	IIC1	,				DigKey	BSC027NO4LSGATMA1CT ND	1	
	2.2 kOhms	RES2.2KOHM 1%	R18, R19, R20, R21, R22	5				DigKey	311-2:20KRCTND		
	10 Ohms	1/16W0402 RES10 OHM5% 1/16W0402	R14	,		İ		DigKey	311-10.RCT-ND		
	10kOhms	RES10KOHM	R6, R13	2				DigKey	13-RP0402BRD0710KLCT- ND		
	10kOhms	0.1%1/16W0402 RES10KOHM 0.1%1/16W0402	Rt7	,				DigKey	INPIO.OKDACT-ND		
	10kOhms	RES10KOHM 0.5%1/10W0402	R5, R7, R9, R10, R16	-				DigKey	2019- RK/3H1ETTP1002DCT-ND		
	30kOhma	RES30KOHM1%	R16 R2, R3, R4	<u> </u>		-			9K/3H1ETTP1002DCT-ND 13-RC0402FR-13904LCT-		
		1/16W0402		3				DigKey	ND		
	100 Ohms	RES100 OHM 0.1% 1/16W0402	Rt 1	,	1			DigKey	RP0402ERD07100RLCT- ND	1	
	100 kOhms	RES100KOHM 0.1%1/16W0402	Re	,				DigKey	13- RP0402BRD07100KLCT-		
		9ES9MD0.OHM		<u> </u>		-		-	ND		
	0 Ohms	JUMPER1/4W	R12	,	1			DigKey	541-3032-1-ND	1	
	10kOhms	DECEMBER 1/MOURT	Rd	,				DigKey	13-AA0603FR-0710KLCT- ND		
	100 kOhms	1% 1/10W0603 RESSMD 100K OHM1% 1/10W	Rt5	,				DigKey	13-AA0603FR07100KLCT		
		0603 RFTXRXMODULE 915MHZ		<u> </u>	-	1	1	Ľ	ND		
			US	L¹				L		<u></u>	
	RA-06H-915			_			1	DigKey	1-1977223-0-ND		
	RA-08H-915 1-1977223-9	SMTCHTACTLE SPST-NO0.05A	S1, S2	2							
	1-1977223-9	SWITCH TACTILE SPST-NO0.05A 24V TERMBLOCKHOR		2							
	1-1977223-9	SMICH TACTILE SPST-NO0.05A 24V TERMELOCKHOR 2POS100EG 3.5MM	81, 82 .E. JS, JF	3				DigKey	WMF770-ND		
	1-1977223-9	SMICHTACTILE SPST-NO0.05A 34V TERMBLOCKHOR 2POSNOBS		3				DigKey DigKey	WMF770-ND P49M418A-E5/61 GICT- ND		