

Line #	Designator	Description	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Quantity	Supplier Unit Price 1	Supplier Subtotal 1	Name	Revision ID	Revision Status	Manufacturer Lifecycle 1
		HIROSE(HRS) - U.FL-R-SMT-											
	A1	1(10) - RF COAXIAL, U.FL,			Digi-Key	H11891TR-ND	1			U.FL-R- SMT-			
		STRAIGHT JACK, 500HM								1(10)			
	D1	DIODE SCHTKY 40V 500MA			Digi-Key	SDM05U40CSP-7DIDKR-	1			SDM05U4			
		X3WLB1006 Thick Film				ND				OCSP-7			
	R4	Resistors - SMD Anti			Digi-Key	2019- RK73H1ERTTP10R0FCT-	1			RK73H1E RTTP10R			
		Sulfur 0.5 Tol. 0402 -55oC to 155oC			, ,	ND				OF			
		Res General Purpose Thick											
	R2	Film 0603 10K Ohm 1%			Digi-Key	311-10.0KHRCT-ND				RC0603F			
	nz	1/10W ±100ppm/*C			bigi-key	311-10.0KHKC1-ND				R-0710KL			
		Molded SMD Paper T/R YAGEO -											
		RC0603FR- 073K3L - SMD											
	R1	Chip Resistor, 0603 [1608			Diel Verr	311-3.30KHRDKR-ND				RC0603F			
	кі	Metric), 3.3 kohm, RC			Digi-Key	311-3.3UKPIKUKK-NU	'			R-073K3L			
		Series, 75 V, Thick Film, 100											
	R3	mW RES SMD 1K OHM 1%			Digi-Key	311-1.00KHRCT-ND	1			RC0603F			
		1/10W 0603 series RF			yy		<u> </u>			R-071KL			
	U3	Receiver GLONASS,			Digi-Key	672-NEO-7M-0CT-ND	١,			NEO-7M-			
		GNSS, GPS 1.575GHz -			yy		l '			0			
	BAT1	161dBm BATTERY LITHIUM 3V			Mouser	628-ML414H-IV01E	,			ML414H-			
		RECHARGE				THE PERSON NAMED IN COLUMN NAM				IV01E			
		Linear Voltage Regulator IC Positive Fixed								MIC5205-			
	U1	1 Output 3.3V 150mA SOT-23			Digi-Key	576-1259-1-ND	1			3.3YM5- TR			
		5 IC AMP LOW								MAX2659			
	U4	NOISE 6-UDFN Headers &			Mouser	700-MAX2659ELT+T	1			ELT+T			
	J2	Wire Housings 04 SIL			Digi-Key	952-3273-ND				M20-			
	32	VERTICAL PIN HEADER GOLD			Digi-key	952-3273-ND	'			9730445			
		IND 22NH								LOWING			
	L1	500MA 170MOHM SMD 22nH			RSComponen ts	7242933	1			LQW18A N22NG00 D			
		0.5A ±2% 0603 Inductor RF											
		Chip Multi- Layer 0.0068uH 5%											
	L2	100MHz 8Q-			Newark	39T4607	1			L- 07C6N8J			
		Factor Ceramic 0.25A 0.320hm DCR								V6T			
		0402 T/R MURATA -											
		GRM21BR61E1 06MA73L -											
		SMD Multilayer								GRM21B			
	C3, C7	Ceramic Capacitor, 10			Digi-Key	490-10748-1-ND	2			R61E106 MA73L			
		μF, 25 V, 0805 [2012 Metric], ± 20%, X5R,											
		GRM Series CAP CER 1UF								CL21B105			
	C1, C2, C4, C6	16V X7R 0805			Digi-Key	1276-2930-1-ND	4			KOFNFN E			
	C9	Cap Cer 0603 470PF 10V			Digi-Key	399- C0603C471F8HAC7867CT-	1			C0603C47 1F8HAC7			
	C5	Ultra Sta Cap Cer 0.1uF			Digi-Key	ND 399- C0603C104K5RAC7082CT-	١,			867 C0603C10 4K5RAC7			
		50V 0603 10%				ND 399-	<u> </u>			082 00603010			
	C10	Cap Cer 0.1uF 50V 0603 10%			Digi-Key	C0603C104K5RAC7082CT- ND	1			4K5RAC7 082			
	D2	LED YELLOW CLEAR 2SMD			Digi-Key	754-1947-1-ND	1			APTD160 8LSYCK/J			
		Rf Coax Conn, Sma R/a Jack,								3-17			
	J1	50 Ohm, Pcb Rohs			Digi-Key	732-13833-ND	1			60311002 114501			
		Compliant: Yes											
	USB1	CONN USB MICRO B			Digi-Key	609-4048-1-ND	1			10103592-			
		RECPT SMT R/A			- '					0001LF			
		0603 82 pF 50 V ±1%											
	C8	Tolerance COG/NPO Surface Mount			Digi-Key	478-10339-1-ND	1			06035A82			
		Surface Mount Multilayer Ceramic								OFAT2A			
		Capacitor											
		EEPROM Serial 2Wire 32K-bit 4K x 8	1							24AA32A-			
	U2	4K x 8 1.8V/2.5V/3.3 V/5V 8-Pin			Newark	12P4257	1			24AA32A- I/SN			
		SOIC N Tube											