

Množství	Sklad	Hodnota	Název	Pouzdro	Součástky
1	0	STM32H750VBT6	STM32H750VBT6	LQFP100-14X14	U1
1	0	BMP280	BMP280	BMP280	B1
1	5	ESP-12E/F	ESP-12E/F	ESP-12E	U6
1	1	GY-NEO6MV2	GY-NEO6MV2	GY-NEO6MV2	B6
1	1	ICM-20948	ICM-20948	ICM-20948	B2
3	5	BF350	BF350	BF350	B3, B4, B5
1	1	ENC-03	ENC-03RC	ENC-03RC	Q2
1	0	MCP6V51T-E/MS	\	MSOP8	U9
1	0	LP324DRG4	LP324DRG4D14	SOIC-14	U8
1	0	24MHz	OSCILLATOR	SMD-7X5-4PAD	Y1
1	0	LM317SX/NOPB	LM317SX/NOPBTS3B	TO-263-3	U4
1	0	LD1117DT50	LD1117DT50TRDPAK	TO-252-3	CR1
2	0	LD1085D2M-R	LD1085D2M-RD2PAK	TO-252-3	U2, U3
1	0	BSS316N-H6327	MOSFET-NCHANNEL	SOT23-3	Q3
1	0	BC817	BC817-16LT1SMD	SOT23-BEC	Q1
1	0	1N4148	DIODESOD123	SOD-123	D16
2	0	3V6	DIODE-ZENER	SOD-123	D14, D15
1	0	10V	VARISTORCN0805	CT/CN0805	MOV1
1	0	TVSSMA	TVSSMA	SMA-DIODE	D7
1	0	10V/5.5A	PPTC_6V2A	PPTC-1210	PPTC1
1	0	red	LED-1206	LED-1206	D11
2	0	blue	LED-1206	LED-1206	D5
4	0	orange	LED-1206	LED-1206	D9, D10, D12, D13
4	0	green	LED-1206	LED-1206	D1, D2, D3, D4
1	0	yellow	LED-1206	LED-1206	D6
2	0	100k	R-EU_R0603	R0603	R48, R59 R14, R15, R16, R17, R27, R29, R30, R32,
15	0	10k	R-EU_R0603	R0603	R36, R39, R40, R49, R50, R51, R52
2	0	12k	R-EU_R0603	R0603	R38, R42
2	0	150R	R-EU_R0603	R0603	R1, R4

9	0 1K	R-EU_R0603	R0603	R10, R19, R20, R21, R25, R26, R28, R57
6	0 1K5	R-EU_R0603	R0603	R7, R18, R31, R34, R35, R54
2	0 1K8	R-EU_R0603	R0603	R3, R6
7	0 22R	R-EU_R0603	R0603	R11, R12, R13, R22, R23, R24, R58
1	0 240R	R-EU_R0603	R0603	R8
1	0 390R	R-EU_R0603	R0603	R9
4	0 47k	R-EU_R0603	R0603	R44, R45, R46, R47
2	0 4k7	R-EU_R0603	R0603	R55, R56
2	0 560R	R-EU_R0603	R0603	R2, R5
2	0 6k8	R-EU_R0603	R0603	R33, R43
1	0 59k (75k, 90k)	R-EU_R0603	R0603	R53
1	0 7k5	R-EU_R0603	R0603	R37
1	0 9k1	R-EU_R0603	R0603	R41
				C4, C11, C12, C13, C14, C15, C18, C20,
15	0 100n	C-EUC0603K	C0603K	C21, C22, C23, C25, C29, C33, C36
1	0 1u8	C-EUC0805K	C0805K	C28
2	0 2u2	C-EUC0603K	C0603K	C16, C17
2	0 4u7	C-EUC0603K	C0603K	C26, C27
9	0 10u	10UF10V10%(0805)	0805-CAP	C2, C3, C5, C7, C9, C19, C24, C30, C31
1	0 680u	CPOL-EUTT2D7L	TT2D7L	C1
1	0 330u	CPOL-EUTT2D7L	TT2D7L	C32
3	0 10u Tant	CPOL-EUCT3216	CT3216	C6, C8, C10
3	0 10uH	INDUCTOR0603	R0603	L1, L2, L3
1	0 MICROSD	MICROSD-PUSH-OUT	MICROSD	U5
1	0 piano	A6FR-4101SW	A6FR-4101	PIANO
2	0 button	B3FS-1000SW	B3FS-1000	BTN1, RESET
1	0 BUZZERPTH	BUZZERPTH	BUZZER-12MM	BUZZER
1	0 USB-MINIB-5PIN	USB-MINIB-5PIN	USB-MINIB	USB
1	0 S2B-PH-K-S	S2B-PH-K-S	CONN_S2B-PH	PWR-B
4	0 S2B-XH-A	S2B-XH-A	CONN_S2B-XH	MAG
4	0 S3B-XH-A	S3B-XH-A	CONN_S3B-XH	SRV1-A, SRV1-B, SRV2-A, SRV2-B
1	0 XT30PW-M	XT30PW-M	XT30PW-M	PWR-A

## IGBS Rocket v2 (rev1)

Popis	Výrobce	Cena	Objednací číslo
MCU	STM	300 Kč	Aliexpress
Modul - Barometr	Bosch	21 Kč	Aliexpress
Modul - ESP WiFi	Espressif	32 Kč	Aliexpress
Modul - GPS	U-blox	68 Kč	Aliexpress
Modul - IMU 9-DOF	InvenSense	471 Kč	Aliexpress
Modul - Tenzometr	čina	42 Kč	Aliexpress
Gyroskop (analogový 1-osý)	Murata	115 Kč	775-043
OP Amp (1 kanál, nulovaný)	Microchip	43 Kč	579-MCP6V51T-E/MS
OP Amp (4 kanál, standard)	TI	16 Kč	595-LP324DRG4
Oscilátor	IQD	40 Kč	449-LFSPX0018541REEL
Regulátor - 3.3 V	STM	57 Kč	LM317SX/NOPB
Regulátor - LDO 5V	STM	15 Kč	511-LD1117DT50-TR
Regulátor - LDO 6V	STM	37 Kč	LD1085D2M-R
Tranzistor (N-MOSFET)	Infineon	10 Kč	726-BSS316NH6327XT
Tranzistor (NPN)	NXP	5 Kč	771-BC817-40-T/R
Dioda	Vishay	8 Kč	78-1N4148W-G3-08
Zenerova dioda	NXP	6 Kč	771-BZT52-B3V6X
Varistor	AVX	9 Kč	581-VCUG080100L1DP
TVS (transil)	Diodes Inc.	11 Kč	621-SMAJ12AQ-13-F
Resetovatelná pojistka (PPTC)	Bourns	19 Kč	652-MF-USML250-2
LED (červená) - app 3	Kingsbright	7 Kč	604-APTR3216SURCK
LED (modrá) - app 1,4	Kingsbright	11 Kč	604-APT3216LVBCD
LED (oranžová) - baterie	Kingsbright	6 Kč	604-APTR3216SECK
LED (zelená) - PSU	Kingsbright	9 Kč	604-APTR3216CGCK
LED (žlutá) - app 2	Kingsbright	11 Kč	604-APTR3216SYC
Rezistor (1%)	Bourns	2 Kč	652-CR0603-FX-103ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-1002ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-1202ELF
Rezistor (1%)	Vishay	2 Kč	71-CRCW0603150RFKEBC

Rezistor (1%)	Vishay	2 Kč	71-CRCW06031K00FKEAC
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-1501ELF
Rezistor (1%)	Vishay	2 Kč	71-CRCW06031K80FKEAC
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-22R0ELF
Rezistor (1%)	YAGEO	2 Kč	603-RC0603FR-13240RL
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-3900ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-4702ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-4701ELF
Rezistor (1%)	YAGEO	2 Kč	603-RC0603FR-07560RL
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-6801ELF
Rezistor (1%) - Gyro Amp	Bourns	2 Kč	652-CR0603FX-5902ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-7501ELF
Rezistor (1%)	Bourns	2 Kč	652-CR0603FX-9101ELF
Kondenzátor (MLCC) X7R 50V	AVX	2 Kč	581-06035C104KAT2A
Kondenzátor (MLCC) X7R 16V	Kemet	16 Kč	80-C0805C185K4R
Kondenzátor (MLCC) X7R 16V	Samsung	3 Kč	187-CL21B225KOFNFNE
Kondenzátor (MLCC) X7R 16V	Murata	4 Kč	81-GRM21BR71C475KE1L
Kondenzátor (MLCC) X7R 16V	Murata	4 Kč	81-GRM21BR61C106KE5K
Kondenzátor (polarizovaný)	Rubycon	12 Kč	232-16ZLH680MEFC8X16
Kondenzátor (polarizovaný)	Panasonic	11 Kč	667-ECE-A0JKS331
Kondenzátor (Tantal)	AVX	13 Kč	581-TCJA106M010S0300
Tlumivka	Kemet	10 Kč	80-L0805R100MDWST
Slot pro mikro-SD kartu	čína	5 Kč	Aliexpress
Piáno (4-kanál)	Omron	29 Kč	653-A6FR-4101
Tlačítko	Omron	6 Kč	B3FS-1000
Buzzer (piezo, 12mm)	CUI	37 Kč	490-CMI-1275C-050
USB konektor (mini)	GCT	15 Kč	640-2665RBHM15STB00A
JST konektor (baterie)	JST	5 Kč	Aliexpress
JST konektor (magnet, 3 tenz.)	JST	5 Kč	Aliexpress
JST konektor (serva)	JST	5 Kč	Aliexpress
XT30 konektor (baterie)	AMASS	15 Kč	XT30PW-M

## Odkaz

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