





[NoValue],	alue], citor, alue], C1, C2, C3, C4, C6, C1 C16, C20, C22, C23, C C7, C8 citor ed. dill), citor ed. C9, C15, C21, C24, C2	27 0805 0603	cap 100nF, cap 2001, c	11 2 6 1 1 2 3 1 1 1 1 1
Cap Capacitor Polarized Capacitor Radial), [NoValu Polarized Capacitor (Radial), [NoValu Polarized Capacitor (Radial), Polar	C7, C8 iter itel, iter itel, iter id il), iter id ite	0603 1210 LED-3MM SOT-23_N PowerDI-123 LED-3mm CON2S_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	Cap Cap Pol1, cap 100nF, Cap Pol1, Cap Pol1, Cap Pol1, Cap Pol1 LED_3MM Diode Zener 3br DIODE SCHOTIKY LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	2 6 1 2 3 1 1 1 1 1
Polarized Capaci (Radial), [NoValu Polarized Capaci (Radial), Polarized Capacitor (Radial), Polarize Capacitor (Radial), Polarize Capacitor (Radial), Polarize Capacitor (Radial), Polarize Vert S.1V DFLS240L-7 Rouge CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	itor (ie), (itor (ie), (itor (ie)), (itor (id)), (itor (id)) (itor	5, 1210 LED-3MM SOT-23_N PowerDI-123 LED-3mm CON25_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	Cap Pol1, cap 100nF, Cap Pol1, Cap Pol1, Cap Pol1, Cap Pol1 LED_3MM Diode Zener 3br DIODE SCHOTIKY LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	1 2 3 1 1 1 1 1 3
vert 5.1V DFLS240L-7 Rouge CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	com. D1, D2 D3, D4, D5 Def. J1 J2 J3 J4, J5, J11 J6 J7	LED-3MM SOT-23_N PowerDI-123 LED-3mm CON2S_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	LED_3MM Diode Zener 3br DIODE SCHOTTKY LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	1 2 3 1 1 1 1 1 3
5.1V DFLS240L-7 Rouge CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	D1, D2 D3, D4, D5 Def. J1 J2 J3 J4, J5, J11 J6 J7	SOT-23_N PowerDI-123 LED-3mm CON25_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	Diode Zener 3br DIODE SCHOTIKY LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	2 3 1 1 1 1 1 3
DFLS240L-7 Rouge CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	D3, D4, D5 Def. J1 J2 J3 J4, J5, J11 J6 J7	PowerDI-123 LED-3mm CON25_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	DIODE SCHOTIKY LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	3 1 1 1 1 1 3
Rouge CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	Def. J1 J2 J3 J4, J5, J11 J6 J7	LED-3mm CON2S_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	LED_3MM CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	1 1 1 1 3
CON2 Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J1 J2 J3 J4, J5, J11 J6	CON2S_508 CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	CON2 CON3 HE10_14 CON5 Bluetooth JY-MCU	1 1 1 3
Sorties analogiques HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J2 J3 J4, J5, J11 J6 J7	CON3_254 HE10_14 con5_254 Bluetooth JY-MCU HE10_24	CON3 HE10_14 CON5 Bluetooth JY-MCU	1 1 3
HE10_14 CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J3 J4, J5, J11 J6 J7	HE10_14 con5_254 Bluetooth JY-MCU HE10_24	HE10_14 CON5 Bluetooth JY-MCU	1 3
CON5 Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J4, J5, J11 J6 J7	con5_254 Bluetooth JY-MCU HE10_24	CON5 Bluetooth JY-MCU	3
Bluetooth JY-MCU Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J6 J7	Bluetooth JY-MCU HE10_24	Bluetooth JY-MCU	
Conf HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J7	HE10_24		1
HE10_10 Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k			HE10_24	
Entrées analogiques CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	18	HE10 10		1
CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	טיון		HE10_10	1
CON2 CON6 I2C Prog 10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J9	CON3_254	CON3	1
I2C Prog 10μH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J10	CON2 254	CON2	1
Prog	J12	con6_254	CON6	1
Prog	J13	con3_254	CON3	1
10µH Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	J14	CON5_254 _1F	CON5	1
Power 20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	L1, L2	CMS-size 43	SELF-NOYEAU	2
20MHz Crystal Oscillator 10k 1.5k 220 330 100k 33k 19.1k	LD1	LED-3mm	LED_3MM	1
10k 1.5k 220 330 100k 33k 19.1k		XTAL1	XTAL	1
220 330 100k 33k 19.1k	R1, R2, R3, R4, R12, R13, R14, R15	0603	RES2	8
330 100k 33k 19.1k	R6, R7, R11	0603	RES2	3
100k 33k 19.1k	R8, R9	0603	RES2	2
33k 19.1k	R10	0603	RES2	1
19.1k	R20, R21, R23, R24	0603	RES2	4
	R22	0603	RES2	1
	R25	0603	RES2	1
	Reset	CON2_254	CONF_1	1
10k	RR1, RR2, RR3	rr8-10cms	RR8-10	3
PIC24FJ64-transmit	U1	TQFP64-P-1010-0.50- K_M	PIC24FJ64-transmit	1
MCP47FEB12		TSSOP - 8	MCP47FEBxx	1
XBEE-1	U2	XBEE-1	XBEE-1	1
MP2459	U2 U3	sot23-6	MP2459	2
Low-Power, Slew Limited RS-485/R MAX485CSA Transceiver	U3			1
TLV2372IDR	U3 U4, U5 v-Rate-	NSO8_N	MAX485CSA	
	U3 U4, U5 v-Rate- RS-422	NSO8_N NSO8_N	MAX485CSA LF353	1