BILL OF MATERIALS

NANO RITMO - JORGE GUTIÉRREZ

16-Diciembre-2017

MAKERS UPV

Level	Description	Qty	Reference	Manufacturer	MPN	Footprint
1	NANO-Ritmo Box	1	NANO-RITMO	-	-	
2	DC Plug	1	DC Plug	-	-	
2	Cap Ceramic 22pF 10V C0G 10% -55C to 125C 1206	2	C1 C2	Vishay	VJ1206A220KXQPW1BC	Resistors_SMD:R_1206_HandSoldering
2	Cap Ceramic 1uF 10V X6S 20% -55C to 105C 1206	4	C3 C4 C5 C6	Vishay	VJ1206V105MXQTW1BC	Resistors_SMD:R_1206_HandSoldering
2	Cap Al 1uF 50V 20% -40C to 105C D4mmH5.5mm	1	C7	Panasonic	NFM41PC155B1E3L	Capacitors_SMD:CP_Elec_4x4.5
2	Cap Ceramic 100nF 10V X7R 10% -55C to 125C 1206	1	C8	Kemet	C1206C104K5RACTU	Resistors_SMD:R_1206_HandSoldering
2	Diode LED Red 1206	3	D1	Kingbright	APT3216EC	Resistors_SMD:R_1206_HandSoldering
2	Diode LED Green 1206		D2	Kingbright	APT3216SGC	Resistors_SMD:R_1206_HandSoldering
2	Diode LED Yellow 1206		D3	Kingbright	APT3216YC	Resistors_SMD:R_1206_HandSoldering
2	Diode GenPurp 100V 300mA SOD123	1	D4	Diodes Incorporated	1N4148W-7-F	Diodes_SMD:D_SOD-123
2	IC MCU ATMEGA328P 8bit 32KB Flash 20Mhz 32LQFP	1	IC1	Microchip	ATMEGA328P-AU	Housings_QFP:LQFP-32_7x7mm_Pitch0.8mm
2	Conn DC Jack 2-pin 6.5mm 2.5A Male Black PTH	1	J1	CUI	PJ-037A	Connectors:BARREL_JACK
2	Conn Jack Audio 3-pin 3.5mm Female Black SMD	1	J2	CUI	SJ-3523-SMT-TR	SHIELD_ARDUINO:Jack-CUI
2	Res Thick 0ohm Jumper 1/4W -55C to 155C 1206	1	JP1	-	-	Resistors_SMD:R_1206_HandSoldering
2	Conn 8-pin 2.54mm pitch Single Row Vertical PTH	1	P1	-	-	Pin_Headers:Pin_Header_Straight_1x08_Pitch2.54mm
2	Res Thin 1K 5% 1/4W -55C to 155C 1206	4	R1 R3 R4 R5	Vishay	CRCW12061K00JNEA	Resistors_SMD:R_1206_HandSoldering
2	Res Thin 10K 1% 1/4W -55C to 155C 1206	1	R2	Yageo	RC1206FR-0710KL	Resistors_SMD:R_1206_HandSoldering
2	Potentiometer 10K 20% 20mm Panel Mount PTH	2	RV1 RV2	ALPS	RK09K1130A5R	Potentiometers:Potentiometer_Alps_RK09K_Horizontal
2	Push-button Round 6mm SPST NO 50mA	2	SW1 SW1	TE Connectivity	FSM4JH	Buttons_Switches_THT:SW_PUSH-12mm
2	Switch 2 Position SPDT 100mA	1	SW3	C&K Components	0S102011MS2QN1	SHIELD_ARDUINO:Switch
2	Push-button Round 12mm SPST NO 50mA	4	SW4 SW5 SW6 SW7	C&K Components	PTS125SK43-2LFS	Buttons_Switches_THT:SW_PUSH-12mm
2	Reg Lin 5V 1.5A TO-252	1	U1	STMicroelectronics	L7805CDT-TR	TO_SOT_Packages_SMD:TO-252-2
2	Quartz Crystal 16MHz 30pF 30ppm -40C to 85C SMD	1	Y1	IQD	LFXTAL003240Bulk	Things:Resonator-2pin_w10.0mm_h5.0mm
2	NANO-Ritmo Raw Card	1	PCB1	AllPCB	Custom	-