

BILL OF MATERIALS

PROJECT ML01
VERSION ML01v01RevB
DATE 27.01.2026

 RELEASE255®

ID	COMPONENTS	QTY	SCHEMATIC ITEM	FOOTPRINT	MANUFACTURER	MANUFACTURER ID
01	RASPBERRY PICO 2W RP2350 THT	1	RP2350	Module_RaspberryPi_Pico:RaspberryPi_Pico_Common_THT	RASPBERRY	SC1634
02	TPIC6B595N – POWER SHIFT REGISTER	2	U1, U2	Package_DIP:DIP-20_W7.62mm	TEXAS INSTRUMENTS	TPIC6B595N
03	LED 5MM YELLOW 2500 MCD 60DEG	16	D1 to D16	LED_THT:LED_D5.0mm_Clear	HUIYUAN	5034Y1D-ESB-E
04	METAL FILM RESISTOR 160Ω THT 1% 0.6W	16	R1 to R16	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal	YAGEO	MF0207FTE52-160R
05	CERAMIC CAPACITOR X7R 100nF THT 10%	7	C1 to C7	Capacitor_THT:C_Disc_D5.0mm_W2.5mm_P2.50mm	MURATA	RDER71H104K0S1H03A
06	ELECTRO RADIAL CAPACITOR 100µF Ø06.30 H11.20	1	C8	Capacitor_THT:C_Radial_D6.3mm_H11.0mm_P2.50mm	PANASONIC	EEUFR1E101B
07	RESETTABLE FUSE PTC 750 mW - 770 mOhm	1	F1	Fuse_Bourns_MF-R050:Fuse_Bourns_MF-R050	BOURNS	MF-R050
08	PUSH BUTTON 6x6 H5 1.6N BROWN	2	SW1, SW2	Button_Switch_THT:SW_PUSH_6mm_H5mm	DIPTRONICS	DTS-62N
09	POWER SUPPLY 12.5W 5.1V 2.5A MICRO USB	1	-	-	RASPBERRY	KSA-13B-051250-HE/EU
10	PCB ML01 THT	1	-	-	RELEASE255	ML01v01RevB-pcb
11	STAND FOR PCB (to be printed according to 3D file)	1	-	-	RELEASE255	ML01-pcbstand-v01

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