

RL78/L1A Smart Blood Pressure Monitor

BOM list

Designator	Quantity	Part Number	Manufacturer	Description
C1, C2, C3*, C4, C14	5	GRM188R61C105KA12D	Murata	Capacitor (1uF,16V, ±10%, 0603)
C5	1	GRM216C81C105KA12D	Murata	Capacitor (1uF,16V, ±10%, 0805)
C6, C7, C8	3	GRM219R71C474KA01D	Murata	Capacitor (0.47uF,16V, ±10%, 0805)
C9, C10	2	GRM21A5C2E220JW01D	Murata	Capacitor (22pF,250V, ±5%, 0805)
C11, C12, C13	3	GRM219R71C104KA01D	Murata	Capacitor (0.1uF,16V, ±10%, 0805)
CN1	1	MJ-180PH	MULTICOMP	Power supply connctor(5.5x2.1mm)
CN3	1	-	-	LCD 4 COM x 8 SEG
CN4	1	146850	TE Connectivity	Header 2x1, 2-Pin, 2.54mm
CN5	1	24 5602 024 000 829H+	KYOCERA Connector Products	RL78/G1D BLE Module Socket
D1, D2, D3, D4	4	SS14	ON Semiconductor	Schottky Rectifier (DO-214AC)
E1	1	2514-6002UB	3M Limited	Header 7x2, 14-Pin, 2.54mm
J1, J2	2	146850	TE Connectivity	Header 2x1,2-Pin, 2.54mm
LED0	1	XZMDK53W-1	SunLED	LED (Red, 0603,SMD)
LED1	1	XZMYK53W-1	SunLED	LED (Yellow, 0603, SMD)
LED2	1	XZCBD53W-1	SunLED	LED (Blue, 0603, SMD)
P2	1	440055-2	TE Connectivity	Header, 2-Pin, 2mm
Q1, Q2, Q3, Q4, Q5	5	DTC114YUAFRA	ROHM	NPN transistor (50V, 100mA, SOT-23)
R1, R2	2	ERA3AEB104V	Panasonic	Resistor (100KΩ, ±0.1% 0603)
R3*, R5, R7	3	ERJ3GEYJ103V	Panasonic	Resistor (10KΩ, ±5% 0603)
R4, R6, R10, R11, R12	5	ERJ3GEYJ102V	Panasonic	Resistor (1KΩ, ±5% 0603)
R8, R9	2	ERJ3GEYJ472V	Panasonic	Resistor (4.7KΩ, ±5% 0603)
R13, R14	2	ERJ6GEYJ102V	Panasonic	Resistor (1KΩ, ±5% 0805)
R15	1	ERJ6GEY0R00V	Panasonic	Resistor (0Ω, 0805)
SW1	1	1571563-4	TE Connectivity	Push switch(6x6mm SMD)
SW2	1	MSK-1102	Homyet Parts	Toggle switch
TP1, TP2	2	-	-	Test point (Φ0.9mm)
TR1*	1	SI2301-TP	Micro Commercial Components	P-Channel MOSFET(SOT-23)
TR2, TR3	2	IRLML6402PbF	Infineon(International Rectifier)	P-Channel MOSFET(SOT-23)
U1	1	R5F11MMF	Renesas	RL78/L1A (LQFP-80)
U2	1	XC6206P332MR	Torex Semiconductor Ltd	REG LDO 3.3V 0.15A (SOT23-3)
U4	1	ABPDANN005PG2A3	Honeywell	ABP series pressure sensor
X1	1	ABS07-32.768KHZ-T	ABRACON	32.768KHZ, SMD, 3.2mm x 1.5mm

*: Not mounted