

Bill Of Materials / nomenclature

NPR 70 modem v05

	Designation	Supplier or distributor	Distributor ref.	Inclusive tarif Tarif TTC €	Quantity	Sub total €
	PCB	JCL PCB		2.00	1	2.00
	Enclosure / boitier Custom by Funtronics Or Tekko 3A 72x102x28mm			5.00	1	5.00
	Rubber feet 11mmx5mm	Conrad	525774	0.23	4	0.92
	Standoff, M3x5mm, Male-Female	Farnell	2494585	0.36	5	1.82
	Toggle switch multicomp 1MD1T1B1M1RE	Farnell	9473521	3.06	1	3.06
	LM2596 voltage regulator Module	Itead, Bangood		3.00	1	3.00
	RF4463F30 radio module	NiceRF	RF4463F30	10.00	1	10.00
	STM Nucleo STM32L432KC	Farnell	2580786	11.35	1	11.35
	USR-ES1 (W5500 module)	AliExpress		8.00	1	8.00
	LED 3mm 60° 20mA RED	Conrad	184282	0.18	2	0.36
	LED 3mm 60° 20mA YELLOW	Conrad	1573698	0.18	1	0.18
	LED 3mm 60° 20mA GREEN	Conrad	1573700	0.18	1	0.18
	SMA connector 90° through hole	Farnell	2293854	5.80	1	5.80
C2, C3, C5 to C9, C13 to C16	capacitor X7R 100nF package 1206	Farnell	718646	0.18	11	1.98
C10	SMD Tantalum Capacitor, 47 µF, 10 V, 1210 ESR 0.35Ohms	Farnell	1432591	0.73	1	0.73
C1	SMD Tantalum capacitor 100 µF, 4 V, 1206 ESR 0.50hms	Farnell	2529101	0.90	1	0.90
C11	SMD Tantalum capacitor 220 µF, 6.3 V, 2312 ESR 0.10hms	Farnell	1432601	1.08	1	1.08
C12	tantalum capacitor 220uF 10V package 2917 ESR 0.125Ohms	Farnell	9229280	1.87	1	1.87
	L4940V5 5V voltage regulator	Farnell	9756060	1.39	1	1.39
	LM2937ET-3.3 3.3V voltage regulator or LF33CV	Farnell Farnell	8207305 9755322	1.02	1	1.02
R1	0 Ohm resistor. Package 0805 Can be a simple wire.			0.00	1	0.00
R2 to R7	R 10kOhm SMD package 0805	Farnell	9237755	0.05	6	0.30
R8 to R11	R 120Ohm SMD package 0805	Farnell	1652914	0.05	4	0.20
R8, R9, R11	R 4700hm SMD package 0805 if you use the LEDs provided by funtronics/elekisorparts	Farnell		0.05	3	0.15
R10	R 1.5kOhm SMD package 0805 if you use the LEDs provided by funtronics/elekitsorparts	Farnell		0.05	1	0.05
R12	R 3.9kOhm SMD package 0805	Farnell	2057713	0.05	1	0.05
	23LC1024 SRAM SPI package SOIC8	Farnell	2212150	2.16	1	2.16
D1	Shottky diode STPS2L60A package D0214AC	Farnell	1702810	0.42	1	0.42
T1	BC847B Transistor NPN SOT-23	Farnell	1574343	0.13	1	0.13

grand total inclusive/TTC €	64.11
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Distributor and prices given just for example. No price optimization.