

802.15.4 Transceiver Active Device List

Reference	Qty	Description / Function	Manufacturer	Part Number
U1	1	IEEE 802.3af Embedded Device Server, Serial-to-Ethernet w/TCP/IP	Lantronix, Inc.	XPORT/AR
U2	1	Power over Ethernet IEEE 802.3af PD Interface w/Integrated Switching Reg	Linear Technology	LTC4267IGN
U3	1	Opto-Isolation Coupler with NPN, 1-Channel	NEC-CEL	PS2501L-1
U4	1	Low-Volt Adjustable Shunt Regulator	Texas Instr.	TLV431IDBVR
U5	1	XPort Compact RJ45 Embedded Device Server, Serial-to-Ethernet w/TCP/IP (Alternative to U1)	Lantronix, Inc.	XP1001000-03
U6	1	AT91FR40162-CI processor 121-ball BGA	Atmel	AT91FR40162-CI
U7	1	66.666MHz miniature crystal clock oscillator	ECS	ECS-3953M-666-BN-TR
U8, U19	2	Dual Buffer/Driver w/OD Output	Texas Instr.	SN74LVC2G07DBVR
U9	1	Ultra-low Supply-Voltage Supervisory Circuit	Texas Instr.	TPS3106K33DBVR
U10	1	2.4GHz IEEE 802.15.4 / Zigbee RF Transceiver	Chipcon	CC2420
U11, U12, U13	3	LM317A 3-Terminal Adjustable Regulator	National Semi	LM317AEMP
U14, U16	2	Dual 4:1 Data Selector/Multiplexer	Texas Instr.	CD74AC153M96
U15	1	Hex Inverter	Texas Instr.	SN74LVC04ADBR
U17	1	Quad 2-Input Positive AND Gate	Texas Instr.	SN74LVC08ADBR
U18	1	SN74LVC07AD HEX buffer	Texas Instr.	SN74LVC07AD
U20	1	MAX3223EEAP 15kV ESD-Protected, 1uA, 3.0V, 250kbps RS-232 Transceiver	Maxim	MAX3223EEAP
Y1	1	16.000 MHz 16pF 60 Ohm ESR ± 30 ppm ultra miniature ceramic surface mount crystal	Abracon Corp.	ABM3-16.0000MHz-16-R050-B-4-H-T