

Qty	DNS	Reference	Manufacturer	Manufacturer part #	Description	Digi-Key #	Part Name
2		C1-2	Nichicon	UWT1C100MCL1GB	Capacitor, aluminum electrolytic, 10uF 16V +/-20%, 4mm dia, 4.3mm base	493-2173-1-ND	CAP_LYTIC_SIZEB_10UF_16V,10uF 16V
1		C3	Samsung	CL10F105ZP8NNNC	Capacitor, ceramic, 1.0uF 10V -20/+80% Y5V, 0603 package	1276-1041-1-ND	CAP_0603_1.0UF_10V_-20%/+80%,1.0uF 10V
11		C4 C8 C28-31 C33-37	Samsung	CL05B104KO5NNNC	Capacitor, ceramic, 0.1uF 16V +/-10% X7R, 0402 package	1276-1001-1-ND	CAP_0402_0.1UF_16V_10%,0.1uF 16V
1		C5	Kemet	C0402C225M8PACTU	Capacitor, ceramic, 2.2uF 10V +/-20% X5R, 0402 package	399-7375-1-ND	CAP_0402_2.2UF_10V_20%,2.2uF 10V
2		C6-7	Murata	GRM0335C1E220JA01D	Capacitor, ceramic, 22pF 25V +/-5% NP0, 0201 package	490-1253-1-ND	CAP_0201_22PF_25V,22pF 25V
5		C9-11 C19 C21	TDK	C0603X5R1A104K030BC	Capacitor, ceramic, 0.1uF 10V +/-10% X5R, 0201 package	445-7318-1-ND	CAP_0201_0.1UF_10V,0.1uF 10V
1		C12	TDK	C0603X5R1A474M030BC	Capacitor, ceramic, 0.47uF 10V +/-20% X5R, 0201 package	445-13666-1-ND	CAP_0201_0.47UF_10V,0.47uF 10V
5		C13-15 C20 C41	Murata	GRM033R71A103KA01D	Capacitor, ceramic, 0.01uF 10V +/-10% X7R, 0201 package	490-3194-1-ND	CAP_0201_0.01UF_10V,0.01uF 10V
6		C16-17 C22-24 C48	Murata	GRM0335C1H100JA01D	Capacitor, ceramic, 10pF 50V +/-5% NP0, 0201 package	490-6112-1-ND	CAP_0201_10PF_50V,10pF 50V
1		C18	TDK	C0603X5R0J105M030BC	Capacitor, ceramic, 1uF 6.3V +/-20% X5R, 0201 package	445-8008-1-ND	CAP_0201_1UF_6.3V,1uF 6.3V
1	DNS	C25	TBD	TBD	Capacitor, ceramic, value TBD, 0402 package	xxxxxxx-ND	CAP_0402_TBD,TBD
2		C26-27	Samsung	CL05C270JB5NNNC	Capacitor, ceramic, 27pF 50V +/-5% NP0, 0402 package	1276-1153-1-ND	CAP_0402_27PF_50V,27pF 50V
4		C32 C38-40	Murata	GRM188F51A475ZE20D	Capacitor, ceramic, 4.7uF 10V -20/+80% Y5V, 0603 package	490-3302-1-ND	CAP_0603_4.7UF_Y5V,4.7uF 10V
2		C42-43	Yageo	CC0805ZKY5V6BB106	Capacitor, ceramic, 10uF 10V -20%/+80% Y5V, 0805 package	311-1355-1-ND	CAP_0805_10UF_10V_-20%/+80%,10uF 10V
1		C44	Johanson Dielectrics	202R18W102KV4E	Capacitor, ceramic, 0.001uF 2kV +/-10% X7R, 1206 package	709-1036-1-ND	CAP_1206_0.001UF_2000V,0.001uF 2kV
1		C45	Murata	GRM1555C1H2R2CA01D	Capacitor, ceramic, 2.2pF 50V +/-0.25pF NP0, 0402 package	490-5932-1-ND	CAP_0402_2.2PF_50V,2.2pF 50V
2		C46-47	Murata	GRM0335C1H1R0CA01D	Capacitor, ceramic, 1.0pF 50V +/-0.25pF NP0, 0201 package	490-6118-1-ND	CAP_0201_1.0PF +/-0.25PF_50V,1.0pF 50V
1		CAN1	Laird	BMI-S-202-C	RF shield can cover, 0.667 x 0.667, can be used alone	739-BMIS-202-C (Mouser)	RF_SHIELD_667_X_667_MIL_COVER,0.667 x 0.667
1		D1	Comchip Technology	CGRA4004-G	Diode, general-purpose, MRA4004, 1A 400V, DO-214AC / SMA	641-1017-1-ND	DIODE_MRA4004,CGRA4004
1		D2	Osram	LRTBGF1M-ST7-1+VV9-29+Q5R	LED, Red/Green/Blue, clear, 3mm x 3.3mm	475-2900-1-ND	LED_3.0_X_3.3MM_RED_GREEN_BLUE,Red/Green/Blue
2		D3-4	Fairchild Semiconductor	1N4148WS	Diode, 1N4148, 150mA 75V, SOD323	1N4148WSFSC-ND	DIODE_1N4148_SOD323,1N4148
1		D5	Osram	LG Q971-KN-1	LED, Green, diffused, 0603 package	475-1409-1-ND	LED_0603_GREEN,Green
2		D6-7	Diodes, Inc.	DESD3V3S1BL-7B	Transient Voltage Suppressor, bidirectional, 3.3V clamp	DESD3V3S1BL-7BDICT-ND	DIODE_DESD3V3S1BL_TV_S_BIDIRECTIONAL_3.3V,ESD3V3S1B
1		J1	CUI	PJ-041H	Power jack, 5.15mm OD x 1.65mm ID x 8mm deep, 16V/5A max	CP-041H-ND	CON_POWER_JACK_5.15_X_1.65MM_P14_THRU,Power 5.15mm OD x 1.65mm ID
1		J2	Bel Fuse	08B0-1D1T-06-F	RJ-45 Ethernet jack with integrated magnetics, 1 green LED, and 1 yellow LED	507-1441-ND	CON_RJ45_W/MAGNETICS_BEL_08B0-1D1T-06-F,08B0-1D1T-06-F
1		J3	Samtec	FTSH-105-01-F-DV-K	2x5 male header, .05 inch pitch, labeled as EM357 insight connector	FTSH-105-01-F-DV-K-ND (non-stock)	EM357_INSIGHT_CONNECTOR
1		J4	Murata	MM8030-2610RJ3	RF connector with switch, 11GHz, 2.1mm square x 0.9mm high	81-MM8030-2610RJ3 (Mouser)	CON_MM8030_MINIRF_WITH_SWITCH,MM8030-2610
1		L1	Laird Signal Integrity	MI0603L301R-10	Chip ferrite, 300 ohm @ 100 MHz, >=2.0A, 100mOhm, 0603 package	240-2374-1-ND	IND_0603_FERRITE_2.0A_300_OHM,300 ohm 2.0A ferrite
1		L2	Abracon	ATFC-0402-3N0-BT	Chip inductor, 3.0 nH +/-0.1nH, >=190mA, 0402 package	535-10371-1-ND	IND_0402_3.0NH,3.0 nH
1		L3	Abracon	ATFC-0402-3N3-BT	Chip inductor, 3.3 nH +/-0.1nH, >=190mA, 0402 package	535-10374-1-ND	IND_0402_3.3NH,3.3 nH
1	DNS	L5	TBD	TBD	Chip inductor, value TBD, 0402 package	xxxxxxx-ND	IND_0402_TBD,TBD
3		L6-8	Taiyo Yuden	BKP1005HS121-T	Chip ferrite, 120 ohm @ 100 MHz, 1A max load, 140 mOhm, 0402	587-1921-1-ND	IND_0402_FERRITE_1A_120_OHM,120 ohm
1		R1	Samsung	RC0603J1R0CS	Resistor, 1.0 ohm +/-5%, 1/20W, 0201 package	1276-3743-1-ND	RES_0201_1.0_OHM_5%,1.0 ohm 5%
1		R2	Panasonic	ERJ-1GEF10R0C	Resistor, 10.0 ohm +/-1%, 1/20W, 0201 package	P10.0ABCT-ND	RES_0201_10.0_OHM_1%,10.0 ohm 1%
2		R3-4	Panasonic	ERJ-1GEF1201C	Resistor, 1.20K +/-1%, 1/20W, 0201 package	P1.20KABCT-ND	RES_0201_1.20K_1%,1.20K 1%
5		R5 R7-8 R24 R28	Rohm	MCR006YRTF1003	Resistor, 100K +/-1%, 1/20W, 0201 package	RHM100KCBCT-ND	RES_0201_100K_1%,100K 1%
6		R9-10 R12-13 R21 R29	Yageo	RC0402FR-07510RL	Resistor, 510 ohm +/-1%, 1/16W, 0402 package	311-510LRCT-ND	RES_0402_510_OHM_1%,510 ohm 1%
1		R11	Yageo	RC0402FR073K01L	Resistor, 3.01K +/-1%, 1/16W, 0402 package	311-3.01KLRCT-ND	RES_0402_3.01K_1%,3.01K 1%
4		R14-17	Yageo	RC0402FR-0749R9L	Resistor, 49.9 ohm +/-1%, 1/16W, 0402 package	311-49.9LRCT-ND	RES_0402_49.9_OHM_1%,49.9 ohm 1%
4		R18-20 R27	Yageo	RC0402FR-074K7L	Resistor, 4.70K +/-1%, 1/16W, 0402 package	311-4.7KLRCT-ND	RES_0402_4.70K_1%,4.70K 1%
1		R22	Yageo	RC0402FR-0710KL	Resistor, 10.0K +/-1%, 1/16W, 0402 package	311-10.0KLRCT-ND	RES_0402_10.0K_1%,10.0K 1%
1		R23	Rohm	MCR006YRTF49R9	Resistor, 49.9 ohm +/-1%, 1/20W, 0201 package	RHM49.9CBCT-ND	RES_0201_49.9_OHM_1%,49.9 ohm 1%
1		SW1	TE Connectivity	2-1437565-9	Tactile switch, N/O, 6mm square, SMT, straight	450-1792-1-ND	SW_TACT_SMT_6X6MM,Tact
1		U1	Silicon Labs	EM3587-RTR	EM3587 ZigBee SoC 512k flash 64k RAM 48-pin MLF		EM3587,EM3587
1		U2	Skyworks	SE2432L-R	2.4 Ghz FEM with power amp, LNA, and diversity antennas, optimized for use with EM35x ZigBee	863-1348-1-ND	SE2432L_ZIGBEE_FEM_PA_LNA_DIVERSITY,SE2432L
1		U3	Spansion	S25FL208K0RMFI	IC, 8Mbit serial flash, 2.7-3.6V, 150mil / 209mil SOIC (dual footprint)	1274-1051-ND (150 mil) / 1274-1050-ND (209 mil)	S25FL208K_8MBIT_SERIAL_FLASH_DUALSOIC,S25FL208K0
1		U4	Micrel	KSZ8851SNL	10BASE-T/100BASE-TX Ethernet MACPHY with SPI interface	576-3299-1-ND	KSZ8851SNL_ETHERNET_MACPHY,KSZ8851SNL
1		U7	Diodes, Inc.	AP1117E33G-13	Linear 3.3V regulator, low dropout, 1A max, SOT223	AP1117E33DICT-ND	AP1117_3.3_SOT-223,AP1117-3.3
1		Y1	Epson	TSX-3225 24.0000MF10Z-C3	Crystal, parallel resonant, AT cut, 24.000 MHz, 18pF, 10ppm, SMD 3.2x2.5mm, Ember recommended for EM35x	732-322524MF10Z-C3 (Mouser)	XTAL_24MHZ_3.2MM_X_2.5MM_EMBER,24.000 MHz
1		Y2	Abracon	ABLS-25.000MHZ-B4-F-T	Crystal, parallel resonant, AT cut, 25 MHz 18pF, SMD HC49/US	535-10235-1-ND	XTAL_25MHZ_SMD_HC49,25.000 MHz