

Drawing Type		BILL OF MATERIALS					
Drawing Title		EM430F5137RF900 Rev 3.2					
ITEM	REFERENCE	QTY	DESCRIPTION	VALUE	PART NUMBER / MFG	MFG	Comment
1	Q1		1 (CUSTOMER SUPPLY) CRYSTAL, SMT, 4P, 26MHz	26M	ASX-531(CS)	AKER ELECTRONIC	
	C1-C5, C082, C222, C271, C281, C311, C321, C341, C412, C452	14	CAPACITOR, SMT, 0402, CER, 16V, 10%, 0.1uF	0.1uF	0402YC104KAT2A	AVX	
3	C071		1 CAPACITOR, SMT, 0603, CERAMIC, 0.47uF, 16V, 10%, X5R	0.47uF	0603YD474KAT2A	AVX	
4	R401		1 RES0402, 47.0K	47kΩ	CRCW04024702F100	DALE	
5	CON11		1 HEADER, THU, MALE, 14P, 2X7, 25.4x9.2x9.45mm		09 18 514 6323	HARTING	
6	CON10		0 HEADER, THU, MALE, 10P, 2X5, 20.32x9.2x9.45mm		09 18 510 6323	HARTING	DNP
7	D1		1 LED, SMT, 0603, GREEN, 2.1V	active	APT1608MGC	KINGBRIGHT	
8	D2		1 LED, SMT, 0603, RED, 2.0V	active	APT1608EC	KINGBRIGHT	
9	Q3		0 UNINSTALLED CRYSTAL, SMT, 3P, MS1V (Customer Supply)	32.768k	MS1V-T1K (UN)	MICRO CRYSTAL	DNP
10	CON12		1 HEADER, THU, MALE, 3P, 1x3, 9.9x4.9x5.9mm		22-03-5035	MOLEX	
11	C251, C261		2 50V, 5%, 27pF	27pF	GRM36COG270J50	MURATA	
12	L341		1 FERRITE, SMT, 0402, 1.0kΩ, 250mA	1kΩ	BLM15HG102SN1D	MURATA	
13	C293		1 CAPACITOR, SMT, 0402, CERAMIC, 100pF, 50V, 0.25pF, COG(NP0)	100pF	GRM1555C1H101JZ01	MURATA	
14	L304		1 INDUCTOR, SMT, 0402, 2.2nH, 0.1nH, 220mA, 500MHz	0.0022uH	LQP15MN2N2B02	MURATA	
15	L303, L305		2 INDUCTOR, SMT, 0402, 15nH, 2%, 450mA, 250MHz	0.015uH	LQW15AN15NG00	MURATA	
16	L292, L302		2 INDUCTOR, SMT, 0402, 18nH, 2%, 370mA, 250MHz	0.018uH	LQW15AN18NG00	MURATA	
17	C291		1 CAPACITOR, SMT, 0402, CERAMIC, 1pF, 50V, 0.05pF, COG(NP0)	1pF	GRM1555C1H1R0WZ01	MURATA	
18	C303		1 CAPACITOR, SMT, 0402, CERAMIC, 8.2pF, 50V, 0.05pF, COG(NP0)	8.2pF	GRM1555C1H8R2WZ01	MURATA	
19	C292, C301-C302, C304		4 CAPACITOR, SMT, 0402, CERAMIC, 1.5pF, 50V, 0.05pF, COG(NP0)	1.5pF	GRM1555C1H1R5WZ01	MURATA	
20	L291, L301		2 INDUCTOR, SMT, 0402, 12nH, 2%, 500mA, 250MHz	0.012uH	LQW15AN12NG00	MURATA	
21	C282, C312, C351, C361, C371		5 CAPACITOR, SMT, 0402, CERAMIC, 2pF, 50V, 0.1pF, COG	2.0pF	GRM1555C1H2R0BZ01	Murata	
22	L1		1 INDUCTOR, SMT, 0402, 6.2nH, 0.1nH, 130mA, 500MHz	6.2nH	LQP15MN6N2B02	Murata	
23	S1-S2		2 ULTRA-SMALL TACTILE SWITCH, SMT, 2P, SPST-NO, 1.2x3x2.5mm, 0.05A, 12V		B3U-1000P	OMRON	
24	R4-R5, R051, R061, R431, R441		0 UNINSTALLED RESISTOR/JUMPER, SMT, 0402, 0 Ω, 5%, 1/16W	0Ω	ERJ-2GE0R00X	PANASONIC	DNP
24a	R7		1 RESISTOR/JUMPER, SMT, 0402, 0 Ω, 5%, 1/16W	0Ω	ERJ-2GE0R00X	PANASONIC	
25	R2-R3, R6		3 RESISTOR, SMT, 0402, THICK FILM, 5%, 1/16W, 330	330Ω	ERJ-2GEJ331	PANASONIC	
26	C431, C441		0 CAPACITOR, SMT, 0402, CER, 12pF, 50V, 5%, NPO	12pF	ECJ-0EC1H120J	PANASONIC	
27	C401		1 CAPACITOR, SMT, 0402, CER, 2200pF, 50V, 10%, X7R	0.0022uF	ECJ-0EB1H222K	PANASONIC	
28	R331		1 RESISTOR, SMT, THICK FILM, 56K, 1/16W, 5%	56kΩ	ERJ-2GEJ563	PANASONIC	
29	C081, C221, C411, C451		4 CAPACITOR, SMT, 0603, CERAMIC, 10uF, 6.3V, 20%, X5R	10uF	ECJ-1VB0J106M	PANASONIC	
30	R1		1 RESISTOR/JUMPER, SMT, 0402, 0 Ω, 5%, 1/16W	0Ω	ERJ-2GE0R00X	PANASONIC	
31	C041		0 UNINSTALLED CAP CERAMIC 4.7UF 6.3V X5R 0603	4.7uF	ECJ-1VB0J475K	Panasonic	DNP
32	X1		1 SMA STRIGHT JACK, SMT		32K10A-40ML5	ROSENBERGER	
33	Q2		0 CRYSTAL, SMT, 4P, 32.768 kHz	32.768k	SSP-T7-F	SEIKO	DNP
34	U1		1 DUT, SMT, PQFP, RGZ-48, 0.5mmLS, 7.15x7.15x1mm, THRM.PAD		CC430F52x1	TI	
35	JP1		1 Pin Connector 2x4pin		61300821121	WUERTH	
36	CON1-CON9		0 Pin Connector 2x4pin		61300821121	WUERTH	DNP
37	JP2		1 Pin Connector 1x3pin		61300311121	WUERTH	
38	JP3, JP5, JP10		3 Pin Connector 1x2pin		61300211121	WUERTH	
38a	JP7, CON13		0 Pin Connector 1x2pin		61300211121	WUERTH	DNP
39	JP4		1 Pin Connector 2x2pin		61300421121	WUERTH	DNP
40	JP1a		1 Pin Connector 2x3pin		61300621121	WUERTH	