

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		CC430F5137	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