

Drawing Type	BILL OF MATERIALS			Released 08.06.2009 TH Updated C041 as item 28a on 23.09.2009 by S.G.			
Drawing Title	EM430F6137RF900 Rev 3.2						
Revision	3.2 EB1..EB5						
TOOLS							
Engineer	C. K.						
Released By	C. K.						
Release date	5/28/2009						
item	Revision	qty	mfg	part number (wide tolerance)	description (wide tolerance)	references	Comments
	1 3.2 EB1	1	AKER ELECTRONIC	ASX-531(CS)	(CUSTOMER SUPPLY) CRYSTAL,SMT,4P,26MHz	Q1	
	2 3.2 EB1	14	AVX	0402YC104KAT2A	CAPACITOR,SMT,0402,CER,16V,10 %.0.1uF	C1- C5,C112,C252,C3 81,C391,C421,C4 31,C451,C522,C5 62	
	3 3.2 EB1	1	AVX	0603YD474KAT2A	CAPACITOR,SMT,0603,CERAMIC,0. 47uF,16V,10%,X5R	C101	
	4 3.2 EB1	1	DALE	CRCW04024702F100	RES0402,47.0K	R511	
	5 3.2 EB1	1	HARTING	09 18 514 6323	HEADER,THU,MALE,14P,2X7,25.4x 9.2x9.45mm, 90deg	CON11	
	6 3.2 EB1	0	HARTING	09 18 510 6324	HEADER,THU,MALE,10P,2X5,20.32 x9.2x9.45mm	CON10	not assembled (DNP)
	7 3.2 EB1	1	KINGBRIGHT	APT1608MGC	LED,SMT,0603,GREEN,2.1V	D1	
	8 3.2 EB1	1	KINGBRIGHT	APT1608EC	LED,SMT,0603,RED,2.0V	D2	
	9 3.2 EB1	0	MICRO CRYSTAL	MS1V-T1K (UN)	UNINSTALLED CRYSTAL,SMT,3P,MS1V (Customer Supply)	Q3	not assembled (DNP)
	10 3.2 EB1	1	MOLEX	22-03-5035	HEADER,THU,MALE,3P,1x3,9.9x4.9 x5.9mm	CON12	
	11 3.2 EB1	2	MURATA	GRM36COG270J50	50V,+/-5%,27pF	C361,C371	
	12 3.2 EB1	1	MURATA	BLM15HG102SN1D	FERRITE,SMT,0402,1.0KOHM,250m A	L451	
	13 3.2 EB1	1	MURATA	GRM1555C1H101JZ01	CAPACITOR,SMT,0402,CERAMIC,1 00pF,50V,+/-0.25pF,C0G(NP0)	C403	
	14 3.2 EB1	1	MURATA	LQW15AN2N2C10	INDUCTOR,SMT,0402,2.2nH,+/- 0.2nH,1000mA,250MHz	L414	
	15 3.2 EB1	2	MURATA	LQW15AN15NJ00	INDUCTOR,SMT,0402,15nH,+/- 5%,460mA,250MHz	L413,L415	
	16 3.2 EB1	2	MURATA	LQW15AN18NJ00	INDUCTOR,SMT,0402,18nH,+/- 5%,370mA,250MHz	L402,L412	
	17 3.2 EB1	1	MURATA	GJM1555C1H1R0CB01D	CAPACITOR,SMT,0402,CER,1pF,50 V,+/-0.25pF,NP0	C401	
	18 3.2 EB1	1	MURATA	GRM1555C1H8R2CZ01	CAPACITOR,SMT,0402,CERAMIC,8. 2pF,50V,+/-0.25pF,C0G(NP0)	C413	
	19 3.2 EB1	4	MURATA	GRM1555C1H1R5CZ01	CAPACITOR,SMT,0402,CERAMIC,1. 5pF,50V,+/-0.25pF,C0G(NP0)	C402,C411- C412,C414	
	20 3.2 EB1	2	MURATA	LQW15AN12NJ00	INDUCTOR,SMT,0402,12nH,+/- 5%,500mA,250MHz	L401,L411	
	21 3.2 EB1	5	Murata	GRM1555C1H2R0CZ01	CAPACITOR,SMT,0402,CERAMIC,2. 0pF,50V,+/-0.25pF,C0G(NP0)	C46- C48,C392,C422	
	22 3.2 EB1	1	Murata	LQW15AN6N2D00	INDUCTOR,SMT,0402,6.2nH,+/- 0.1nH,700mA,250MHz	L1	
	23 3.2 EB1	2	OMRON	B3U-1000P	ULTRA-SMALL TACTILE SWITCH,SMT,2P,SPST- NO,1.2x3x2.5mm,0.05A,12V	S1-S2	
	24 3.2 EB1	0	PANASONIC	ERJ-2GE0R00X (UN)	UNINSTALLED RESISTOR/JUMPER,SMT,0402,0 OHM,5%,1/16W	R4- R5,R221,R231,R5 41,R551	not assembled (DNP)
	24 3.2 EB1	1	PANASONIC	ERJ-2GE0R00X (UN)	RESISTOR/JUMPER,SMT,0402,0 OHM,5%,1/16W	R7	
	25 3.2 EB1	3	PANASONIC	ERJ-2GEJ331	RESISTOR,SMT,0402,THICK FILM,5%,1/16W,330	R2-R3,R6	
	26 3.2 EB1	0	PANASONIC	ECJ-0EC1H120J	CAPACITOR,SMT,0402,CER,12pF,5 0V,5%,NPO	C541,C551	not assembled (DNP)
	27 3.2 EB1	1	PANASONIC	ECJ-0EB1H222K	CAPACITOR,SMT,0402,CER,2200pF .50V,10%,X7R	C511	
	28 3.2 EB1	4	PANASONIC	ECJ-1VB0J106M	CAPACITOR,SMT,0603,CERAMIC,1 0uF,6.3V,20%,X5R	C111,C251,C521, C561	
	28a 3.2 EB1	1	PANASONIC	ECJ-1VB0J475M	CAP CERAMIC 4.7UF 6.3V X5R 0603	C041	
	29 3.2 EB1	1	PANASONIC	ERJ-2RKF5602	RESISTOR,SMT,THICK FILM,56K,1/16W,1%	R441	
	30 3.2 EB1	1	PANASONIC	ERJ-2GE0R00X	RESISTOR/JUMPER,SMT,0402,0 OHM,5%,1/16W	R1	
	31 3.2 EB1	1	ROSENBERGER	32K10A-40ML5	SMA STRIGHT JACK, SMT	X1	
	32 3.2 EB1	0	SEIKO	SSP-T7-F	CRYSTAL,SMT,4P,32.768 kHz	Q2	not assembled (DNP)
	33 3.2 EB1	1	TI	CC430F6137	DUT,SMT,PQFP,RGC- 64,0.5mmLS,9.15x9.15x1mm,THRM. PAD	U1	
	34 3.2 EB1	1	WUERTH	61300821121	Pin-Header Wuerth 2x4pin	JP1	
	34a 3.2 EB1	0	WUERTH	61300821121	Pin-Header Wuerth 2x4pin	CON1-CON9	not assembled (DNP)
	35 3.2 EB1	1	WUERTH	61300311121	Pin-Header Wuerth 1x3pin	JP2	
	36a 3.2 EB1	3	WUERTH	61300211121	Pin-Header Wuerth 1x2pin	JP3,JP5,JP10	
	36b 3.2 EB1	0	WUERTH	61300211121	Pin-Header Wuerth 1x2pin	JP7,CON13	not assembled (DNP)
	37 3.2 EB1	0	WUERTH	61300421121	Pin-Header Wuerth 2x2pin	JP4	not assembled (DNP)
	38 3.2 EB1	1	WUERTH	61300621121	Pin-Header Wuerth 2x3pin	JP1a	

Place jumpers on:

JP3, JP5, JP10,
JP2/1-2,
JP1/1-2, JP1/3-4, JP1/5-6, JP1/7-8, JP1a/3-5, JP1a/4-6