

Assembly: ELASY-PCA-000003

PCB Revision: B

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Last update: 06/06/16

Revision History

Revision	Date	Description of Change
B	#####	Added Comp Vref dividers. Change FP voltage divider resistors. Changed stacking header to 3 pin 2.54mm pitch

Reference	Qty	Manufacturer	Part Number	Description	Notes
C38	1	YAGEO	CC0402KRX7R9BB103	CAP 10000PF 50V CERAMIC SMD 0402	
C19-21 C27-28 C31	6	AVX	0402YD473KAT2A	CAP CERM .047UF 10% 16V X5R 0402	
C14 C36-37 C39-40	5	Murata Electronics North America	GRM155R61A104KA01D	CAP CER 0.1UF 10V 10% X5R 0402	
C2-3 C6	3	Murata Electronics North America	GRM155R60J474KE19J	CAP CER 0.47UF 6.3V 10% X5R 0402	
C17	1	AVX	04025U1R5BAT2A	CAP CERAMIC 1.5PF 50V COG 0402	HiSRFNO_SUB
C18 C22-25 C32	6	Kemet	C0402C101J5GACTU	CAP CER 100PF 50V 5% NP0 0402	
C49	1	TDK	C1608X5R1A106K	CAP CER 10UF 10V X5R 0603	X5R
C29 C41-42	3	TDK Corporation	C1005X5R0J106M050BC	CAP CER 10UF 6.3V 20% X5R 0402	
C12	1	MURATA	GJM1555C1H150JB01D	CAP CERAMIC 15PF 50V COG 0402	HiSRF NO_SUB
C30 C48	2	Murata Electronics North America	GRM155R61A105KE15D	CAP CER 1UF 10V 10% X5R 0402	
C43 C46	2	Murata Electronics North America	GRM155F51A105ZE01D	CAP CER 1UF 10V Y5V 0402	
C4	1	MURATA	GRM155R71H221KA01D	CAP CERAMIC 220PF 50V 5% COG 0402	HiSRFNO_SUB
C8 C26	2	MURATA	GJM1555C1H2R0CB01D	CAP CERAMIC 2PF 50V COG 0402	HiSRF NO_SUB
C44	1	Murata Electronics	GRM155R71H471KA01D	CAP CER 470PF 50V 10% X7R 0402	
C1 C7 C9-11 C13 C16	7	MURATA	GRM1535C1H470JDD5D	CAP CER 47PF 50V 5% NP0 0402	NO_SUB
C34-35	2	MURATA	GRM1535C1H470JDD5D	CAP CER 47PF 50V 5% NP0 0402	NO_LOAD
C15	1	TDK	C3216X5R0J476M	CAP CER 47UF 6.3V 20% X5R 1206	
C5 C33	2			NO_LOAD	NO_LOAD
C47	1	AVX Corporation	F950J476MPAAQ2	CAP TANT 47UF 6.3V 20% 0805	
J4 J15	2	Hirose Electric Co Ltd	U.FL-R-SMT(10)	CONN RECPT ULTRA-MINI COAX SMD	
U2	1	Cypress	CYRF6936-40LTXC	IC WIRELESS USB LP 2.4GHZ 40VQFN	NO_SUB
D8-10	3	Toshiba Semiconductor and Storage	DF2B6.8ACT,L3F	TVS DIODE 5VWM 7VC CST2	

D1-2	2 Infineon Technologies	ESD101B102ELE6327XTM/	TVS DIODE 5.5VWM 30VC TSLP2-2	NO_SUB
F1	1 Murata Electronics North America	LFB182G45SG9B740	FILTER BANDPASS 2.45GHZ 0603	NO_SUB
F2	1 Murata Electronics North America	LFB182G45SG9B740	FILTER BANDPASS 2.45GHZ 0603	NO_LOAD
J2	1 FCI	68000-103HLF	CONN HEADER VERT 3POS .100 TIN	NO_LOAD
J20	1 JST	S2B-ZR-SM4A-TF (LF) (S)	CONN HEADER ZH SIDE 2POS 1.5MM	
J18	1 JST Sales	S4B-ZR (LF) (SN)	CONN HEADER ZH SIDE 4POS 1.5MM	
J1	1 Samtec, Inc	FTSH-105-01-L-D-K	CONN HEADER 10POS DUAL .05" SMD	NO_LOAD
L3	1 MuRata	LQG15HN1N8S02D	FIXED IND 1.8NH 300MA 100 MOHM	NO_SUB
L1	1 MuRata	LQG15HN1N0S02D	FIXED IND 1NH 300MA 100 MOHM SMD	NO_SUB
L2	1 MuRata	LQG18HN22NJ00D	FIXED IND 22NH 300MA 500 MOHM	NO_SUB
D3	1 Lite-On Inc	LTST-C190KFKT	LED ORANGE CLEAR 0603 SMD	
U1	1 Microsemi Analog Mixed Signal Gr	LX5551	IC WIRELESS LAN PA 16-MLPQ	NO_SUB
U5	1 Diodes Inc	APX321SEG-7	IC OP AMP R-R 1CH SOT-353	NO_SUB
R6	1 Panasonic - ECG	ERJ-2GE0R00X	RES 0.0 OHM 1/10W 0402 SMD	
R15-17	3 Panasonic - ECG	ERJ-2GEJ101X	RES 100 OHM 1/10W 5% 0402 SMD	
R7	1 Yageo	RC0402FR-0710KL	RES 10k OHM 1/16W 1% 0402 SMD	
R3	1 Panasonic - ECG	ERJ-2GEJ103X	RES 10K OHM 1/10W 5% 0402 SMD	
R10	1 Yageo	RC0603JR-07180RL	RES 180 OHM 1/10W 5% 0603 SMD	
R28	1 Yageo	RC0402JR-071KL	RES 1.0K OHM 1/16W 5% 0402 SMD	
R5	1 Yageo	RC0402FR-071RL	RES 1.00 OHM 1/16W 1% 0402 SMD	
R8 R11	2 Yageo	RC0402FR-073K3L	RES 3.3K OHM 1/16W 1% 0402 SMD	
R9	1 Panasonic - ECG	ERJ-2RKF3002X	RES SMD 30K OHM 1% 1/10W 0402	
R4	1 Yageo	RT0402FRE0747RL	RES 47 OHM 1/16W 1% 0402 SMD	
R2	1 Panasonic - ECG	ERJ-2RKF4992X	RES 49.9K OHM 1/10W 1% 0402 SMD	
R1	1 Panasonic - ECG	ERJ-2GEJ5R6X	RES 5.6 OHM 1/10W 5% 0402 SMD	
R12	1 Vishay Dale	CRCW040251K1FKED	RES 51.1K OHM 1% 1/16W 0402	
R31	1 Yageo	RC0402JR-075R1L	RES 5.1 OHM 1/16W 5% 0402 SMD	
U6	1 ST Micro	STM32F051K8U6	IC MCU 64K FLASH 32QFN	
U3-4	2 Skyworks	AS213-92LF	IC SW SPDT 0.1-3GHZ GAAS SC88	NO_SUB
TP1-7	7 NO_LOAD	NO_LOAD	NO_LOAD	NO_LOAD
U8	1 Microchip Technology	MIC5219-3.3YM5-TR	IC REG LDO 3.3V 0.5A SOT23-5	
X1	1 eCera	FF12000030	Crystal 12MHz 30ppm	NO_SUB