

HV5222 Breakout BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C3	1	Samsung	CL21B104KBCNNWC	CAP CER 0.1UF 50V X7R 0805	0805	SMD	
2	C1 C2	2	Samsung	CL21B105KBFNNNE	CAP CER 1UF 50V X7R 0805	0805	SMD	
3	D1	1	SMC Diode Solutions	SS16	60V, 1A, SMA, DIODE SCHOTTKY	SMA	SMD	
4	J2	0						Do Not Install - User shall decide how to mount
5	J1 J4	0						Do Not Install - User shall decide how to mount
6	J3	0						Do Not Install - User shall decide how to mount
7	L1	1	Taiyo Yuden	NR6045T220M	FIXED IND 22UH 1.5A 149.5MOHM	Non Standard	SMD	
8	Q1 Q2 Q3	3	Diodec Semiconductor	MMBT3904	TRANS NPN 40V 200MA SOT23-3	SOT23	SMD	
9	R4 R7 R10 R12	4	Panasonic	ERJ-6GEYJ472V	RES SMD 4K7 OHM 5% 1/8W 0805	0805	SMD	
10	R2	1	Panasonic	ERJ-6ENF1052V	RES SMD 10.5K OHM 1% 1/8W 0805	0805	SMD	
11	R1 R3 R5 R6 R8 R9 R11	7	Panasonic	ERJ-6ENF9102V	RES SMD 91K OHM 1% 1/8W 0805	0805	SMD	
12	U1	1	Diodes Incorporated	AP3012KTR-G1	IC REG BOOST ADJ 500MA	SOT23-5	SMD	
13	U2	1	Microchip	HV5222PJ-G	IC 32BIT SRL PARALLEL 220V 44PLC	44PLCC	SMD	