

# Bill of Materials

TI DESIGNS  
TIDA-00007

ITEM	QTY	MFG	MFG PART#	REF DES	DESCRIPTION
	REF	-	HVL038A	-	ASSEMBLY
	REF	-	HVL038A	-	SCHEMATIC
	REF	-	HVL038A	-	ARTWORK
1	4	PANASONIC	LNJ308G8PRA	LED1, LED2, LED3, LED4	LED,SMT,0603,PURE GREEN,2.03V
2	1	POMONA ELECTRONICS	2269-0	J1	DUAL INSULATED BANNANA JACKS, BLACK, 0.75LS
3	1	PANASONIC	ECJ-1V41E105M	C4, C5, C6, C7, C8, C9, C10, C11,	CAPACITOR,SMT,0603,CERAMIC,1.0uF,25V,20%,X5S
4	1	PANASONIC	ECJ-1VB0J106M	C12	CAPACITOR,SMT,0603,CERAMIC,10uF,6.3V,20%,X5R
5	1	TAIYO YUDEN	TMK107SD472JA	C2	CAPACITOR,SMT,0603,CERAMIC,4700pF,25V,5%,SD
6	1	VISHAY SPRAGUE	594D687X0010R2T	C3	CAP,TAN,SMT,10V,20%, 680uF
7	1	PANASONIC	EEFUD0K101R	C1	CAP,SMT,ELE,100uf,8V,20%
8	1	DIODES INC	B230-13-F	CR2	DIODE,SCHOTTKY,SMT, DIODES,INC.
9	1	DIODES INC	SD103CW-13-F	CR1	SCHOTTKY DIODE,SMT,20V,400mW,SOD-123
10	1	SAMTEC	TSW-104-07-G-D	P2	HEADER,THU,8P,2X4,MALE,DUAL ROW,100LS,100TL
11	1	SAMTEC	TSW-108-07-G-D	P1	HEADER,THU,16P,2X8,MALE,DUAL ROW,100LS,100TL
12	2	FCI	66951-010LF	P8, P9	HEADER,THU,10P,1X10,FEMALE,SINGLE ROW,100LS,200TL
13	6	SAMTEC	TSW-101-07-G-S	P3, P4, P5, P6, P10, P11	HEADER,THU,1P,MALE,SINGLE ROW,100TL
14	5	TE Connectivity	9-146281-0-02	P12, P13, P14, P15, P16	
15	1	TE Connectivity	9-146281-0-04	P17	
16	1	*ENPLAS CORPORATION	QFN-40B-0.5-01	DUT3	HTSOCKET,QFN,40P,35x29x16.7mm,w 2.1hole
17	1	TI	TPS77001DBV	U2	1.2~5.5V,ULTRA LOW-POWER 50mA LOW-DROP LINE REGULATOR
18	1	TI	TPS27081ADDCR	U3	HIGH SIDE LOAD SWITCH WITH LVL SHFT AND ADJ SLEW RATE
19	1	TI	LM2700MTX-ADJ/NOPB	U4	LM2700 600KHZ/1.25MHZ,2.5A, STEPUP PWM DC/DC CONVERTER

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20	1	BOURNS	SDR0805-100ML	L1	INDUCTOR,SMT,2P,POWER,10uH,20%,RoHS
21	1	VISHAY	CRCW060310K0FKEA	R21	RESISTOR,SMT,0603,1%,1/10W,10.0K
22	3	VISHAY	CRCW0603100KFKEA	R10, R11, R12	RESISTOR,SMT,0603,1%,1/10W,100K
23	1	VISHAY	CRCW06031K02FKEA	R3	RESISTOR,SMT,0603,1%,1/10W,1.02K
24	1	VISHAY	CRCW0603150KFKEA	R9	RESISTOR,SMT,0603,1%,1/10W,150K
25	1	VISHAY	CRCW0603169KFKEA	R8	RESISTOR,SMT,0603,1%,1/10W,169K
26	1	VISHAY	CRCW060320K0FKEA	R15	RESISTOR,SMT,0603,1%,1/10W,20.0K
27	1	VISHAY	CRCW06034K64FKEA	R2	RESISTOR,SMT,0603,1%,1/10W,4.64K
28	4	PANASONIC	ERJ-3GSYJ121	R4, R5, R6, R7	RESISTOR,SMT,0603,5%,1/10W,120
29	5	PANASONIC	ERJ-3GSYJ122	R16, R17, R18, R19, R20	RESISTOR,SMT,0603,5%,1/10W,1.2K
30	0	BOURNS	3313J-1-204	R14	Placeholder, DO NOT INSTALL
32	0	PANASONIC	ECJ-1V41E105M	C13	Placeholder, DO NOT INSTALL
33	1	Texas Instruments	TCA8424RHAR	U1	TI device to be used in Socket
34	5	TE Connectivity	382811-8	N/A	Jumpers to be installed over P12, P13, P14, P15, P16
35	1	ANY	HVL038A	N/A	PCB - size thickness END OF BOM

NOTES:  
These assemblies shall be lead free and RoHs compliant  
Should be free of flux and anycontaminants

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