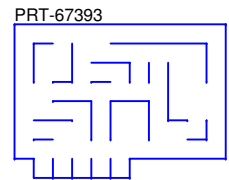


NOTES:

1. CONTAINS PARTS AND ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD)



UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN mm/[inches] TOLERANCES ARE: X.X = ±2.5[.1] X.XX = ±.25[0.1] X.XXX = ±.127[0.005] X.XXXX = ±.0127[0.0005]		 9380 Carroll Park Drive San Diego, CA, 92121	
<b>PE22100 EVK</b>			
DO NOT SCALE DRAWING	DATE: 73/27/16	SIZE: B	REV: 02
DRAWN: MIKE KINGSLEY	DATE: 03/15/16	SCALE: NONE	DWG NO.: DOC-78796
ENGINEER: NIGEL BROOKE	DATE: 03/15/16	DATE: Friday, March 17, 2017	Sheet 1 of 1

Item	Quantity	Reference	Part	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Part Description	Notes
1	2	C1,C3	10 $\mu$ F	Murata	GRM21BR61C106KE15L	Digikey	490-3886-2-ND	CAP, CER 0805, 10 $\mu$ F, 16 Volt, X5R, $\pm$ 10%	
2	2	C2,C4	0.10 $\mu$ F	AVX	0805YD104KAT2A	Digikey	0805YD104KAT2A-ND	CAP, CER 0805, 0.10 $\mu$ F, 16 Volt, X5R, $\pm$ 10%	
3	1	C5	0.47 $\mu$ F	Murata	GRM155R61A474KE15D	Digikey	GRM21BR61C474KA01L-ND	CAP, CER 0402, 0.47 $\mu$ F, 10V, X5R, $\pm$ 10%	
4	1	C6	100 pF	Murata	GRM1555C1H101JA01D	Digikey	490-5922-1-ND	CAP, CER 0402, 100 pF, 50V, C0G (NP0), $\pm$ 5%	
5	2	D1,D2	MBR0540	Fairchild Semiconductor	MBR0540	Digikey	MBR0540TR-ND	Diode Schottky 40V 500MA SOD123	
6	2	J1,J2		Samtec	TSW-102-07-G-S	Digikey	SAM1029-02-ND	CONN HEADER 2POS .100" SGL GOLD	
7	1	R1	82K	Panasonic	ERJ-2GEJ823X	Digikey	P82KJTR-ND	RES SMD 82K OHM 5% 1/10W 0402	
8	7	TP1-TP7		Samtec		Digikey	SAM1029-01-ND	CONN HEADER 1POS .100" SGL GOLD	Install from backside
9	1	T1	78253/55MVC	Murata Power Solutions	78253/55MVC-R	Digikey	811-2317-6-ND	XFRMR 5V IN/OUT MAX 253 SMD	
10	1	U1	PE22100	Peregrine Semi	PE22100			IC, PE22100, DC-DC converter QFN12	
11	1	Z1	PCB	Peregrine Semi	PRT-67393-02			PCB PE22100 EVK	