

TITLE: Bill of Materials DATE: 03/08/2018 DESIGN: maxrefdes1170_apps_p1							
NOTE: DNI--> DO NOT INSTALL(PACKOUT) ; DNP--> DO NOT PROCURE							
ITEM	REF_DES	DNI/DNP	QTY	MFG PART #	MANUFACTURER	VALUE	DESCRIPTION
1	VIN, +24V, GND0, PGND	-	4	FWJ-01-01-T-S	SAMTEC	FWJ-01-01-T-S	CONNECTOR; MALE; THROUGH HOLE; POWER HEADER AND BOARD STACKER; STRAIGHT; 1PIN
2	C1	-	1	C1206C105K5RAC; GRM31CR71H105KA61; GRM31MR71H105KA88	KEMET; MURATA; MURATA	1UF	CAPACITOR; SMT (1206); CERAMIC CHIP; 1UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
3	C2	-	1	C0603C105K4RAC; GRM188R71C105KA12; C1608X7R1C105K; EMK107B7105KA	KEMET; MURATA; TDK; TAIYO YUDEN	1UF	CAPACITOR; SMT (0603); CERAMIC CHIP; 1UF; 16V; TOL=10%; MODEL=-; TG=-55 DEGC TO +125 DEGC; TC=X7R
4	C3	-	1	GRM155R71E333KA88	MURATA	0.033UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.033UF; 25V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
5	C4	-	1	C0402C823K4RAC; GRM155R71C823K	KEMET; MURATA	0.082UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.082UF; 16V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
6	C5	-	1	C0402C821K5RAC; GRM155R71H821KA01	KEMET; MURATA	820PF	CAPACITOR; SMT (0402); CERAMIC CHIP; 820PF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
7	C6	-	1	GRM31CR71C106KAC7; GRM31CR71C106KA12	MURATA; MURATA	10UF	CAPACITOR; SMT (1206); CERAMIC CHIP; 10UF; 16V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
8	C7	-	1	C0402C103K5RAC; GRM155R71H103KA88; C1005X7R1H103K050BE	KEMET; MURATA; TDK	0.01UF	CAPACITOR; SMT (0402); CERAMIC CHIP; 0.01UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
9	C8, C16	-	2	GRT31CR61H106KE01	MURATA	10UF	CAP; SMT (1206); 10UF; 10%; 50V; X5R; CERAMIC CHIP
10	C9	-	1	GRM31CR71H225KA88; UMK316B7225K	MURATA; TAIYO YUDEN	2.2UF	CAPACITOR; SMT (1206); CERAMIC CHIP; 2.2UF; 50V; TOL=10%; MODEL=-_MK SERIES; TG=-55 DEGC TO +85 DEGC
11	C10	-	1	1206SC102KAT	AVX	1000PF	CAPACITOR; SMT (1206); CERAMIC CHIP; 1000PF; 1500V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R
12	D1	-	1	DFLS1100-7	DIODES INCORPORATED	DFLS1100-7	DIODE; SCHOTTKY; SMT; PIV=100V; IF=1A
13	R1	-	1	CRCW04023M01FK	VISHAY DALE	3.01M	RESISTOR; 0402; 3.01M OHM; 1%; 100PPM; 0.063W; METAL FILM
14	R2	-	1	CRCW0402261KFK	VISHAY DALE	261K	RESISTOR; 0402; 261K OHM; 1%; 100PPM; 0.063W; METAL FILM
15	R3	-	1	CRCW0402110KFK	VISHAY DALE	110K	RESISTOR; 0402; 110K OHM; 1%; 100PPM; 0.063W; THICK FILM
16	R4	-	1	ERJ-2RKF1052	PANASONIC	10.5K	RESISTOR; 0402; 10.5K OHM; 1%; 100PPM; 0.1W; THICK FILM
17	R5	-	1	ERJ-2RKF3741	PANASONIC	3.74K	RESISTOR; 0402; 3.74K OHM; 1%; 100PPM; 0.1W; THICK FILM
18	R6	-	1	CRCW0402100KJN	VISHAY DALE	100K	RESISTOR; 0402; 100K OHM; 5%; 200PPM; 0.063W; THICK FILM
19	R8	-	1	ERJ-2GEJ220X	PANASONIC		RESISTOR; 0402; 22 OHM; 5%; 200PPM; 0.10W; METAL FILM
20	R9	-	1	ERJ-2RKF9092X	PANASONIC	90.9K	RESISTOR; 0402; 90.9K OHM; 1%; 100PPM; 0.10W; METAL FILM
21	R10	-	1	CRCW040210K0FK; RC0402FR-0710K	VISHAY DALE; YAGEO PHICOMP	10K	RESISTOR; 0402; 10K; 1%; 100PPM; 0.0625W; THICK FILM
22	T1	-	1	750342860; HR051285	WURTH ELECTRONICS INC; HanRun	10uH	TRANSFORMER; SMT; 2.4:1; TRANSFORMER
23	U1	-	1	MAX17681AATB+	MAXIM	MAX17681AATB+	IC; CONV; 4.5V TO 42 V INPUT; HIGH-EFFICIENCY; ISO-BUCK DC-DC CONVERTER; TDFN10-EP
24	U2	-	1	TL431BW5	DIODES INCORPORATED	TL431BW5	IC; VREG; ADJUSTABLE PRECISION SHUNT REGULATOR; +/-0.5% TOLERANCE; SOT25
25	PCB	-	1	MAXREFDES1170_APPS_P1	MAXIM	PCB	PCB:MAXREFDES1170_APPS_P1
26	R7	DNI	1	CRCW0402681KFK	VISHAY DALE	681K	RESISTOR; 0402; 681K OHM; 1%; 100PPM; 0.063W; THICK FILM
TOTAL			30				