

Bill of Materials

TI DESIGNS
TIDA-00270



Quantity	Designator	Value	Description	Manufacturer	Manufacturer Part Number 1	Supplier Part Number 1
2	BIAS, GND Sense	Single	Terminal, Turret, TH, Hollow, Single	Keystone	1562-2	1562-2K-ND
2	C1, C13	0.01uF	CAP, CERM, 0.01uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E103KA01D	490-1520-1-ND
2	C2, C14	10uF	CAP, CERM, 10uF, 10V, +/-20%, X5R, 1206	TDK	C3216X5R1A106M160AB	445-1387-1-ND
5	C3, C8, C9, C10, C15	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0805	MuRata	GRM21BR71C105KA01L	490-1691-1-ND
1	C5	0.1uF	CAP, CERM, 0.1uF, 16V, +/-10%, X5R, 0603	MuRata	GRM188R61C104KA01D	GRM188R61C104KA01D-ND
1	C6	100uF	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	MuRata	GRM31CR60J107ME39L	490-4539-1-ND
1	C7	330uF	CAP, AL, 330uF, 10V, +/-20%, 0.024 ohm, SMD	Nippon Chemi-Con	APXA100ARA331MJ80G	565-3071-1-ND
6	FB, Master IN, Master OUT, PG, Slave IN, Slave OUT	Orange	Test Point, Miniature, Orange, TH	Keystone	5003	5003K-ND
2	Input, Output	2x1	Conn Term Block, 2POS, 5.08mm, TH	Phoenix Contact	1715721	277-1263-ND
2	R1, R10	0.03	RES, 0.03 ohm, 1%, 0.75W, 2010	Ohmite	LVK20R030FER	588-LVK20R030FER
2	R2, R4	10k	RES, 10k ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-0710KL	311-10KGRCT-ND
2	R5, R9	3.57k	RES, 3.57k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-073K57L	311-3.57KHRCT-ND
1	R6	15.0k	RES, 15.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0715KL	311-15.0KHRCT-ND
2	R7, R11	1.15k	RES, 1.15k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K15FKEA	541-1.15KHCT-ND
2	R12, R13	30k	RES, 30k ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-0730KL	311-30KGRCT-ND
1	Sense Amp	OPA333AIDBV	IC, 1.8V, microPower, CMOS Op Amp, Zero-Drift Series	TI	OPA333AIDBV	
2	TPS744 Master, TPS744 Slave	TPS74401RGW	IC, 3A LDO With Programmable Soft-Start	TI	TPS74401RGW	

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