

Bill of Materials

TI DESIGNS TIDA-00785
Isolated GaN Driver Reference design

Quantity	Designator	Description	Manufacturer	PartNumber	PackageReference / Value	Fitted
1	PCB1	Printed Circuit Board	Any	TIDA-00785		Fitted
2	C1, C6	CAP, CERM, 10 μ F, 35 V, +/- 10%, X5R, 0805	MuRata	GRM21BR6YA106KE43L	0805/10uF	Fitted
3	C2, C5, C8	CAP, CERM, 1 μ F, 50 V, +/- 10%, X5R, 0603	MuRata	GRM188R61H105KAALD	0603/1uF	Fitted
3	C4, C7, C9	CAP, CERM, 0.1 μ F, 25 V, +/- 5%, X7R, 0603	AVX	06033C104JAT2A	0603/0.1uF	Fitted
1	C10	CAP, CERM, 1 μ F, 25 V, +/- 10%, X5R, 0603	MuRata	GRM188R61E105KA12D	0603/1uF	Fitted
2	C11, C12	CAP, CERM, 0.22 μ F, 16 V, +/- 10%, X7R, 0402	TDK	C1005X7R1C224K050BC	0402/0.22uF	Fitted
1	C13	CAP, CERM, 100 pF, 25 V, +/- 5%, C0G/NP0, 0402	Kemet	C0402C101J3GACTU	0402/100pF	Fitted
2	D1, D2	Diode, Schottky, 20 V, 0.5 A, SOD-123	ON Semiconductor	MBR0520LT1G	SOD-123/20V	Fitted
0	FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A		Not Fitted
3	FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A		Fitted
4	J1, J2, J4, J7	Header, 100mil, 2x1, Gold, TH	Samtec	HTSW-102-07-G-S		Fitted
2	J3, J5	Terminal Block, 2x1, 2.54mm, TH	TE Connectivity	282834-2		Fitted
1	J6	Header, 100mil, 3x1, Gold, TH	Samtec	HTSW-103-07-G-S		Fitted
4	M1, M2, M3, M4	CONN PC PIN CIRC 0.040DIA TIN	Keystone	11073		Fitted
1	R1	RES, 10.0, 1%, 0.125 W, 0805	Vishay-Dale	CRCW080510R0FKEA	0805/10.0	Fitted
1	R2	RES, 1.00, 1%, 0.125 W, 0805	Vishay-Dale	CRCW08051R00FKEA	0805/1.00	Fitted
1	R3	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	0603/0	Fitted
1	T1	Transformer, 340 uH, SMT	Würth Elektronik	750313638	SMT/340uH	Fitted
1	TP1	Test Point, Compact, Red, TH	Keystone	5005	Red	Fitted
2	TP2, TP6	Test Point, Compact, Black, TH	Keystone	5006	Black	Fitted
3	TP3, TP4, TP5	Test Point, Compact, Blue, TH	Keystone	5122	Blue	Fitted
1	U1	Transformer Driver for Isolated Power Supplies, DBV0	Texas Instruments	SN6501DBVR		Fitted
1	U2	High-Performance, 8000 VPK Reinforced Dual Channel	Texas Instruments	ISO7821FDWR		Fitted
1	U3	IC, 4A/8A Single Channel High-Speed Low-Side Gate	TI	UCC27611DRV	UCC27611DRV	Fitted

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