

Design name: TEA2095 Synchronous Rectifier Driver (LFPK).  
Board-ID: TEA2095DB1574  
PCB nr.: 0000-000-44511

Bill of materials

05-07-19  
1 - 1

Item Number	Mounted	Unique Part name	Part Reference	Description	Manufacturer	Manufacturer Part Number	Remarks	Supplier	Supplier Code	PCB Footprint
1		CAPN_XXX_100N_50V0_10T_X7R_0805	C1	Capacitor; 100 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
2	NM	CAPN_XXX_1N00_50V0_10T_X7R_0805	C2	Capacitor; 1 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
3	NM	CAPN_XXX_1N00_50V0_10T_X7R_0805	C3	Capacitor; 1 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
4			E1	Pad for transformer; Square 5mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_SQR_0500
5			E4	Pad for transformer; Square 5mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_SQR_0500
6			E5	Wirehole for Vout; 1.00 mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	WH_AWG18_0160_0100_0220
7			E6	Pad for output; Square 5mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_SQR_0500
8			Q1	MOSFET-N; 60 V; 100 A	NXP	PSMN4R0-60YS,115		Digi-Key	1727-2470-1-ND	TO127P600X120-5X60Y162C372N
9			Q2	MOSFET-N; 60 V; 100 A	NXP	PSMN4R0-60YS,115		Digi-Key	1727-2470-1-ND	TO127P600X120-5X60Y162C372N
10		RES_XXX_0R00_JMP_W125_0805	R1	Resistor; 0 O; Jumper; 125 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
11		RES_XXX_0R00_JMP_W125_0805	R2	Resistor; 0 O; Jumper; 125 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
12	NM	RES_XXX_10R0_1T0_0W10_0805	R3	Resistor; 10 O; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
13	NM	RES_XXX_10R0_1T0_0W10_0805	R4	Resistor; 10 O; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
14		RES_XXX_10R0_1T0_0W10_0805	R5	Resistor; 10 O; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
15			TP1	Testpin; 1.6 mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_RND_0160
16			TP2	Testpin; 1.6 mm	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_RND_0160
17			U1	Sync. Rec. Cntrl.; Dual; TEA2095T	NXP	TEA2095T (HSO8)		NXP	Customer Delivers Component	SOIC127P602X168-9X160Y60C540N