

TR-P7302-2



iP7302 56~63W LED Driver with iP7700 (xxxxxxx)

1. BOM

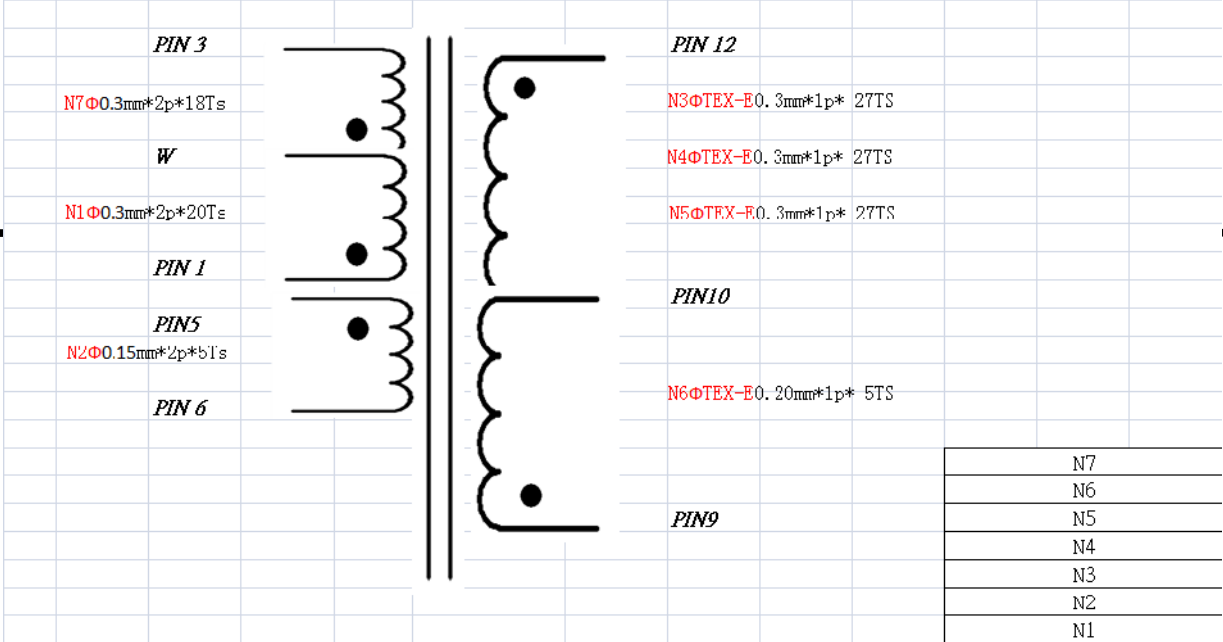
位置	规格说明
Location	Part Name Description
FS1	2A
CX1	0.22uF 250V
U4	KBL410
C1	680nF 400V
C3	4.7nF 1KV
R12	470K, 1206
R28	NC
D6	1N4007, SMD
Q1	ST10NK80
HQ1	L形, 厚 2.0mm*长(43+20)mm*高 19mm
Q1*	M3*6 TRUSS CROSSNI
R18	1/8W 47 0805
R13, R23, R24	1/8W, 330K, 0805
R21, R16	1/8W, 470K, 0805
R17	DIP, 470K, 1/10W
D7	1N4148WS, SMD
D5	1N4007, SMD
R10	1/8W, 2.2, 0805
E2	22uF 50V M 105°C
C2, C4, C8	10nf, 50v, X7R, 0805
R1	1/8, 15K 0805
R57	1/8W, 100K, 0805
R22	1/8W 1K 0805

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CY1	1nF 250V M
U3	IC PHOTO LITEON/LTV-817M P=10mm CTR=B
U2	IP7302
R15	0.33 欧姆 2W 1%
R2	1, 0805, 1/8W
U1	IP7700
D8	UF5404, 4A400V
D10	UF5404, 4A400V
E3, E4	470uF 100V M
E1	10uf, 50v, 105°C
R9	0.68, 1206, 1%
R11	0.5, DIP, 2W, 1%
R26	1K, 0805, 1%
R4	47K 0805 1%
C6	100nF 50v X7R, 0805
C12	NC
R8	56K, 0805, 1/8W
R3	430K 0805 1%
R7	5.6K 0805 1%
R5	33K 0805 1%
R6	47K 0805 1%
C7	220nf, 0805
PCB	FR-4, 20Z, 1.6mm
T3	PQ2625 38:27:5:5 0.4mH
T1	COMMON CHOKE, D=0.4mm, 8mH
L3	differential choke, 工字电感 (d=16mm, h=18mm) L 端线径 D=0.5mm, 1.3mH

1. Electrical Diagram



2. CORE & BOBBIN : PQ2625 立式6+6 CORE: PC40

3. WINDING SPEC.

WINDING ON	TERMINAL		TURNS	WIRE	WINDING METHOD	INSULATION TAPE			MARGIN TAPE	
	START PIN	END PIN				MATERIAL	Thickness/Width	TURNS	Primary Side	Secondary Side
N1	1	W	20	2UEW 0.3Φ*2加TFL	密绕	P.S TAPE	25u / 9.5mm	1		
N2	5	6	5	2UEW 0.15Φ*2加TFL	密绕	P.S TAPE	25u / 9.5mm	3		
N3	12	10	27	TEX 0.3Φ*1 加TFL	密绕	P.S TAPE	25u / 9.5mm	1		
N4	12	10	27	TEX 0.3Φ*1 加TFL	密绕	P.S TAPE	25u / 9.5mm	1		
N5	12	10	27	TEX 0.3Φ*1 加TFL	密绕	P.S TAPE	25u / 9.5mm	1		
N6	9	10	5	TEX 0.1Φ*1 加TFL	密绕	P.S TAPE	25u / 9.5mm	3		
N7	W	3	18	2UEW 0.3Φ*2加TFL	均绕	P.S TAPE	25u / 9.5mm	3		
W为抽头, 绞线后镀锡										

4. INDUCTANCE : TERMINAL 1 - 3 0.38mH +/-8% 1KHz 1V (CORE: CENTER GAP)

8. Revision History

Ver.	Date	Change Notice
X.0	2010/07/01	Original