



Title		
Size	Number	Revision
A3		
Date:	2013-4-15	Sheet of
File:	E:\PR\data\TX3.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
450V	Polarized Capacitor (Radial)	C1	RB9/ 18	Cap Pol1	1
150uF/ 450V	Polarized Capacitor (Radial)	C2	RB9/ 18	Cap Pol1	1
	Capacitor	C3, C6, C10	CAPC3216M	Cap	3
	Capacitor	C4	RESC5025M	Cap	1
X2 250Vac	Capacitor	C5	HQX474	Cap	1
50V	Capacitor, Polarized Capacitor (Radial)	C7, C8	RB 8/ 13	Cap2, Cap Pol1	2
50V	Polarized Capacitor (Radial)	C9	RB5.0/ 10	Cap Pol1	1
25V	Polarized Capacitor (Radial)	C11	RB.1/ .2	Cap Pol1	1
50V	Polarized Capacitor (Radial)	C12	RB.1/ .2	Cap Pol1	1
50V	Capacitor	C13	CAPC1608M	Cap	1
	Capacitor, Resistor	C14, C16, C18, C19, R9, R11, R18, R23, R24	RESC1608M	Cap, Res1	9
Cap	Capacitor	C15	RESC1608M	Cap	1
	Capacitor, Resistor	C17, R2, R3, R6, R7, R13, R14, Rm1, Rm2	RESC3216M	Cap, Res1	9
Y1 250V	Capacitor	CY1	DCF472	Cap	1
RS1M	Default Diode	D1, D5	ES1D	Diode	2
MUR1020	Diode	D2	TO220B	DIODE	1
ES1D	Default Diode	D3, D4	ES1D	Diode	2
M7	Default Diode	D6, D7	ES1D	Diode	2
Fuse 1	Fuse	FUSE1	AXIAL0.1Z	Fuse 1	1
TL3844P		IC1	DIP8	UC3844	1
AC INPUT		J1	J2	CON2_1	1
DC OUT		J2	J2	CON2	1
4A 800V	Full Wave Diode Bridge	KBL1	KBL	Bridge1	1
2mH	Transformer (Equivalent Circuit Model)	L1	CM	Trans Eq	1
4A	Inductor	L2	RB5.0/ 9	Inductor	1
LED		LED1	AXIAL0.1Z	LED	1
		PC1	DIP4	PC817	1
STD10NM60N	N-Channel MOSFET	Q1	TO220A	MOSFET-N	1
	Resistor	R1, R4, R5	RESC3225M	Res1	3
0.25W	Resistor	R8, R10	RESC1608M	Res1	2
Res1	Resistor	R12, R20, R22	RESC1608M	Res1	3
1W 5%	Resistor	R15, R16	RESC6432M	Res1	2
1W 5%	Resistor	R17	RESC6432M	Res1	1
10k	Resistor	R19	RESC1608M	Res1	1
1.2k	Resistor	R21	RESC1608M	Res1	1
5K		RD1	RESC3216M	RES2	1
	Resistor	RL1, RL2	RESC6432M	Res1	2
	Resistor	RT1	NTC13-7.5	Res2	1
470V		RV1	RAD0.3	TH	1
FLYBACK TRAN		T1	PQ3220	FLYBACK TRAN	1
		TL1	TL431 - duplicate1	tl431	1