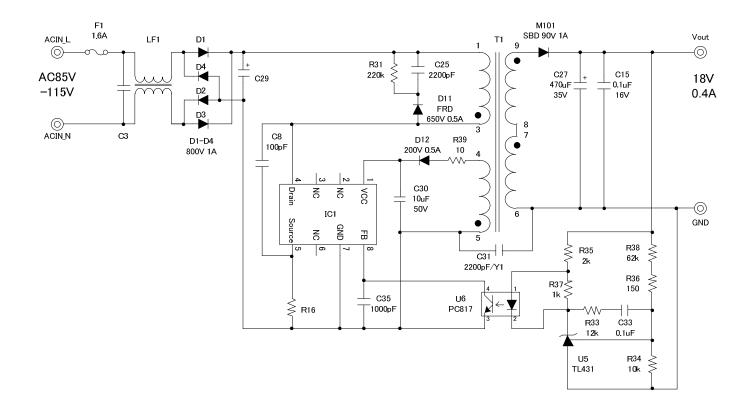


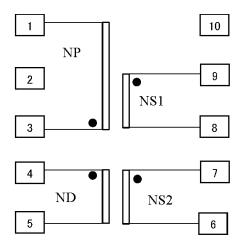
AC/DC Converter Controller Application Information

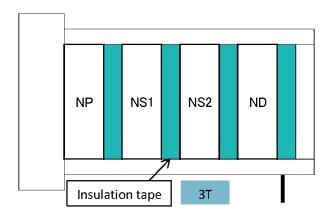
IC Product Name	BM2P054F				
Control Method	PWM				
Input	85 Vac to 115 Vac				
Output	18V 0.4A				
Туре	Isolation				
Document Number	1-I-1800040-0000-00				
Revision	001				

Reference Circuit



Transformer Specification





Core: Tomita 2G8-EE13x12x6.3 or compatible Bobbin: Tomita TBB347 Vertical/Terminal Pins 5-5(10pins) or compatible AL-Value: 76.9 nH/N^2

	/ 0.0	f H 1/ TN
Inductance(1-3pin):	1.300	mH±15%

Inductari		1.000		
Coil	Terminal	Turns	Wire	Winding Method
NP	' 3−1	130	2UEW 0.2	FIT(密)
NS1	' 9–8	15	TEX-E 0.25	1 Layer FIT(密)
NS2	'7–6	15	TEX-E 0.25	1 Layer FIT(密)
ND	' 4−5	25	2UEW 0.25	1 Layer FIT(密)

耐圧	P-S	: AC	3. OK	Vrms	1MIN	. 2mA	or	AC3.6kVrms	1s	2mA
	PS-CO	RE:AC	1. 5K	Vrms	1MIN	. 2mA	or	AC1.8kVrms	1s	2mA
IR :	P-S, PS-	-CORE	100	MΩ	MIN.	at DO	50	ΟV		

巻始め:パリアテープ固定 巻終り:直角引き出し挟み込み処理 巻方向 : 統一

Bill of Materials

Item	Spec	Parts name	Maker
C3	0.1uF/X2		
C8	100pF/650V		
C15	0.1uF/50V		
C25	2200pF/250V		
C27	470uF/35V Low-Z		
C29	22uF/250V		
C30	10uF/50V		
C31	2200pF/Y1		
C33	0.1uF/25V		
C35	1000pF/16V		
D1	400V/1A	1SR154-400	Rohm
D2	400V/1A	1SR154-400	Rohm
D3	400V/1A	1SR154-400	Rohm
D4	400V/1A	1SR154-400	Rohm
D11	FRD 700V/0.5A	RFN1L7S	Rohm
D12	200V/0.5A	RF05VA2S/RF05VAM2S	Rohm
F1	1.6A		
IC1		BM2P054F	Rohm
LF1	CMC		
M101	SBD 90V 1A	RB160L-90	Rohm
R16	1.2kΩ/2W		
R31	220kΩ/0.25W	MCR25 220kΩ	Rohm
R33	12kΩ	MCR03 12kΩ	Rohm
R34	10kΩ	MCR03 10kΩ	Rohm
R35	2kΩ	MCR03 2kΩ	Rohm
R36	150Ω	MCR03 150Ω	Rohm
R37	1kΩ	MCR03 1kΩ	Rohm
R38	62kΩ	MCR03 62kΩ	Rohm
R39	10Ω	MCR10 10Ω	Rohm
T1	EE13		
U5		TL431	
U6		PC817	

Revision History

Date	Revision	Changes
7.Mar.2014	001	New Release

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CLASSI	CLASSII	CLASS II b	CLASSⅢ			
CLASSIV	CLASSI	CLASSⅢ	CLASSI			

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