LINE OF ISOLATION

Input: 180 - 265VAC
Output: 32V 350mA
Dimmable

AC LINE CONNECTIONS

F1 2.5A 250V
P1
P2

C1 220nF 400V
C21 22n X2
R5 510
L1 40mH
VR1
BR1 MB6S
AC 2
AC 1
3 +
4 -
L2
C9 22nF 630VDC
R4 75k 1206R
C2 15nF 250V 1206C
D1 STTH108A SMA
C11 2.2nF Y1
T1
1 7
2 8
3 9
10
4
5
D5 600V 1A DO-41
C7 2.2uF 100V
C6 2.2uF 100V
C8 560uF 50V
P3
DCRTN
R19 0.33 1206R
P4

R1 560k 0805R
R2 560k 0805R
R31 560k 0805R
R17 3.01 0805R

R10 1k 2W
R29 12.7k 0805R
D8 LM4040 SOT-23
C16 0.1uF 25V 0805C
Q2 FCX493TA SOT-89
R8 4.42k 0603R
U3
R22 200k 0603R
R6 100k 0603R
R21 71.5k 0603R
R9 39.2 0805R
R7 464k 0603R
R3 100k 0603R

Q1 SPA07N60C3 650V TO220FP
R16 4.99 0603R
D3 MMBD1404 SOT-23

D6 RS1J SMA
R20 365k 0603
R27 511k 0603R
R28 20k 0603R
U4
R25 1Meg 0805R
Q6 MMBT3904 SOT-23
C14 1uF 0805
R40 16.5k 0603R
C12 220pF 630V 1206C
D9 BAW56W SC70
DCRTN

R11 110k 0805R
C15 10nF 25V 0603C
R14 634k 0603R
U1 TPS92210 SO-8
1 FB   VDD 8
2 TZE GND 7
3 PCL DRN 6
4 OTM VCG 5
R12 33.2k 0603R
R13 40.2k 0603R
R15 100k 0603R
R18 10k 0603R
R41 0603R
C3 10nF 50V 0603C
C4 100nF 0603C
C5 25V 100uF
D4 18V SOT-23
C10 10nF 25V 0603C

U2 PS2581L1
4
3
1
2
R42 0603R
R43 0 0603R

R35 3.01k 0603R
C19 10nF 25V 0603C
R24 3.01k 0603R
U5
C13 0.33uF 0603C
C17 10nF 25V 0603C
R23 20.0k 0603R
R33 1Meg 0603R
R30 604k 0603R
R26 2k 0603R
R32 17.4k 0603R
C18 10nF 25V 0603C
GND

DRAWN G. Guenther DATE 3/23/2010
CHECKED DATE
ISSUED DATE
Texas Instruments
DESCRIPTION
230VAC to 32V/350mA
TRIAC Dimmable LED Driver
PAGE 1 OF 1
FILENAME PMP6003C.sch
DWG.NO. PMP6003
REV C