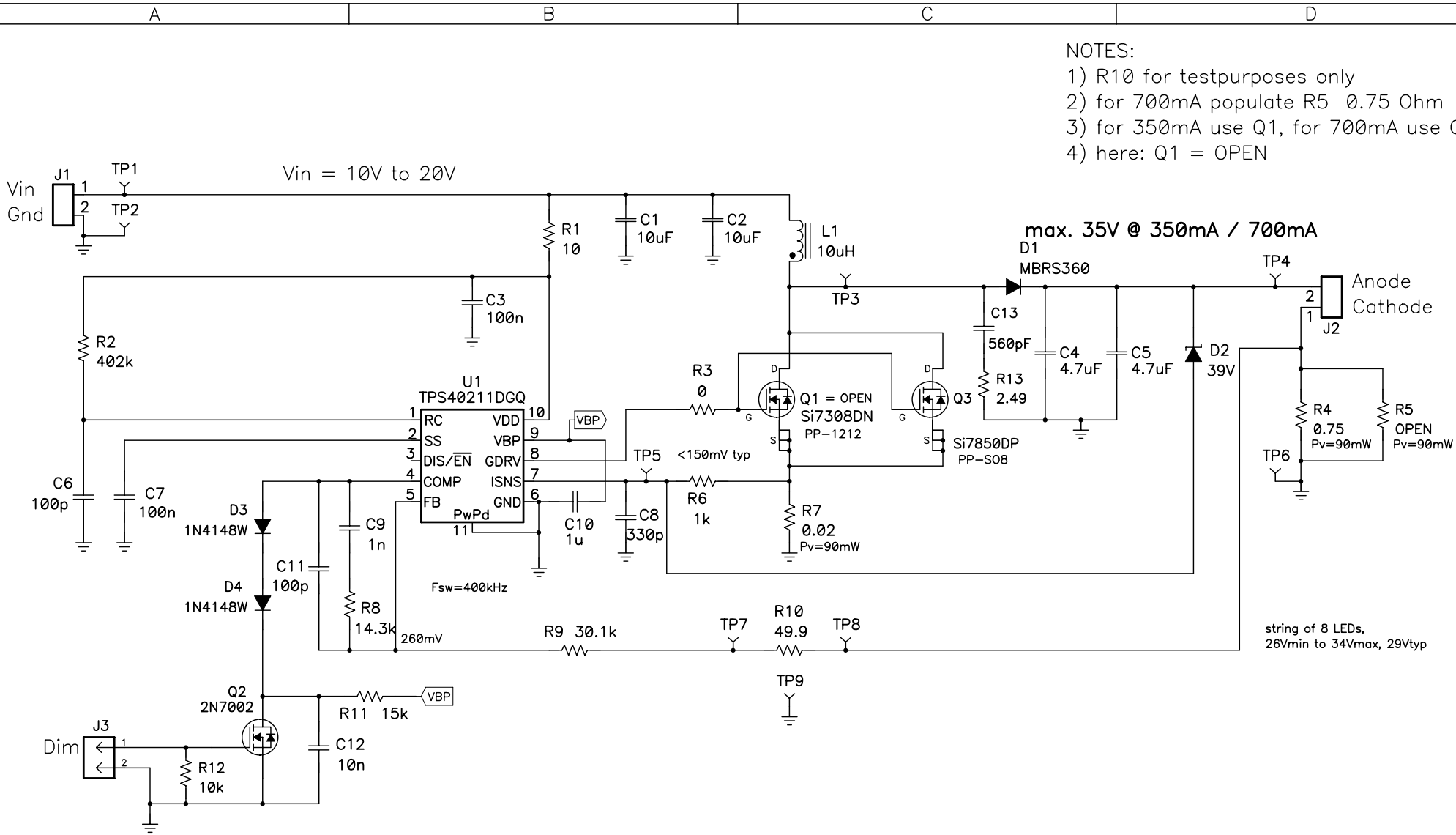
NOTES:
1) R10 for testpurposes only
2) for 700mA populate R5 0.75 Ohm
3) for 350mA use Q1, for 700mA use Q3
4) here: Q1 = OPEN
Vin = 10V to 20V
Vin
Gnd
J1
TP1
TP2
R1
10
C1
10uF
C2
10uF
L1
10uH
TP3
D1
MBRS360
max. 35V @ 350mA / 700mA
TP4
Anode
Cathode
J2
C3
100n
R2
402k
U1
TPS40211DGQ
RC
SS
DIS/EN
COMP
FB
VDD
VBP
GDRV
ISNS
GND
PwPd
R3
0
Q1 = OPEN
Si7308DN
PP-1212
Q3
Si7850DP
PP-SO8
C13
560pF
R13
2.49
C4
4.7uF
C5
4.7uF
D2
39V
R4
0.75
Pv=90mW
R5
OPEN
Pv=90mW
TP6
VBP
TP5
<150mV typ
R6
1k
R7
0.02
Pv=90mW
C6
100p
C7
100n
D3
1N4148W
C9
1n
C10
1u
C8
330p
C11
100p
D4
1N4148W
R8
14.3k
260mV
Fsw=400kHz
R9 30.1k
TP7
R10
49.9
TP8
TP9
string of 8 LEDs,
26Vmin to 34Vmax, 29Vtyp
Q2
2N7002
R11 15k
J3
Dim
R12
10k
C12
10n
built on PCB PMP4524RevB
Title
LED Boost 350mA/700mA w/ dimming
Size
B
Number
PMP4524
Rev
C
Date
03/06/2008
Drawn by
B.Geck
Filename
PMP4524RevC.SCH
Sheet 1 of 1

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