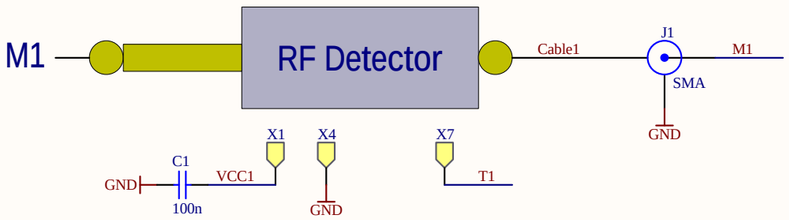
PN1 SMA adapter F-F
Pasternack
PE9380

U4 RF Detector
Mini-Circuits
ZX47-50LN-S+

Cable1 Cable
Pasternack
PE3574-3

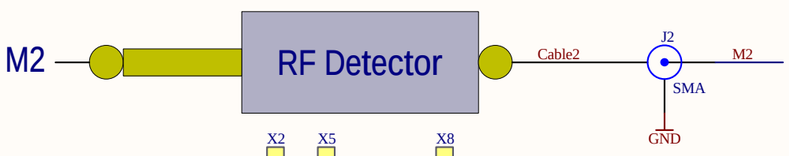


H1 M2.5 screw, 8mm
H2 M2.5 lock washer
H3 M2.5 nut
H10 M2.5 screw, 8mm
H11 M2.5 lock washer
H12 M2.5 nut
H19 M2.5 screw, 8mm
H20 M2.5 lock washer
H21 M2.5 nut

PN2 SMA adapter F-F
Pasternack
PE9380

U5 RF Detector
Mini-Circuits
ZX47-50LN-S+

Cable2 Cable
Pasternack
PE3574-3

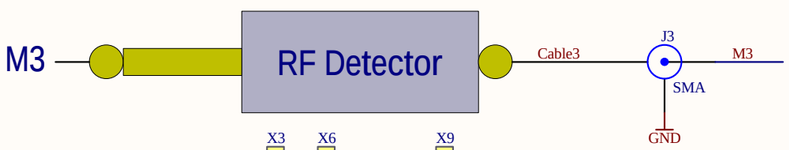


H4 M2.5 screw, 8mm
H5 M2.5 lock washer
H6 M2.5 nut
H13 M2.5 screw, 8mm
H14 M2.5 lock washer
H15 M2.5 nut
H22 M2.5 screw, 8mm
H23 M2.5 lock washer
H24 M2.5 nut

PN3 SMA adapter F-F
Pasternack
PE9380

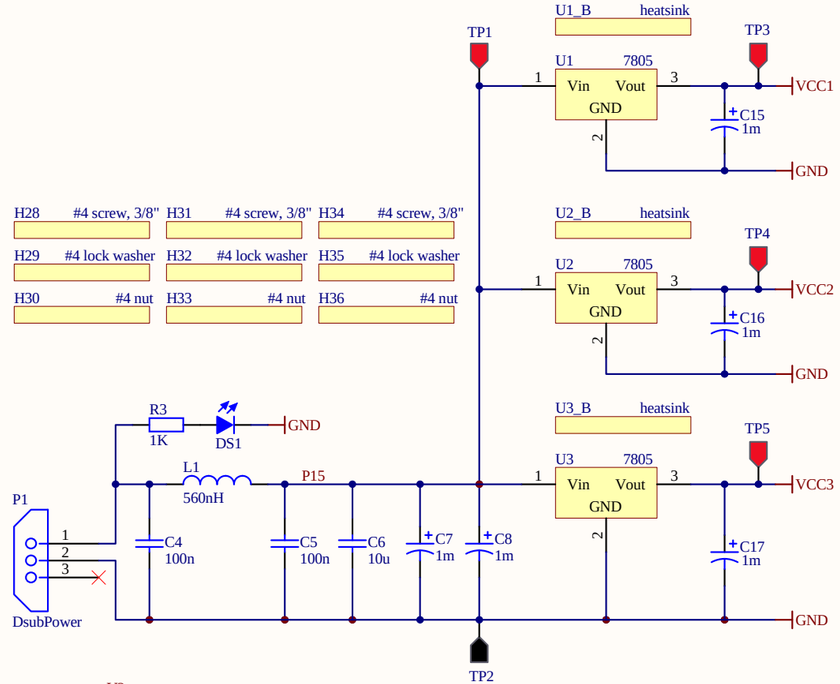
U6 RF Detector
Mini-Circuits
ZX47-50LN-S+

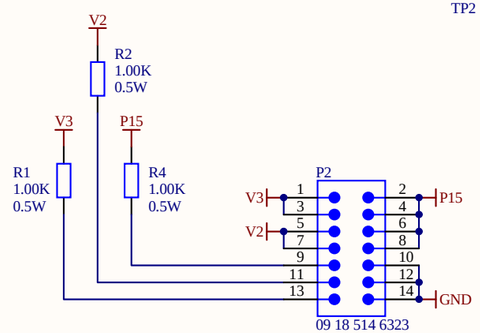
Cable3 Cable
Pasternack
PE3574-3

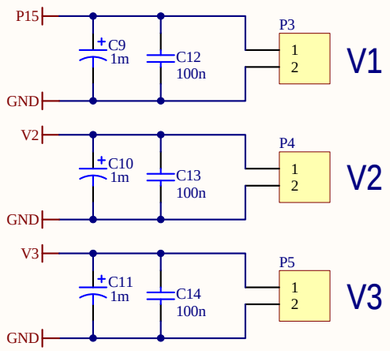


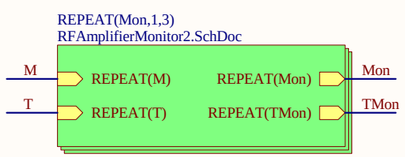
H7 M2.5 screw, 8mm
H8 M2.5 lock washer
H9 M2.5 nut
H16 M2.5 screw, 8mm
H17 M2.5 lock washer
H18 M2.5 nut
H25 M2.5 screw, 8mm
H26 M2.5 lock washer
H27 M2.5 nut

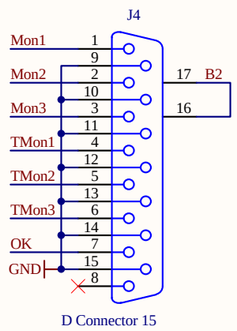
H28 #4 screw, 3/8"
H29 #4 lock washer
H30 #4 nut
H31 #4 screw, 3/8"
H32 #4 lock washer
H33 #4 nut
H34 #4 screw, 3/8"
H35 #4 lock washer
H36 #4 nut

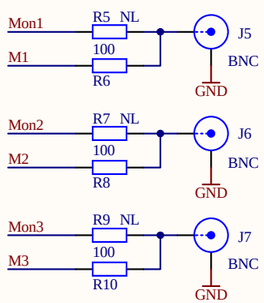




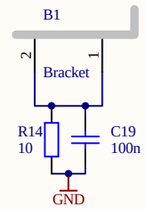




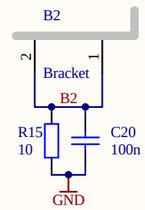


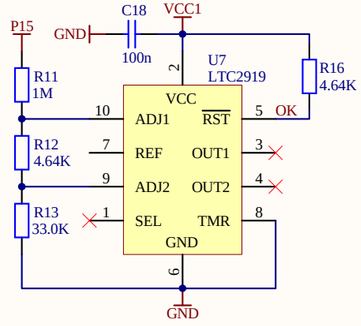


H37 #4 screw, 3/8"
H38 #4 screw, 3/8"
H39 #4 lock washer
H40 #4 lock washer
H41 #4 nut
H42 #4 nut



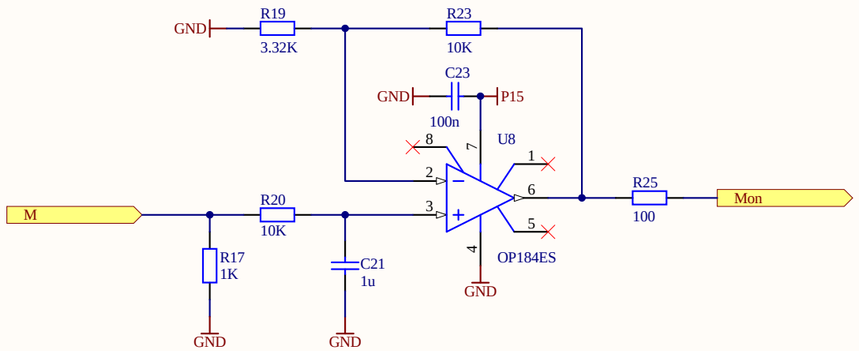
H43 #4 screw, 3/8"
H44 #4 screw, 3/8"
H45 #4 lock washer
H46 #4 lock washer
H47 #4 nut
H48 #4 nut





To make the BNC outputs slow monitors:
Move R6, R8 and R10 to R5, R7 and R9, respectively.

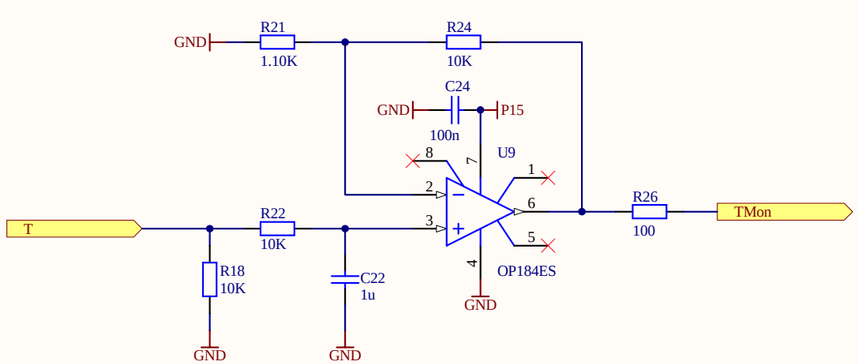
Title	**RF Distribution Amplifier: Monitor**	
Size: B	Number: **D080714**	Revision: **A**
Date: 11/25/2008		Sheet 1 of 2
File: C:\User\..\RFAmplifierMonitor1.SchDoc		Drawn By: Daniel Sigg



30 dBm	2.3V
20 dBm	3.2V
10 dBm	4.2V
0 dBm	5.2V
-10 dBm	6.2V
-20 dBm	7.2V
-30 dBm	8.0V

nominal slope: -100mV/dBm

P = 12 dBm - 10 dBm/V * (U - 4V)



T = 20°C + 50°C/V * (U - 6V)

Title	RF Distribution Amplifier: Monitor		
Size: B	Number: D080714	Revision: A	
Date: 11/25/2008		Sheet 2 of 2	
File: C:\User\..\RFAmplifierMonitor2.SchDoc		Drawn By: Daniel Sigg	