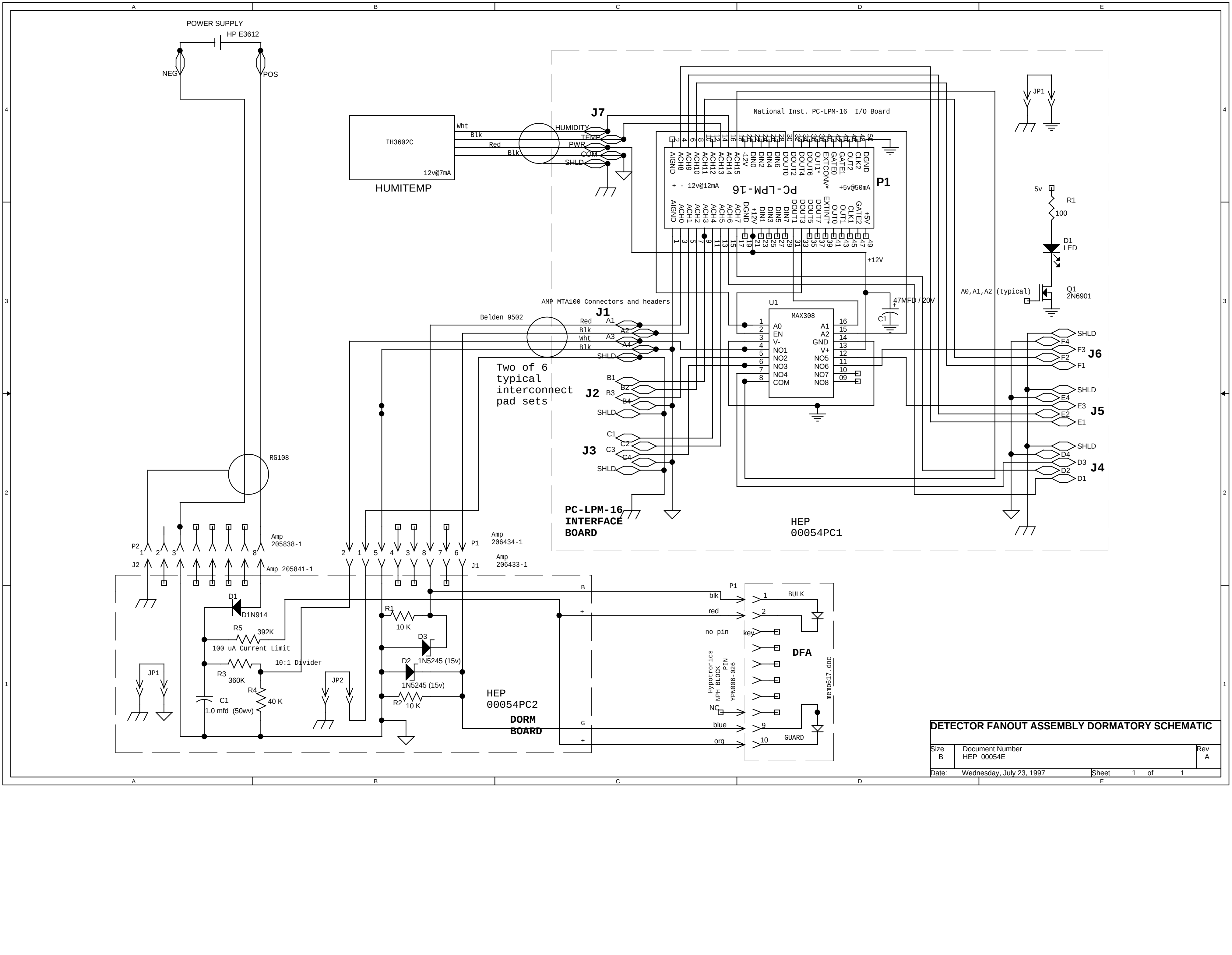
POWER SUPPLY
HP E3612
NEG
POS
IH3602C
12v@7mA
HUMITEMP
Wht
Blk
Red
Blk
J7
HUMIDITY
TEMP
PWR
COM
SHLD
National Inst. PC-LPM-16 I/O Board
AIGND ACH8 ACH9 ACH10 ACH11 ACH12 ACH13 ACH14 ACH15 -12V DIN0 DIN2 DIN4 DIN6 DOUT0 DOUT2 DOUT4 DOUT6 OUT1* EXTCONV* GATE0 OUT2 CLK2 DGND
+ - 12v@12mA
PC-LPM-16
+5v@50mA
P1
AIGND ACH0 ACH1 ACH2 ACH3 ACH4 ACH5 ACH6 ACH7 DGND +12V DIN1 DIN3 DIN5 DIN7 DOUT1 DOUT3 DOUT5 DOUT7 EXTINT* OUT0 CLK1 GATE2 +5V
+12V
AMP MTA100 Connectors and headers
Belden 9502
J1
Red
Blk
Wht
Blk
SHLD
A1 A2 A3 A4
Two of 6
typical
interconnect
pad sets
J2
B1 B2 B3 B4
SHLD
J3
C1 C2 C3 C4
SHLD
U1
MAX308
A0 EN V- NO1 NO2 NO3 NO4 COM
A1 A2 GND V+ NO5 NO6 NO7 NO8
47MFD / 20V
C1
JP1
5v
R1
100
D1
LED
A0,A1,A2 (typical)
Q1
2N6901
J6
SHLD F4 F3 F2 F1
J5
SHLD E4 E3 E2 E1
J4
SHLD D4 D3 D2 D1
PC-LPM-16
INTERFACE
BOARD
HEP
00054PC1
RG108
P2
J2
Amp
205838-1
Amp 205841-1
P1
Amp
206434-1
J1
Amp
206433-1
D1
D1N914
R5
392K
100 uA Current Limit
R3
360K
10:1 Divider
R4
40 K
C1
1.0 mfd (50wv)
JP1
JP2
R1
10 K
D3
1N5245 (15v)
D2
1N5245 (15v)
R2
10 K
HEP
00054PC2
DORM
BOARD
B
+
G
+
P1
blk
red
no pin
key
NC
blue
org
BULK
DFA
GUARD
Hypotronics
NPH BLOCK
PIN
YPN006-026
memo617.doc
DETECTOR FANOUT ASSEMBLY DORMATORY SCHEMATIC
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Sheet 1 of 1