NC
GND
OUT
VDD
VREF
IN
OUT
GND
VDD
Inverting AMP
Multiple Feedback
Band-Pass Filter
Low-Pass Filter
MICROCHIP
NC
GND
OUT
VDD
VREF
IN
OUT
GND
DIFF AMP
SK-HPF
SK-LPF
Voltage follower
MICROCHIP
GND
B
W
A
B
W
A
GND
MCP42U83-104:100k
10-Bit Dual-Channel DIGI-POT
VDD
MCLR
GND
DAT
CLK
RD7
RD6
RA3
RA2
RA1
RA0
RE3
RB7
RB6
RB5
RB4
RB3
RB2
RB1
RB0
GND
RD7
RD6
RD5
RD4
RC7
RC6
GND
VDD
GND
RA4
RA5
RE0
RE1
RE2
GND
RA7
RA6
RC0
RC1
RC2
RC3
RD0
RD1
RD2
RD3
RC4
RC5
GND
VOUT GND VIN SHDN
VOUT GND VIN EN
VDD = 3.5V-5.5V
1.8V GND VDD GND
VDD
GND
OUT
GND
MCP9700B
Analog
Output Temp
Sensor BBS
MICROCHIP
RST
5V
VOUT
3.3A
GND
OUTB
IN8+
OUTA
IN4+
REFFERENCE
SENSING
COUNTER
DVDD
J3
C6
C4
DGND
AVDD
J2
C5
C3
AGND
REFIN-
J17
AGND
REFIN+
C12
C11
AGND
ADC
CH0
CH7
AGND
DGND
J18
AGND
DVDD
R1
ADC
IRQ
J10
DVDD
J22
AVDD