

```

1 ' MATLAB Connection - ReadData.bs2
2 ' Read the data the MATLAB sent to it.
3 '
4 ' -----[ Notes ]-----
5 '
6 ' By: Aaron Klapheck
7 ' Date: 8-26-08
8 '
9 ' -----[ Program ]-----
10 '
11 ' {$STAMP BS2}
12 ' {$PBASIC 2.5}
13 '
14 ' -----[ Variables/Constants/Pins ]-----
15 '
16 FreqDetectable      CON      3000
17 PiezoSp              PIN       4           ' Speaker
18
19 serData              VAR       Word
20
21
22 counter              VAR       Word
23
24
25 ' -----[ Initialization ]-----
26
27 FREQOUT PiezoSp, 1500, FreqDetectable      'Signal program start/reset.
28
29 ' -----[ Program Code ]-----
30
31 FOR counter = 3 TO 22
32   READ counter, serData
33
34   DEBUG ? serData
35 NEXT
36
37 END
38

```