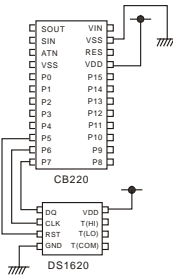


NOTE 8. DS1620 Digital Thermometer

The DS1620 is a digital thermometer. The chip internally has a temperature conversion table so the user does not have to make a separate conversion table. Temperature range between -55 and 125 degrees Celcius can be obtained by the DS1620 in units of 0.5 Degrees.



<Filename: ds1620.cul>

```

Const Device = CB280
Const iorst = 7
Const ioclk = 6
Const iodq = 5
Dim I As Integer

Delay 100
High iorst ' init dsl620
Shiftout ioclk,iodq,0,12,8
Shiftout ioclk,iodq,0,3,8
Low iorst

Do

```

1

```

High iorst
Shiftout ioclk,iodq,0,&haa,8
i = Shiftin(ioclk,iodq,4,9)
i = i
debug dec i,cr
Low iorst
Delay 100

```

Loop

The final value received can be divided into 2 to obtain the current temperature.
<END>

2