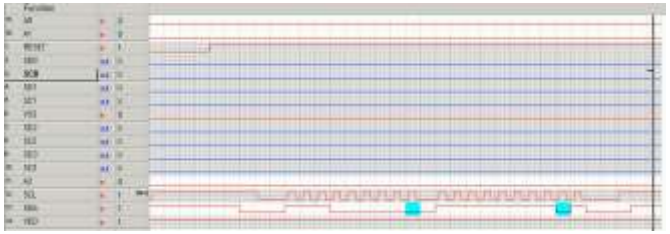
```
#include "Testplan.h"

//-----------------------------------------------------------------------------
//
// Task: Func
//
// Description:
//
// Revision history:
//
//-----------------------------------------------------------------------------

TASK_FUNCTION Func ()
{
  DWORD TestNumber;
   double VDD;

  BEGIN_TASK (FUNC_ID)

    // Update the die list
    GetDieList (gDieList);

    //Connect grounds to Abus ground for all tests
      GndConnectAbus    (ROW4);
      PinConnectAbus    (pinVSS, ROW4, gDieList) ;

         //Digital Setup
          PATTERN_ERR PattErr;
       DigTimeoutSet (5000L);
       DigPatternExecModeSet (STOP_AT_END_PATT);
```

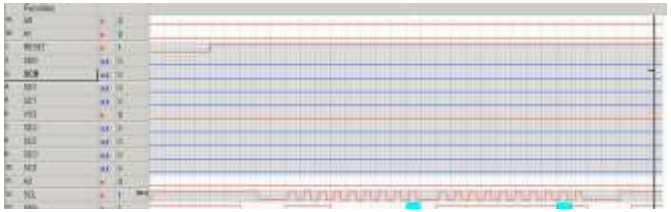
```
 TestNumber = 10001;
    BEGIN_TEST (TestNumber)

      // Update the die list
      GetDieList (gDieList);

       VDD = 5.5;
        PinConnectP4mu(pinVDD, gDieList);
        P4muSourceSet (pinVDD, RANGE_20V,VDD, P4R40mA, 40e-3, CONT, gDieList);
        P4muEnable    (pinVDD, gDieList);

//Digital pattern test
               DigDriverSet  ( pinOUTPIN3, VDD, 0, RANGE_7V, gDieList );
               DigDriverSet  ( pinSDA, 3.85, 1.65, RANGE_7V, gDieList );

               DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
               DigSensorSet(pinSDA, 3.5, 1.8, RANGE_7V, gDieList );

               DigLoadSet( pinSDA, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinSDA, gDieList );

       RunD ("VIL/VIH Func", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
       StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinAllpins, ALL, gDieList );
       PinDisconnectDigLoad ( pinSDA, gDieList );

    END_TEST
```

```
TEST / SETUP #  :  1200          VCC    :  5.500  V     THRESHOLD  :  5.500  V
MEASURE         :  FUNCTION      CLAMP  :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN        DELAY  :  10.00 MS     TDB VALUE  :  0.000  V
FUNC LINE ADDER :       0        OFFSET :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :   1545 PG 1    VILA   :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1592 PG 1    VIHA   :  5.500  V     T0 CYCLE   :  10.00 US
LOW  REJECT BIN :       2        VILB   :  1.650  V     T0 STOP    :  9.900 US
HIGH REJECT BIN :       2        VIHB   :  3.850  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V      VOLA   :  1.400  V     TG STOP    :  8.000 US
FORCE      VALUE :  NOT-USED     VOHA   :  1.400  V     STROBE     :  9.900 US
LOW        LIMIT :  NOT-USED     VOLB   :  1.800  V     IOL VALUE  :  500.0 UA
HIGH       LIMIT :  NOT-USED     VOHB   :  3.500  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #   51 ]=======  UNDER TEST :       1
F/M    : MACRO   = DISCONNECTED
FCN    : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA   : OUTPIN3 =  1  2  3 14 13
VINB   : OUTPIN1 = 15
VOUTA  : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB  : OUTPIN1 = 15
LOAD   : OUTPIN1 = 15
EXT    : MACRO   = DISCONNECTED
NOTE   : CHK VIL/VIH SCL
```



```
   TestNumber = 10002;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

//Digital pattern test
               DigDriverSet  ( pinOUTPIN4, VDD, 0, RANGE_7V, gDieList );
               DigDriverSet  ( pinSCL, 3.85, 1.65, RANGE_7V, gDieList );

               DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
               DigSensorSet(pinSDA, 3.5, 1.8, RANGE_7V, gDieList );

               DigLoadSet( pinSDA, 0.5e-3, 8e-3, R40mA,VDD, gDieList ) ;
```

```
TEST / SETUP #  :  1202          VCC    :  5.500  V     THRESHOLD  :  5.500  V
MEASURE         :  FUNCTION      CLAMP  :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN        DELAY  :  10.00 MS     TDB VALUE  :  0.000  V
FUNC LINE ADDER :       0        OFFSET :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :   1545 PG 1    VILA   :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1592 PG 1    VIHA   :  5.500  V     T0 CYCLE   :  10.00 US
LOW  REJECT BIN :       2        VILB   :  1.650  V     T0 STOP    :  9.900 US
HIGH REJECT BIN :       2        VIHB   :  3.850  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V      VOLA   :  1.400  V     TG STOP    :  8.000 US
FORCE      VALUE :  NOT-USED     VOHA   :  1.400  V     STROBE     :  9.900 US
LOW        LIMIT :  NOT-USED     VOLB   :  1.800  V     IOL VALUE  :  8.000 MA
HIGH       LIMIT :  NOT-USED     VOHB   :  3.500  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #   52 ]=======  UNDER TEST :       1
F/M    : MACRO   = DISCONNECTED
FCN    : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
```

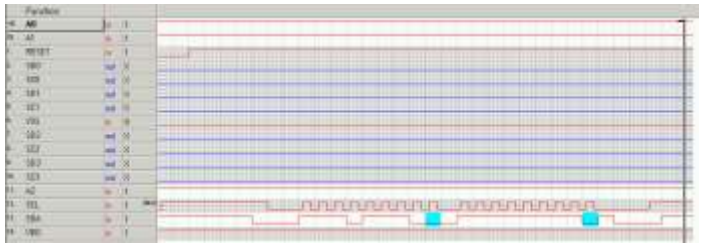


```
            PinConnectDig ( pinAllpins, ALL, gDieList );
            //PinConnectDigLoad ( pinSDA, gDieList );


      RunD ("VIL/VIH Func", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

      PinDisconnectDig ( pinAllpins, ALL, gDieList );
      //PinDisconnectDigLoad ( pinSDA, gDieList );
   END_TEST
```

```
VINA  : OUTPIN4 =  1  2  3 15 13
VINB  : OUTPIN2 = 14
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : OUTPIN1 = 15
LOAD  : OUTPIN1 = 15
EXT   : MACRO   = DISCONNECTED
NOTE  : CHK VIL/VIH SDA
```

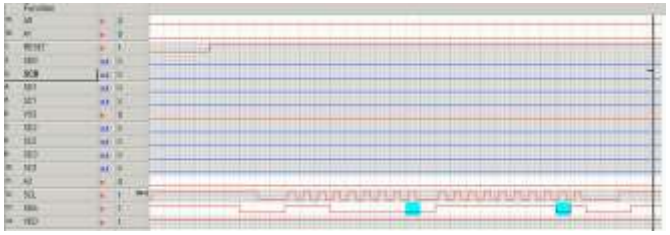
```
TestNumber = 10003;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

//Digital pattern test
               DigDriverSet  ( pinINPIN2, VDD, 0, RANGE_7V, gDieList );
               DigDriverSet  ( pinINPIN3, 3.85, 1.65, RANGE_7V, gDieList );

               DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
               DigSensorSet(pinSDA, 3.5, 1.8, RANGE_7V, gDieList );

               DigLoadSet( pinSDA, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

               PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinSDA, gDieList );

      RunD ("VIH ADR/RST", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

               PinDisconnectDig ( pinAllpins, ALL, gDieList );
               PinDisconnectDigLoad ( pinSDA, gDieList );
   END_TEST
```

```
TEST / SETUP #  :  1204          VCC     :  5.500  V     THRESHOLD  :  5.500  V
MEASURE         :  FUNCTION      CLAMP   :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN        DELAY   :  10.00 MS     TDB VALUE  :  0.000  V
FUNC LINE ADDER :       0        OFFSET  :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :   1593 PG 1    VILA    :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1642 PG 1    VIHA    :  5.500  V     T0 CYCLE   :  10.00 US
LOW  REJECT BIN :       2        VILB    :  1.650  V     T0 STOP    :  9.900 US
HIGH REJECT BIN :       2        VIHB    :  3.850  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V      VOLA    :  1.400  V     TG STOP    :  8.000 US
FORCE      VALUE :  NOT-USED     VOHA    :  1.400  V     STROBE     :  9.900 US
LOW        LIMIT :  NOT-USED     VOLB    :  1.800  V     IOL VALUE  :  500.0 UA
HIGH       LIMIT :  NOT-USED     VOHB    :  3.500  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  53 ]=======  UNDER TEST :       1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN2  = 14 15
VINB  : INPIN3  =  1  2  3 13
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : OUTPIN1 = 15
LOAD  : OUTPIN1 = 15
EXT   : MACRO   = DISCONNECTED
NOTE  : CHK VIH ADR/RESET
```



```
TestNumber = 10004;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

//Digital pattern test
               DigDriverSet  ( pinINPIN2, VDD, 0, RANGE_7V, gDieList );
               DigDriverSet  ( pinINPIN3,3.85 ,1.65, RANGE_7V, gDieList );

               DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
               DigSensorSet(pinSDA, 3.5, 1.8, RANGE_7V, gDieList );

               DigLoadSet( pinSDA, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

               PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinSDA, gDieList );

      RunD ("VIL/VIH Func", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

      PinDisconnectDig ( pinAllpins, ALL, gDieList );
      PinDisconnectDigLoad ( pinSDA, gDieList );

      P4muSourceSet (pinVDD, RANGE_20V, 0, P4R40mA, 40e-3, CONT, gDieList);

   END_TEST
```

```
TEST / SETUP #  :  1206          VCC     :  5.500  V     THRESHOLD  :  5.500  V
MEASURE         :  FUNCTION      CLAMP   :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN        DELAY   :  10.00 MS     TDB VALUE  :  0.000  V
FUNC LINE ADDER :       0        OFFSET  :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :   1545 PG 1    VILA    :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1592 PG 1    VIHA    :  5.500  V     T0 CYCLE   :  10.00 US
LOW  REJECT BIN :       2        VILB    :  1.650  V     T0 STOP    :  9.900 US
HIGH REJECT BIN :       2        VIHB    :  3.850  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V      VOLA    :  1.400  V     TG STOP    :  8.000 US
FORCE      VALUE :  NOT-USED     VOHA    :  1.400  V     STROBE     :  9.900 US
LOW        LIMIT :  NOT-USED     VOLB    :  1.800  V     IOL VALUE  :  500.0 UA
HIGH       LIMIT :  NOT-USED     VOHB    :  3.500  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  54 ]=======  UNDER TEST :       1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN2  = 14 15
VINB  : INPIN3  =  1  2  3 13
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : OUTPIN1 = 15
LOAD  : OUTPIN1 = 15
EXT   : MACRO   = DISCONNECTED
NOTE  : CHK VIL ADR
```



```
TestNumber = 10005;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

      VDD = 3.6;
      P4muSourceSet (pinVDD, RANGE_20V,VDD, P4R40mA, 40e-3, CONT, gDieList);
```

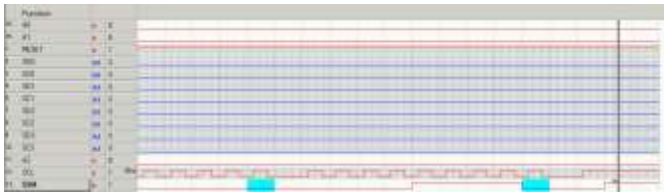
```
TEST / SETUP #  :   390          VCC     :  3.600  V     THRESHOLD  :  3.600  V
MEASURE         :  FUNCTION      CLAMP   :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN        DELAY   :  20.00 MS     TDB VALUE  :  0.000  V
FUNC LINE ADDER :       0        OFFSET  :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :   1541 PG 1    VILA    :  1.080  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1544 PG 1    VIHA    :  3.600  V     T0 CYCLE   :  10.00 US
LOW  REJECT BIN :       2        VILB    :  0.000  V     T0 STOP    :  9.000 US
HIGH REJECT BIN :       2        VIHB    :  3.600  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V      VOLA    :  1.400  V     TG STOP    :  8.000 US
```

```
//Digital pattern test
              DigDriverSet   ( pinINPIN7, 3.6, 1.080, RANGE_7V, gDieList );

              DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
              DigSensorSet(pinINPIN4, 2, 0.5, RANGE_7V, gDieList );

              DigLoadSet( pinINPIN4, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinINPIN4, gDieList );

      RunD ("HIFCN_RESET_VIL", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinAllpins, ALL, gDieList );
        PinDisconnectDigLoad ( pinINPIN4, gDieList );
   END_TEST
```

```
FORCE     VALUE :  NOT-USED     VOHA   :  1.400  V     STROBE     :  9.000 US
LOW       LIMIT :  NOT-USED     VOLB   :  500.0 MV    IOL VALUE  :  500.0 UA
HIGH      LIMIT :  NOT-USED     VOHB   :  2.000  V    IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  16 ]=======  UNDER TEST :      1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN7  = 14 15  1  2  3 13
VINB  : MACRO   = NOT SELECTED
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : INPIN4  =  4  5  6  7  9 10 11 12
LOAD  : INPIN4  =  4  5  6  7  9 10 11 12
EXT   : MACRO   = DISCONNECTED
NOTE  : RESET AT VIL
```

```
TestNumber = 10006;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

      VDD = 3.6;
      P4muSourceSet (pinVDD, RANGE_20V,VDD, P4R40mA, 40e-3, CONT, gDieList);

//Digital pattern test
              DigDriverSet   ( pinINPIN7, 3.6, 0, RANGE_7V, gDieList );

              DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
              DigSensorSet(pinSDA, 1.1, 0.5, RANGE_7V, gDieList );

              DigLoadSet( pinSDA, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinSDA, gDieList );

      RunD ("HIFCN_ENABLE_ALL", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinAllpins, ALL, gDieList );
        PinDisconnectDigLoad ( pinSDA, gDieList );

   END_TEST
```

```
TEST / SETUP #  :  375          VCC    :  3.600  V    THRESHOLD  :  3.600  V
MEASURE         :  FUNCTION     CLAMP  :  NOT-USED    TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN       DELAY  :  10.00 MS    TDB VALUE  :  0.000  V
FUNC LINE ADDER :      0        OFFSET :  0.000  V    TTB - LOW  :  0.000  V
FIRST FUNC LINE :    571 PG 1   VILA   :  0.000  V    TTA - HIGH :  0.000  V
LAST  FUNC LINE :    618 PG 1   VIHA   :  3.600  V    T0 CYCLE   :  1.200 US
LOW  REJECT BIN :      2        VILB   :  0.000  V    T0 STOP    :  1.000 US
HIGH REJECT BIN :      2        VIHB   :  3.600  V    TG START   :  100.0 NS
F/M-VCC  OFFSET :  0.000  V     VOLA   :  1.400  V    TG STOP    :  1.000 US
FORCE     VALUE :  NOT-USED     VOHA   :  1.400  V    STROBE     :  1.100 US
LOW       LIMIT :  NOT-USED     VOLB   :  500.0 MV    IOL VALUE  :  500.0 UA
HIGH      LIMIT :  NOT-USED     VOHB   :  1.100  V    IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  17 ]=======  UNDER TEST :      1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN7  = 14 15  1  2  3 13
VINB  : MACRO   = NOT SELECTED
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : INPIN6  = 15
LOAD  : INPIN6  = 15
EXT   : MACRO   = DISCONNECTED
NOTE  : ENABLE ALL PASS GATES
```



```
TestNumber = 10007;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

//Digital pattern test
              DigDriverSet   ( pinINPIN1, VDD, 0, RANGE_7V, gDieList );

              DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );

              DigLoadSet( pinINPIN1, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinINPIN1, ALL, gDieList );
               PinConnectDigLoad ( pinINPIN1, gDieList );

      RunD ("ISTBH", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinINPIN1, ALL, gDieList );
        PinDisconnectDigLoad ( pinINPIN1, gDieList );

   END_TEST
```

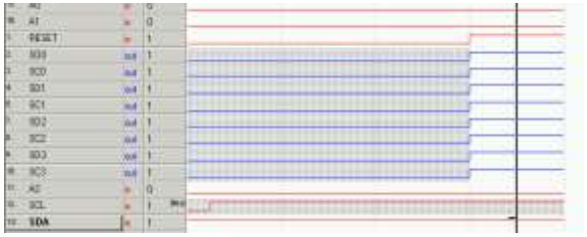
```
TEST / SETUP #  :  598          VCC    :  0.000  V    THRESHOLD  :  3.600  V
MEASURE         :  FUNCTION     CLAMP  :  NOT-USED    TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN       DELAY  :  5.000 MS    TDB VALUE  :  0.000  V
FUNC LINE ADDER :      0        OFFSET :  0.000  V    TTB - LOW  :  0.000  V
FIRST FUNC LINE :     12 PG 1   VILA   :  0.000  V    TTA - HIGH :  0.000  V
LAST  FUNC LINE :     12 PG 1   VIHA   :  3.600  V    T0 CYCLE   :  40.00 US
LOW  REJECT BIN :      2        VILB   :  0.000  V    T0 STOP    :  39.90 US
HIGH REJECT BIN :      2        VIHB   :  3.600  V    TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V     VOLA   :  1.400  V    TG STOP    :  38.00 US
FORCE     VALUE :  NOT-USED     VOHA   :  1.400  V    STROBE     :  39.00 US
LOW       LIMIT :  NOT-USED     VOLB   :  500.0 MV    IOL VALUE  :  500.0 UA
HIGH      LIMIT :  NOT-USED     VOHB   :  2.000  V    IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  38 ]=======  UNDER TEST :      1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VINB  : MACRO   = NOT SELECTED
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : MACRO   = NOT SELECTED
LOAD  : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
EXT   : MACRO   = DISCONNECTED
NOTE  : RESET
```

```
   TestNumber = 10008;
   BEGIN_TEST (TestNumber)

     // Update the die list
```

```
TEST / SETUP #  :  625          VCC    :  0.000  V    THRESHOLD  :  3.600  V
MEASURE         :  FUNCTION     CLAMP  :  NOT-USED    TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN       DELAY  :  5.000 MS    TDB VALUE  :  0.000  V
FUNC LINE ADDER :      0        OFFSET :  0.000  V    TTB - LOW  :  0.000  V
```

```
    GetDieList (gDieList);

      VDD = 3.6;
      P4muSourceSet (pinVDD, RANGE_20V,VDD, P4R40mA, 40e-3, CONT, gDieList);

//Digital pattern test
              DigDriverSet   ( pinINPIN1, VDD, 0, RANGE_7V, gDieList );

              DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
              DigSensorSet(pinINPIN4, 2, 0.5, RANGE_7V, gDieList );

              DigLoadSet( pinINPIN4, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinINPIN4, gDieList );

      RunD ("HIFCN_RESET_VIL", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinAllpins, ALL, gDieList );
        PinDisconnectDigLoad ( pinINPIN4, gDieList );

   END_TEST
```

```
FIRST FUNC LINE :   1541 PG 1   VILA   :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :   1544 PG 1   VIHA   :  3.600  V     T0 CYCLE   :  40.00 US
LOW  REJECT BIN :      2        VILB   :  0.000  V     T0 STOP    :  39.90 US
HIGH REJECT BIN :      2        VIHB   :  3.600  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V     VOLA   :  1.400  V     TG STOP    :  38.00 US
FORCE     VALUE :  NOT-USED     VOHA   :  1.400  V     STROBE     :  39.00 US
LOW       LIMIT :  NOT-USED     VOLB   :  500.0 MV     IOL VALUE  :  500.0 UA
HIGH      LIMIT :  NOT-USED     VOHB   :  2.000  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  45 ]=======  UNDER TEST :      1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VINB  : MACRO   = NOT SELECTED
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : INPIN4  =  4  5  6  7  9 10 11 12
LOAD  : INPIN4  =  4  5  6  7  9 10 11 12
EXT   : MACRO   = DISCONNECTED
NOTE  : RESET
```



```
TestNumber = 10009;
   BEGIN_TEST (TestNumber)

     // Update the die list
     GetDieList (gDieList);

      VDD = 3.6;
      P4muSourceSet (pinVDD, RANGE_20V,VDD, P4R40mA, 40e-3, CONT, gDieList);

//Digital pattern test
              DigDriverSet   ( pinINPIN1, VDD, 0, RANGE_7V, gDieList );

              DigSensorSet(pinINPIN1, 1.4, 1.4, RANGE_7V, gDieList );
              DigSensorSet(pinSDA, 2, 0.5, RANGE_7V, gDieList );

              DigLoadSet( pinSDA, 0.5e-3, 0.5e-3, R40mA,VDD, gDieList ) ;

              PinConnectDig ( pinAllpins, ALL, gDieList );
               PinConnectDigLoad ( pinSDA, gDieList );

      RunD ("HIFCN_READ_IOL", RNORM, &PattErr, NC_STEP, NC_STEP, TM_LOAD );
      StoreDigResult( TestNumber, &PattErr, gDieList );

       PinDisconnectDig ( pinAllpins, ALL, gDieList );
        PinDisconnectDigLoad ( pinSDA, gDieList );

   END_TEST
```

```
TEST / SETUP #  :  698          VCC    :  3.600  V     THRESHOLD  :  3.600  V
MEASURE         :  FUNCTION     CLAMP  :  NOT-USED     TDA VALUE  :  0.000  V
PARAMETER NAME  :  HI FCN       DELAY  :  0.000  S     TDB VALUE  :  0.000  V
FUNC LINE ADDER :      0        OFFSET :  0.000  V     TTB - LOW  :  0.000  V
FIRST FUNC LINE :    483 PG 1   VILA   :  0.000  V     TTA - HIGH :  0.000  V
LAST  FUNC LINE :    519 PG 1   VIHA   :  3.600  V     T0 CYCLE   :  40.00 US
LOW  REJECT BIN :      2        VILB   :  0.000  V     T0 STOP    :  39.90 US
HIGH REJECT BIN :      2        VIHB   :  3.600  V     TG START   :  1.000 US
F/M-VCC  OFFSET :  0.000  V     VOLA   :  1.400  V     TG STOP    :  38.00 US
FORCE     VALUE :  NOT-USED     VOHA   :  1.400  V     STROBE     :  39.00 US
LOW       LIMIT :  NOT-USED     VOLB   :  500.0 MV     IOL VALUE  :  500.0 UA
HIGH      LIMIT :  NOT-USED     VOHB   :  2.000  V     IOH VALUE  : -500.0 UA
=======[ FILE NAME PCA9546A.FRB  GROUP #  46 ]=======  UNDER TEST :      1
F/M   : MACRO   = DISCONNECTED
FCN   : ALLPINS = 14 15  1  2 13  3  4  5  6  7  9 10 11 12
VINA  : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VINB  : MACRO   = NOT SELECTED
VOUTA : INPIN1  =  1  3  2  4  6  9  5  7 10 12 11 14 15 13
VOUTB : OUTPIN1 = 15
LOAD  : OUTPIN1 = 15
EXT   : MACRO   = DISCONNECTED
NOTE  : READ
```