

Product Change Notification - IIRA-22KPRZ871

Date: 22 Aug 2014

Product Category: 16-bit Microcontrollers and Digital Signal Controllers; Analog (Linear & Mixed Signal) AND Interface; 8-bit Microcontrollers; 32-bit PIC Microcontrollers

Notification subject: CCB 1420 Final Notice: Qualification of C194 lead-frame in 64L and 44L TQFP (10x10) packages at ANAP (ATP) assembly site

Notification text: **PCN Status:**
Final notification

Microchip Parts Affected:

See attachments of affected catalog part numbers (CPN) labeled as...

PCN_IIRA-22KPRZ871_Affected_CPN.xls

PCN_IIRA-22KPRZ871_Affected_CPN.pdf

Description of Change:

Qualification of C194 lead-frame in 64L and 44L TQFP (10x10) packages at ANAP (ATP) assembly site.

Pre Change:

EFTECT-64T lead-frame material

Post Change:

C194 lead-frame material

Impacts to Data Sheet:

None

Reason for Change:

To improve on-time delivery performance

Change Implementation Status:

Complete

Estimated First Ship Date:

September 1, 2014 (date code: 1431)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Markings to Distinguish Revised from Unrevised Devices:

Traceability code

Revision History:

June 3, 2014: Issued initial notification.

August 22, 2014: Issued final notification. Attached the qualification report.

Corrected the typographical error on the Qualification Report (not a change to the plan) for the die attach epoxy material from 8290 (as stated on the Qual Plan) to 3230 (Final Qual Report). Revised the estimated first ship date from August 1, 2014 to September 1, 2014.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):

[PCN_IIRA-22KPRZ871_Qual Report.pdf](#) [PCN_IIRA-22KPRZ871_Affected CPN.pdf](#) [PCN_IIRA-22KPRZ871_Affected CPN.xlsx](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to change your product/process change notification (PCN) profile please log on to our website at <http://www.microchip.com/PCN> sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchipDIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC30F2023-20E/PT
DSPIC30F2023-20E/PTC01
DSPIC30F2023-30I/PT
DSPIC30F2023T-30I/PT
DSPIC30F5015-20E/PT
DSPIC30F5015-20E/PTVAO
DSPIC30F5015-30I/PT
DSPIC30F5015T-20E/PT
DSPIC30F5015T-30I/PT
DSPIC30F6011A-20E/PT
DSPIC30F6011A-30I/PT
DSPIC30F6011AT-20E/PT
DSPIC30F6011AT-30I/PT
DSPIC30F6012A-20E/PT
DSPIC30F6012A-30I/PT
DSPIC30F6012AT-20E/PT
DSPIC30F6012AT-30I/PT
DSPIC30F6015-20E/PT
DSPIC30F6015-20E/PTC01
DSPIC30F6015-30I/PT
DSPIC30F6015-30I/PT020
DSPIC30F6015-30I/PT021
DSPIC30F6015T-20E/PT
DSPIC30F6015T-30I/PT
DSPIC30F6015T-30I/PT020
DSPIC30F6015T-30I/PT021
DSPIC30F6015T-30I/PT022
DSPIC33FJ128GP204-E/PT
DSPIC33FJ128GP204-I/PT
DSPIC33FJ128GP204T-E/PT
DSPIC33FJ128GP204T-I/PT
DSPIC33FJ128GP206A-E/PT
DSPIC33FJ128GP206A-I/PT
DSPIC33FJ128GP206AT-E/PT
DSPIC33FJ128GP206AT-I/PT
DSPIC33FJ128GP206-I/PT
DSPIC33FJ128GP206T-I/PT
DSPIC33FJ128GP306A-E/PT
DSPIC33FJ128GP306A-I/PT
DSPIC33FJ128GP306A-I/PT039
DSPIC33FJ128GP306AT-E/PT
DSPIC33FJ128GP306AT-I/PT
DSPIC33FJ128GP306-I/PT
DSPIC33FJ128GP306T-I/PT
DSPIC33FJ128GP706A-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC33FJ128GP706A-H/PT
DSPIC33FJ128GP706A-I/PT
DSPIC33FJ128GP706AT-E/PT
DSPIC33FJ128GP706AT-E/PTVAO
DSPIC33FJ128GP706AT-H/PT
DSPIC33FJ128GP706AT-H/PTV08
DSPIC33FJ128GP706AT-I/PT
DSPIC33FJ128GP706-I/PT
DSPIC33FJ128GP706-I/PTB21
DSPIC33FJ128GP706-I/PTB22
DSPIC33FJ128GP706T-I/PT
DSPIC33FJ128GP706T-I/PT025
DSPIC33FJ128GP706T-I/PTB21
DSPIC33FJ128GP706T-I/PTB22
DSPIC33FJ128GP804-E/PT
DSPIC33FJ128GP804-H/PT
DSPIC33FJ128GP804-I/PT
DSPIC33FJ128GP804T-E/PT
DSPIC33FJ128GP804T-H/PT
DSPIC33FJ128GP804T-I/PT
DSPIC33FJ128MC204-E/PT
DSPIC33FJ128MC204-I/PT
DSPIC33FJ128MC204T-E/PT
DSPIC33FJ128MC204T-I/PT
DSPIC33FJ128MC506A-E/PT
DSPIC33FJ128MC506A-H/PT
DSPIC33FJ128MC506A-H/PTVAO
DSPIC33FJ128MC506A-I/PT
DSPIC33FJ128MC506AT-E/PT
DSPIC33FJ128MC506AT-H/PT
DSPIC33FJ128MC506AT-H/PTV09
DSPIC33FJ128MC506AT-H/PTVAO
DSPIC33FJ128MC506AT-I/PT
DSPIC33FJ128MC506-I/PT
DSPIC33FJ128MC706A-E/PT
DSPIC33FJ128MC706A-H/PT
DSPIC33FJ128MC706A-I/PT
DSPIC33FJ128MC706AT-E/PT
DSPIC33FJ128MC706AT-H/PT
DSPIC33FJ128MC706AT-I/PT
DSPIC33FJ128MC706-I/PT
DSPIC33FJ128MC706T-I/PT
DSPIC33FJ128MC706T-I/PTC26
DSPIC33FJ128MC804-E/PT
DSPIC33FJ128MC804-E/PTVAO

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC33FJ128MC804-H/PT
DSPIC33FJ128MC804-I/PT
DSPIC33FJ128MC804T-E/PT
DSPIC33FJ128MC804T-E/PTVAO
DSPIC33FJ128MC804T-H/PT
DSPIC33FJ128MC804T-I/PT
DSPIC33FJ16GP304-E/PT
DSPIC33FJ16GP304-I/PT
DSPIC33FJ16GP304T-E/PT
DSPIC33FJ16GP304T-I/PT
DSPIC33FJ16MC304-E/PT
DSPIC33FJ16MC304-H/PT
DSPIC33FJ16MC304-I/PT
DSPIC33FJ16MC304T-E/PT
DSPIC33FJ16MC304T-E/PTV01
DSPIC33FJ16MC304T-H/PT
DSPIC33FJ16MC304T-I/PT
DSPIC33FJ256GP506A-E/PT
DSPIC33FJ256GP506A-I/PT
DSPIC33FJ256GP506AT-E/PT
DSPIC33FJ256GP506AT-I/PT
DSPIC33FJ256GP506AT-I/PTV11
DSPIC33FJ256GP506AT-I/PTVAO
DSPIC33FJ256GP506-I/PT
DSPIC33FJ256GP506T-I/PT
DSPIC33FJ256GP506T-I/PT032
DSPIC33FJ256GP506T-I/PT033
DSPIC33FJ32GP104-E/PT
DSPIC33FJ32GP104-I/PT
DSPIC33FJ32GP104T-E/PT
DSPIC33FJ32GP104T-I/PT
DSPIC33FJ32GP204-E/PT
DSPIC33FJ32GP204-H/PT
DSPIC33FJ32GP204-I/PT
DSPIC33FJ32GP204T-E/PT
DSPIC33FJ32GP204T-H/PT
DSPIC33FJ32GP204T-I/PT
DSPIC33FJ32GP304-E/PT
DSPIC33FJ32GP304-I/PT
DSPIC33FJ32GP304T-E/PT
DSPIC33FJ32GP304T-I/PT
DSPIC33FJ32GS406-50I/PT
DSPIC33FJ32GS406-E/PT
DSPIC33FJ32GS406-I/PT
DSPIC33FJ32GS406T-50I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC33FJ32GS406T-E/PT
DSPIC33FJ32GS406T-I/PT
DSPIC33FJ32GS606-50I/PT
DSPIC33FJ32GS606-E/PT
DSPIC33FJ32GS606-E/PTVAO
DSPIC33FJ32GS606-I/PT
DSPIC33FJ32GS606-I/PTD23
DSPIC33FJ32GS606-I/PTD25
DSPIC33FJ32GS606T-50I/PT
DSPIC33FJ32GS606T-E/PT
DSPIC33FJ32GS606T-E/PTV02
DSPIC33FJ32GS606T-E/PTVAO
DSPIC33FJ32GS606T-I/PT
DSPIC33FJ32GS606T-I/PTC01
DSPIC33FJ32GS606T-I/PTC04
DSPIC33FJ32GS606T-I/PTD23
DSPIC33FJ32GS606T-I/PTD25
DSPIC33FJ32MC104-E/PT
DSPIC33FJ32MC104-I/PT
DSPIC33FJ32MC104T-E/PT
DSPIC33FJ32MC104T-I/PT
DSPIC33FJ32MC204-E/PT
DSPIC33FJ32MC204-E/PTV03
DSPIC33FJ32MC204-E/PTV07
DSPIC33FJ32MC204-H/PT
DSPIC33FJ32MC204-H/PTV02
DSPIC33FJ32MC204-H/PTV04
DSPIC33FJ32MC204-H/PTV06
DSPIC33FJ32MC204-I/PT
DSPIC33FJ32MC204T-E/PT
DSPIC33FJ32MC204T-E/PTV07
DSPIC33FJ32MC204T-H/PT
DSPIC33FJ32MC204T-H/PTO20
DSPIC33FJ32MC204T-H/PTV02
DSPIC33FJ32MC204T-H/PTV04
DSPIC33FJ32MC204T-H/PTV06
DSPIC33FJ32MC204T-I/PT
DSPIC33FJ32MC304-E/PT
DSPIC33FJ32MC304-I/PT
DSPIC33FJ32MC304T-E/PT
DSPIC33FJ32MC304T-I/PT
DSPIC33FJ64GP204-E/PT
DSPIC33FJ64GP204-I/PT
DSPIC33FJ64GP204T-E/PT
DSPIC33FJ64GP204T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC33FJ64GP206A-E/PT
DSPIC33FJ64GP206A-I/PT
DSPIC33FJ64GP206AT-E/PT
DSPIC33FJ64GP206AT-I/PT
DSPIC33FJ64GP206AT-I/PT032
DSPIC33FJ64GP206-I/PT
DSPIC33FJ64GP206T-I/PT
DSPIC33FJ64GP206T-I/PT021
DSPIC33FJ64GP306A-E/PT
DSPIC33FJ64GP306A-I/PT
DSPIC33FJ64GP306A-I/PT037
DSPIC33FJ64GP306AT-E/PT
DSPIC33FJ64GP306AT-I/PT
DSPIC33FJ64GP306-I/PT
DSPIC33FJ64GP306-I/PT020
DSPIC33FJ64GP306T-I/PT
DSPIC33FJ64GP706A-E/PT
DSPIC33FJ64GP706A-I/PT
DSPIC33FJ64GP706AT-E/PT
DSPIC33FJ64GP706AT-I/PT
DSPIC33FJ64GP706-I/PT
DSPIC33FJ64GP706T-I/PT
DSPIC33FJ64GP804-E/PT
DSPIC33FJ64GP804-I/PT
DSPIC33FJ64GP804T-E/PT
DSPIC33FJ64GP804T-I/PT
DSPIC33FJ64GS406-50I/PT
DSPIC33FJ64GS406-E/PT
DSPIC33FJ64GS406-I/PT
DSPIC33FJ64GS406T-50I/PT
DSPIC33FJ64GS406T-E/PT
DSPIC33FJ64GS406T-I/PT
DSPIC33FJ64GS606-50I/PT
DSPIC33FJ64GS606-E/PT
DSPIC33FJ64GS606-I/PT
DSPIC33FJ64GS606-I/PTD22
DSPIC33FJ64GS606T-50I/PT
DSPIC33FJ64GS606T-E/PT
DSPIC33FJ64GS606T-E/PTV01
DSPIC33FJ64GS606T-E/PTV03
DSPIC33FJ64GS606T-I/PT
DSPIC33FJ64GS606T-I/PTD22
DSPIC33FJ64MC204-E/PT
DSPIC33FJ64MC204-I/PT
DSPIC33FJ64MC204T-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
DSPIC33FJ64MC204T-I/PT
DSPIC33FJ64MC204T-I/PT034
DSPIC33FJ64MC204T-I/PTC21
DSPIC33FJ64MC506A-E/PT
DSPIC33FJ64MC506A-H/PT
DSPIC33FJ64MC506A-I/PT
DSPIC33FJ64MC506AT-E/PT
DSPIC33FJ64MC506AT-E/PTVAO
DSPIC33FJ64MC506AT-H/PT
DSPIC33FJ64MC506AT-I/PT
DSPIC33FJ64MC506AT-I/PT022
DSPIC33FJ64MC506AT-I/PT023
DSPIC33FJ64MC506AT-I/PT025
DSPIC33FJ64MC506AT-I/PT026
DSPIC33FJ64MC506AT-I/PT027
DSPIC33FJ64MC506AT-I/PT029
DSPIC33FJ64MC506AT-I/PT034
DSPIC33FJ64MC506AT-I/PTC27
DSPIC33FJ64MC506-I/PT
DSPIC33FJ64MC506-I/PTC21
DSPIC33FJ64MC506T-I/PT
DSPIC33FJ64MC506T-I/PT028
DSPIC33FJ64MC506T-I/PT029
DSPIC33FJ64MC506T-I/PT030
DSPIC33FJ64MC506T-I/PTC21
DSPIC33FJ64MC506T-I/PTC22
DSPIC33FJ64MC706A-E/PT
DSPIC33FJ64MC706A-I/PT
DSPIC33FJ64MC706AT-E/PT
DSPIC33FJ64MC706AT-I/PT
DSPIC33FJ64MC706-I/PT
DSPIC33FJ64MC706T-I/PT
DSPIC33FJ64MC804-E/PT
DSPIC33FJ64MC804-E/PTVAO
DSPIC33FJ64MC804-H/PT
DSPIC33FJ64MC804-I/PT
DSPIC33FJ64MC804T-E/PT
DSPIC33FJ64MC804T-E/PTV08
DSPIC33FJ64MC804T-E/PTVAO
DSPIC33FJ64MC804T-H/PT
DSPIC33FJ64MC804T-I/PT
ENC424J600-I/PT
ENC424J600T-I/PT
ENC624J600-I/PT
ENC624J600T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
HA1574T-I/PT
HA2027-I/PT
HA2027T-I/PT
HA2156-I/PT
HA2156T-I/PT
HA2960-I/PT
HA2960T-I/PT
HA4012-I/PT
HA4012T-I/PT
HA5067-I/PT
HA5067T-I/PT
HA9566-I/PT
MCP724A-I/PTV01
MCV442B-I/PT
MCV442BT-I/PT
MCV443B-I/PT
MCV443BT-I/PT
MSRCLUS-I/PTV05
MSRF946T-I/PTV03
MTR2727-I/PT
MTR2727T-I/PT
MTR5117-I/PT
MTR5117T-I/PT
MTR6158-I/PT
MTR6158T-I/PT
MTR6196-I/PT
MTR6196T-I/PT
MTR6618-I/PT
MTR6677-I/PT
MTR6853-I/PT
MTR7519-I/PT
MTR7519T-I/PT
PIC12F675-ME/PT
PIC16C782-ME/PT
PIC16C925-I/PT
PIC16C925-I/PTVAO
PIC16C926-I/PT
PIC16C926T-I/PT
PIC16C926T-I/PT028
PIC16C926T-I/PT029
PIC16CE625-ME/TQ
PIC16F1517-E/PT
PIC16F1517-I/PT
PIC16F1517T-I/PT
PIC16F1519-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16F1519-I/PT
PIC16F1519T-I/PT
PIC16F1526-E/PT
PIC16F1526-E/PTVAO
PIC16F1526-I/PT
PIC16F1526T-E/PTVAO
PIC16F1526T-I/PT
PIC16F1527-E/PT
PIC16F1527-E/PTVAO
PIC16F1527-I/PT
PIC16F1527T-I/PT
PIC16F1717-I/PT
PIC16F1717T-I/PT
PIC16F1719-I/PT
PIC16F1719T-I/PT
PIC16F1789-E/PT
PIC16F1789-I/PT
PIC16F1789T-E/PT
PIC16F1789T-I/PT
PIC16F1934-E/PT
PIC16F1934-I/PT
PIC16F1934-I/PTC01
PIC16F1934-I/PTC02
PIC16F1934-I/PTVAO
PIC16F1934T-I/PT
PIC16F1934T-I/PTC01
PIC16F1934T-I/PTC02
PIC16F1934T-I/PTVAO
PIC16F1937-E/PT
PIC16F1937-I/PT
PIC16F1937-I/PT021
PIC16F1937-I/PTC01
PIC16F1937-I/PTC02
PIC16F1937-I/PTC03
PIC16F1937-I/PTC04
PIC16F1937-I/PTV01
PIC16F1937-I/PTVAO
PIC16F1937T-E/PT
PIC16F1937T-I/PT
PIC16F1937T-I/PT023
PIC16F1937T-I/PT024
PIC16F1937T-I/PTC01
PIC16F1937T-I/PTC02
PIC16F1937T-I/PTC03
PIC16F1937T-I/PTC04

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16F1937T-I/PTV02
PIC16F1937T-I/PTVAO
PIC16F1939-E/PT
PIC16F1939-I/PT
PIC16F1939-I/PTC01
PIC16F1939-ICE/PT
PIC16F1939T-E/PTV01
PIC16F1939T-I/PT
PIC16F1939T-I/PT021
PIC16F1939T-I/PTC01
PIC16F1946-E/PT
PIC16F1946-I/PT
PIC16F1946-I/PTC01
PIC16F1946T-I/PT
PIC16F1946T-I/PTC01
PIC16F1947-E/PT
PIC16F1947-I/PT
PIC16F1947-I/PT020
PIC16F1947-I/PTC01
PIC16F1947-I/PTC02
PIC16F1947-I/PTV03
PIC16F1947-I/PTVAO
PIC16F1947T-I/PT
PIC16F1947T-I/PTC01
PIC16F1947T-I/PTC02
PIC16F1947T-I/PTV01
PIC16F1947T-I/PTV02
PIC16F1947T-I/PTV04
PIC16F1947T-I/PTVAO
PIC16F570-ICD/PT
PIC16F59-I/PT
PIC16F59T-I/PT
PIC16F648A-ME/PT
PIC16F676-ME/PT
PIC16F690-ICD/PT
PIC16F707-E/PT
PIC16F707-I/PT
PIC16F707T-I/PT
PIC16F716-ME/PT
PIC16F724-E/PT
PIC16F724-I/PT
PIC16F724-I/PTC02
PIC16F724T-I/PT
PIC16F724T-I/PTC02
PIC16F727-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16F727-I/PT
PIC16F727-I/PTC01
PIC16F727-I/PTHP1
PIC16F727-ICE/PT
PIC16F727T-E/PTVAO
PIC16F727T-I/PT
PIC16F727T-I/PTC01
PIC16F747-I/PT
PIC16F747T-I/PT
PIC16F777-E/PT
PIC16F777-I/PT
PIC16F777T-I/PT
PIC16F77-E/PT
PIC16F77-I/PT
PIC16F77-I/PTVAO
PIC16F77T-I/PT
PIC16F77T-I/PT058
PIC16F77T-I/PT089
PIC16F84A-ME/PT
PIC16F874A-E/PT
PIC16F874A-I/PT
PIC16F874A-I/PTV01
PIC16F874AT-E/PT
PIC16F874AT-I/PT
PIC16F874AT-I/PT031
PIC16F874AT-I/PT040
PIC16F874AT-I/PTC06
PIC16F874AT-I/PTV02
PIC16F877-04/PT
PIC16F877-04E/PT
PIC16F877-04I/PT
PIC16F877-10E/PT
PIC16F877-20/PT
PIC16F877-20I/PT
PIC16F877A-E/PT
PIC16F877A-I/PT
PIC16F877A-I/PTV03
PIC16F877A-I/PTVAO
PIC16F877AT-I/PT
PIC16F877T-04I/PT034
PIC16F877T-20/PT
PIC16F877T-20I/PT
PIC16F884-E/PT
PIC16F884-I/PT
PIC16F884-I/PTV01

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16F884T-E/PT
PIC16F884T-E/PT021
PIC16F884T-E/PT023
PIC16F884T-I/PT
PIC16F887-E/PT
PIC16F887-E/PTVAO
PIC16F887-I/PT
PIC16F887-I/PTVAO
PIC16F887T-E/PT
PIC16F887T-I/PT
PIC16F887T-I/PT023
PIC16F887T-I/PTV01
PIC16F887T-I/PTVAO
PIC16F88-ME/PT
PIC16F914-E/PT
PIC16F914-I/PT
PIC16F914-I/PT020
PIC16F914-I/PT021
PIC16F914-I/PT022
PIC16F914-I/PTGVAO
PIC16F914-I/PTV02
PIC16F914-I/PTVAO
PIC16F914T-I/PT
PIC16F914T-I/PT020
PIC16F914T-I/PTV01
PIC16F914T-I/PTVAO
PIC16F917-E/PT
PIC16F917-I/PT
PIC16F917-I/PT026
PIC16F917-I/PT044
PIC16F917-I/PT046
PIC16F917-I/PTV01
PIC16F917-I/PTVAO
PIC16F917T-E/PT
PIC16F917T-E/PT034
PIC16F917T-E/PT040
PIC16F917T-E/PT041
PIC16F917T-I/PT
PIC16F917T-I/PT029
PIC16F917T-I/PT030
PIC16F917T-I/PT042
PIC16F917T-I/PT043
PIC16F917T-I/PT045
PIC16F917T-I/PT047
PIC16F917T-I/PTV01

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16F917T-I/PTVAO
PIC16F946-E/PT
PIC16F946-I/PT
PIC16F946-I/PTC02
PIC16F946-I/PTV01
PIC16F946-I/PTV02
PIC16F946-I/PTV04
PIC16F946-I/PTVAO
PIC16F946T-I/PT
PIC16F946T-I/PT023
PIC16F946T-I/PT024
PIC16F946T-I/PTC02
PIC16F946T-I/PTVAO
PIC16LC925-I/PT
PIC16LC926-I/PT
PIC16LC926-I/PTC01
PIC16LC926-I/PTC03
PIC16LF1517-E/PT
PIC16LF1517-I/PT
PIC16LF1517T-I/PT
PIC16LF1519-E/PT
PIC16LF1519-E/PTVAO
PIC16LF1519-I/PT
PIC16LF1519T-E/PTVAO
PIC16LF1519T-I/PT
PIC16LF1526-E/PT
PIC16LF1526-I/PT
PIC16LF1526T-I/PT
PIC16LF1527-E/PT
PIC16LF1527-I/PT
PIC16LF1527-I/PTC01
PIC16LF1527T-I/PT
PIC16LF1527T-I/PTC01
PIC16LF1717-E/PT
PIC16LF1717-I/PT
PIC16LF1717T-I/PT
PIC16LF1719-E/PT
PIC16LF1719-I/PT
PIC16LF1719T-I/PT
PIC16LF1789-E/PT
PIC16LF1789-I/PT
PIC16LF1789T-I/PT
PIC16LF1904-E/PT
PIC16LF1904-I/PT
PIC16LF1904T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16LF1907-E/PT
PIC16LF1907-I/PT
PIC16LF1907T-I/PT
PIC16LF1934-E/PT
PIC16LF1934-I/PT
PIC16LF1934-I/PT021
PIC16LF1934-I/PT022
PIC16LF1934-I/PT023
PIC16LF1934-I/PTVAO
PIC16LF1934T-I/PT
PIC16LF1934T-I/PTVAO
PIC16LF1937-E/PT
PIC16LF1937-I/PT
PIC16LF1937-I/PTC04
PIC16LF1937-I/PTVAO
PIC16LF1937T-I/PT
PIC16LF1937T-I/PTC04
PIC16LF1937T-I/PTVAO
PIC16LF1939-E/PT
PIC16LF1939-I/PT
PIC16LF1939-I/PT020
PIC16LF1939-I/PT021
PIC16LF1939-I/PT022
PIC16LF1939-I/PT023
PIC16LF1939-ICE/PT
PIC16LF1939T-I/PT
PIC16LF1946-E/PT
PIC16LF1946-I/PT
PIC16LF1946T-I/PT
PIC16LF1947-E/PT
PIC16LF1947-I/PT
PIC16LF1947-I/PTC01
PIC16LF1947-I/PTC02
PIC16LF1947-I/PTC03
PIC16LF1947T-I/PT
PIC16LF1947T-I/PTC01
PIC16LF1947T-I/PTC02
PIC16LF1947T-I/PTC03
PIC16LF707-E/PT
PIC16LF707-I/PT
PIC16LF707T-I/PT
PIC16LF724-E/PT
PIC16LF724-I/PT
PIC16LF724T-I/PT
PIC16LF727-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC16LF727-I/PT
PIC16LF727-ICE/PT
PIC16LF727T-I/PT
PIC16LF747-I/PT
PIC16LF747T-I/PT
PIC16LF777-I/PT
PIC16LF777T-I/PT
PIC16LF77-I/PT
PIC16LF77T-I/PT
PIC16LF77T-I/PTC10
PIC16LF874A-I/PT
PIC16LF874AT-I/PT
PIC16LF877-04/PT
PIC16LF877-04I/PT
PIC16LF877A-E/PTC21
PIC16LF877A-I/PT
PIC16LF877AT-E/PTC21
PIC16LF877AT-I/PT
PIC16LF877AT-I/PT033
PIC16LF877AT-I/PTC16
PIC18C442-I/PT
PIC18C452-I/PT
PIC18C601-I/PT
PIC18C658-I/PT
PIC18CR6627-I/PT
PIC18F4220-E/PT
PIC18F4220-I/PT
PIC18F4220T-I/PT
PIC18F4221-E/PT
PIC18F4221-I/PT
PIC18F4221T-E/PT
PIC18F4221T-I/PT
PIC18F4320-E/PT
PIC18F4320-I/PT
PIC18F4320-I/PTC09
PIC18F4320T-I/PT
PIC18F4320T-I/PTC2
PIC18F4321-E/PT
PIC18F4321-I/PT
PIC18F4321T-I/PT
PIC18F4331-E/PT
PIC18F4331-I/PT
PIC18F4331-I/PT020
PIC18F4331T-I/PT
PIC18F4331T-I/PTV01

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F43K20-E/PT
PIC18F43K20-I/PT
PIC18F43K20-I/PTC01
PIC18F43K20T-I/PT
PIC18F43K20T-I/PTC01
PIC18F43K22-E/PT
PIC18F43K22-I/PT
PIC18F43K22T-I/PT
PIC18F4410-I/PT
PIC18F4410T-I/PT
PIC18F4420-E/PT
PIC18F4420-I/PT
PIC18F4420T-E/PT
PIC18F4420T-I/PT
PIC18F4423-E/PT
PIC18F4423-I/PT
PIC18F4423T-I/PT
PIC18F442-E/PT
PIC18F442-I/PT
PIC18F442T-I/PT
PIC18F4431-E/PT
PIC18F4431-I/PT
PIC18F4431T-E/PT
PIC18F4431T-I/PT
PIC18F4431T-I/PT020
PIC18F4431T-I/PT021
PIC18F4439-I/PT
PIC18F4450-I/PT
PIC18F4480-E/PT
PIC18F4480-I/PT
PIC18F4480T-E/PT
PIC18F4480T-I/PT
PIC18F448-E/PT
PIC18F448-E/PTGVAO
PIC18F448-I/PT
PIC18F448T-I/PT
PIC18F44J10-I/PT
PIC18F44J10T-I/PT
PIC18F44J11-I/PT
PIC18F44J11T-I/PT
PIC18F44J50-I/PT
PIC18F44J50T-I/PT
PIC18F44K20-E/PT
PIC18F44K20-I/PT
PIC18F44K20T-E/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F44K20T-I/PT
PIC18F44K20T-I/PT020
PIC18F44K22-E/PT
PIC18F44K22-I/PT
PIC18F44K22T-E/PT
PIC18F44K22T-I/PT
PIC18F4510-E/PT
PIC18F4510-I/PT
PIC18F4510T-I/PT
PIC18F4520-E/PT
PIC18F4520-E/PTV05
PIC18F4520-I/PT
PIC18F4520-I/PTB4
PIC18F4520T-E/PT
PIC18F4520T-E/PTV05
PIC18F4520T-E/PTV09
PIC18F4520T-I/PT
PIC18F4520T-I/PTB4
PIC18F4523-E/PT
PIC18F4523-I/PT
PIC18F4523T-I/PT
PIC18F452-E/PT
PIC18F452-E/PTC34
PIC18F452-I/PT
PIC18F452-I/PTC17
PIC18F452-I/PTV01
PIC18F452-I/PTVAO
PIC18F452T-I/PT
PIC18F452T-I/PTVAO
PIC18F4580-E/PT
PIC18F4580-I/PT
PIC18F4580-I/PTC02
PIC18F4580T-E/PT
PIC18F4580T-I/PT
PIC18F4580T-I/PT022
PIC18F4580T-I/PTC02
PIC18F4585-E/PT
PIC18F4585-H/PT
PIC18F4585-H/PTVAO
PIC18F4585-I/PT
PIC18F4585-I/PTV03
PIC18F4585T-H/PTVAO
PIC18F4585T-I/PT
PIC18F4585T-I/PT021
PIC18F4585T-I/PTV03

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F458-E/PT
PIC18F458-I/PT
PIC18F458T-E/PTVAO
PIC18F458T-I/PT
PIC18F458T-I/PTVAO
PIC18F45J10-I/PT
PIC18F45J10T-I/PT
PIC18F45J11-I/PT
PIC18F45J11T-I/PT
PIC18F45J50-I/PT
PIC18F45J50T-I/PT
PIC18F45J50T-I/PTLS
PIC18F45K20-E/PT
PIC18F45K20-I/PT
PIC18F45K20-I/PTC02
PIC18F45K20-I/PTC04
PIC18F45K20-I/PTC07
PIC18F45K20-I/PTVAO
PIC18F45K20T-I/PT
PIC18F45K20T-I/PTC02
PIC18F45K20T-I/PTC04
PIC18F45K20T-I/PTC07
PIC18F45K20T-I/PTVAO
PIC18F45K22-E/PT
PIC18F45K22-I/PT
PIC18F45K22-I/PT020
PIC18F45K22-I/PT021
PIC18F45K22-I/PTVAO
PIC18F45K22T-E/PT
PIC18F45K22T-E/PTV01
PIC18F45K22T-I/PT
PIC18F45K80-E/PT
PIC18F45K80-H/PT
PIC18F45K80-I/PT
PIC18F45K80-I/PTVAO
PIC18F45K80T-E/PT
PIC18F45K80T-I/PT
PIC18F45K80T-I/PT021
PIC18F45K80T-I/PTV12
PIC18F45K80T-I/PTVAO
PIC18F4680-E/PT
PIC18F4680-E/PTC04
PIC18F4680-E/PTVAO
PIC18F4680-H/PT
PIC18F4680-H/PTV04

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F4680-H/PTVAO
PIC18F4680-I/PT
PIC18F4680-I/PTVAO
PIC18F4680T-E/PT
PIC18F4680T-E/PT054
PIC18F4680T-E/PT055
PIC18F4680T-E/PT058
PIC18F4680T-E/PTV05
PIC18F4680T-H/PTV04
PIC18F4680T-H/PTVAO
PIC18F4680T-I/PT
PIC18F4680T-I/PT033
PIC18F4680T-I/PT051
PIC18F4680T-I/PTVAO
PIC18F4682-E/PT
PIC18F4682-I/PT
PIC18F4682-I/PTVAO
PIC18F4682T-I/PT
PIC18F4682T-I/PT020
PIC18F4682T-I/PT021
PIC18F4682T-I/PT022
PIC18F4682T-I/PTV01
PIC18F4682T-I/PTVAO
PIC18F4685-E/PT
PIC18F4685-E/PT021
PIC18F4685-E/PT025
PIC18F4685-E/PT026
PIC18F4685-I/PT
PIC18F4685T-E/PT021
PIC18F4685T-E/PT022
PIC18F4685T-E/PT025
PIC18F4685T-E/PT026
PIC18F4685T-E/PT027
PIC18F4685T-E/PTV02
PIC18F4685T-E/PTV03
PIC18F4685T-I/PT
PIC18F46J11-I/PT
PIC18F46J11-I/PTC02
PIC18F46J11-I/PTC04
PIC18F46J11T-I/PT
PIC18F46J11T-I/PTC04
PIC18F46J13-I/PT
PIC18F46J13T-I/PT
PIC18F46J50-I/PT
PIC18F46J50T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F46J53-I/PT
PIC18F46J53T-I/PT
PIC18F46K20-E/PT
PIC18F46K20-E/PTC03
PIC18F46K20-I/PT
PIC18F46K20-I/PT022
PIC18F46K20-I/PTC05
PIC18F46K20-I/PTC06
PIC18F46K20-I/PTC07
PIC18F46K20T-E/PT
PIC18F46K20T-E/PTC03
PIC18F46K20T-I/PT
PIC18F46K20T-I/PT024
PIC18F46K20T-I/PT025
PIC18F46K20T-I/PT026
PIC18F46K20T-I/PT027
PIC18F46K20T-I/PT028
PIC18F46K20T-I/PTC05
PIC18F46K20T-I/PTC06
PIC18F46K20T-I/PTC07
PIC18F46K22-E/PT
PIC18F46K22-I/PT
PIC18F46K22T-E/PT
PIC18F46K22T-I/PT
PIC18F46K22T-I/PT020
PIC18F46K22T-I/PT022
PIC18F46K80-E/PT
PIC18F46K80-H/PT
PIC18F46K80-I/PT
PIC18F46K80T-E/PT
PIC18F46K80T-I/PT
PIC18F46K80T-I/PTV10
PIC18F46K80T-I/PTVAO
PIC18F47J13-I/PT
PIC18F47J13T-I/PT
PIC18F47J53-I/PT
PIC18F47J53T-I/PT
PIC18F6310-E/PT
PIC18F6310-I/PT
PIC18F6310T-I/PT
PIC18F6410-E/PT
PIC18F6410-I/PT
PIC18F6410-I/PTV01
PIC18F6410T-I/PT
PIC18F6410T-I/PTC01

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F6490-E/PT
PIC18F6490-I/PT
PIC18F6490T-I/PT
PIC18F6493-I/PT
PIC18F6493-I/PTREL
PIC18F6493T-I/PT
PIC18F6520-E/PT
PIC18F6520-I/PT
PIC18F6520-I/PTC07
PIC18F6520-I/PTC08
PIC18F6520T-E/PT
PIC18F6520T-I/PT
PIC18F6525-E/PT
PIC18F6525-I/PT
PIC18F6527-I/PT
PIC18F6527T-E/PTV04
PIC18F6527T-I/PT
PIC18F6527T-I/PTV01
PIC18F6585-E/PT
PIC18F6585-I/PT
PIC18F6585-I/PTVAO
PIC18F65J50-I/PT
PIC18F65J50T-I/PTV01
PIC18F65K22-I/PTC07
PIC18F65K22-I/PTC10
PIC18F65K22T-I/PTC07
PIC18F65K22T-I/PTC10
PIC18F65K22T-I/PTRSL
PIC18F65K80-E/PT
PIC18F65K80-H/PT
PIC18F65K80-I/PT
PIC18F65K80-I/PTVAO
PIC18F65K80T-E/PT
PIC18F65K80T-I/PT
PIC18F65K80T-I/PTVAO
PIC18F65K90-E/PT
PIC18F65K90T-I/PTRSL
PIC18F6620-E/PT
PIC18F6620-I/PT
PIC18F6620T-E/PT024
PIC18F6620T-E/PTV01
PIC18F6620T-E/PTVAO
PIC18F6620T-I/PT
PIC18F6621-E/PT
PIC18F6621-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F6621T-I/PT
PIC18F6622-E/PT
PIC18F6622-I/PT
PIC18F6622-I/PT026
PIC18F6622-I/PTV02
PIC18F6622T-E/PTV03
PIC18F6622T-I/PT
PIC18F6622T-I/PTV02
PIC18F6627-E/PT
PIC18F6627-E/PTVAO
PIC18F6627-I/PT
PIC18F6627-I/PTVAO
PIC18F6627T-E/PT
PIC18F6627T-E/PTV01
PIC18F6627T-E/PTVAO
PIC18F6627T-I/PT
PIC18F6627T-I/PT024
PIC18F6627T-I/PTVAO
PIC18F6628-E/PT
PIC18F6628-I/PT
PIC18F6628T-I/PT
PIC18F6680-E/PT
PIC18F6680-I/PT
PIC18F6680-I/PTC05
PIC18F6680T-I/PT
PIC18F66J11-I/PTC01
PIC18F66J16-I/PT
PIC18F66J50-I/PT
PIC18F66J50T-I/PT
PIC18F66J55-I/PT
PIC18F66J55T-I/PT
PIC18F66J60-I/PT
PIC18F66J60T-I/PT020
PIC18F66J65-I/PT
PIC18F66J65T-I/PT
PIC18F66J90-I/PT
PIC18F66J90T-I/PT
PIC18F66J93-I/PT
PIC18F66J93T-I/PT
PIC18F66K22-I/PTC11
PIC18F66K22T-I/PTC11
PIC18F66K22T-I/PTRSL
PIC18F66K80-E/PT
PIC18F66K80-H/PT
PIC18F66K80-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F66K80-I/PTVAO
PIC18F66K80T-E/PT
PIC18F66K80T-I/PT
PIC18F66K80T-I/PTVAO
PIC18F66K90-E/PT
PIC18F66K90-I/PTRSL
PIC18F66K90T-I/PTC06
PIC18F66K90T-I/PTRSL
PIC18F66K90T-I/PTRSLC04
PIC18F6720-E/PT
PIC18F6720-I/PT
PIC18F6720-I/PTC01
PIC18F6720T-I/PT
PIC18F6720T-I/PTC01
PIC18F6722-E/PT
PIC18F6722-I/PT
PIC18F6722-I/PTB1
PIC18F6722-I/PTV04
PIC18F6722T-E/PT
PIC18F6722T-E/PTV03
PIC18F6722T-I/PT
PIC18F6722T-I/PTB1
PIC18F6723-E/PREL
PIC18F6723-E/PT
PIC18F6723-I/PREL
PIC18F6723-I/PT
PIC18F6723T-I/PT
PIC18F67J11-I/PT
PIC18F67J11-I/PTC02
PIC18F67J11-I/PTC04
PIC18F67J11T-I/PT
PIC18F67J11T-I/PTC04
PIC18F67J50-I/PT
PIC18F67J50-I/PT021
PIC18F67J50-I/PT022
PIC18F67J50-I/PT023
PIC18F67J50-I/PTC03
PIC18F67J50T-I/PT
PIC18F67J50T-I/PT021
PIC18F67J50T-I/PT022
PIC18F67J50T-I/PT023
PIC18F67J50T-I/PT024
PIC18F67J50T-I/PTC03
PIC18F67J60-I/PT
PIC18F67J60T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18F67J60T-I/PT020
PIC18F67J90-I/PT
PIC18F67J90T-I/PT
PIC18F67J93-I/PT
PIC18F67J93T-I/PT
PIC18F67K22-E/PT
PIC18F67K22-I/PT
PIC18F67K22-I/PTC02
PIC18F67K22-I/PTC08
PIC18F67K22-I/PTRSL
PIC18F67K22T-I/PT
PIC18F67K22T-I/PTC08
PIC18F67K22T-I/PTRSL
PIC18F67K90-E/PT
PIC18F67K90-I/PT
PIC18F67K90-I/PT021
PIC18F67K90-I/PT022
PIC18F67K90-I/PT024
PIC18F67K90-I/PTC05
PIC18F67K90-I/PTRSL
PIC18F67K90T-I/PT
PIC18F67K90T-I/PT021
PIC18F67K90T-I/PT022
PIC18F67K90T-I/PT024
PIC18F67K90T-I/PTRSL
PIC18LC452-I/PT
PIC18LF4220-I/PT
PIC18LF4220T-I/PT
PIC18LF4221-I/PT
PIC18LF4320-I/PT
PIC18LF4320T-I/PT
PIC18LF4321-I/PT
PIC18LF4321T-I/PT
PIC18LF4331-I/PT
PIC18LF4331-I/PTC01
PIC18LF4331T-I/PTC01
PIC18LF43K22-E/PT
PIC18LF43K22-I/PT
PIC18LF43K22T-I/PT
PIC18LF4410-I/PT
PIC18LF4420-I/PT
PIC18LF4420T-I/PT
PIC18LF4423-I/PT
PIC18LF4423T-I/PT
PIC18LF442-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18LF4431-I/PT
PIC18LF4450-I/PT
PIC18LF4480-I/PT
PIC18LF4480T-I/PT
PIC18LF448-I/PT
PIC18LF44J10-I/PT
PIC18LF44J11-I/PT
PIC18LF44J11T-I/PT
PIC18LF44J50-I/PT
PIC18LF44J50T-I/PT
PIC18LF44K22-E/PT
PIC18LF44K22-I/PT
PIC18LF44K22T-I/PT
PIC18LF4510-I/PT
PIC18LF4510T-I/PT
PIC18LF4520-I/PT
PIC18LF4520-I/PTC12
PIC18LF4520T-I/PT
PIC18LF4523-I/PT
PIC18LF4523T-I/PT
PIC18LF452-I/PT
PIC18LF452-I/PTC33
PIC18LF452T-I/PT
PIC18LF4580-I/PT
PIC18LF4580T-I/PT
PIC18LF4585-I/PT
PIC18LF4585T-I/PT
PIC18LF458-I/PT
PIC18LF45J10-I/PT
PIC18LF45J11-I/PT
PIC18LF45J11T-I/PT
PIC18LF45J50-I/PT
PIC18LF45J50T-I/PT
PIC18LF45K22-E/PT
PIC18LF45K22-E/PTVAO
PIC18LF45K22-I/PT
PIC18LF45K22T-E/PTVAO
PIC18LF45K22T-I/PT
PIC18LF45K80-I/PT
PIC18LF45K80T-I/PT
PIC18LF4680-I/PT
PIC18LF4680T-I/PT
PIC18LF4682-I/PT
PIC18LF4685-I/PT
PIC18LF46J11-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18LF46J11T-I/PT
PIC18LF46J13-I/PT
PIC18LF46J13T-I/PT
PIC18LF46J50-I/PT
PIC18LF46J50T-I/PT
PIC18LF46J53-I/PT
PIC18LF46J53T-I/PT
PIC18LF46K22-E/PT
PIC18LF46K22-I/PT
PIC18LF46K22T-E/PTVAO
PIC18LF46K22T-I/PT
PIC18LF46K22T-I/PTC01
PIC18LF46K80-I/PT
PIC18LF46K80T-I/PT
PIC18LF47J13-I/PT
PIC18LF47J13T-I/PT
PIC18LF47J53-I/PT
PIC18LF47J53T-I/PT
PIC18LF6310-I/PT
PIC18LF6410-I/PT
PIC18LF6490-I/PT
PIC18LF6490T-I/PT
PIC18LF6520-I/PT
PIC18LF6520T-I/PT
PIC18LF6525-I/PT
PIC18LF6527-I/PT
PIC18LF6527T-I/PT
PIC18LF6585-I/PT
PIC18LF6585-I/PTVAO
PIC18LF6585T-I/PTVAO
PIC18LF65K80-I/PT
PIC18LF65K80T-I/PT
PIC18LF6620-I/PT
PIC18LF6620-I/PTC01
PIC18LF6620T-I/PT
PIC18LF6621-I/PT
PIC18LF6621-I/PT027
PIC18LF6622-I/PT
PIC18LF6622T-I/PT
PIC18LF6627-I/PT
PIC18LF6627T-I/PT
PIC18LF6628-I/PT
PIC18LF6628T-I/PT
PIC18LF6680-I/PT
PIC18LF66K80-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC18LF66K80T-I/PT
PIC18LF6720-I/PT
PIC18LF6720T-I/PT
PIC18LF6722-I/PT
PIC18LF6722-I/PT031
PIC18LF6722-I/PT032
PIC18LF6722T-I/PT
PIC18LF6722T-I/PT031
PIC18LF6722T-I/PT032
PIC18LF6723-I/PT
PIC18LF6723T-I/PT
PIC24F16KA304-E/PT
PIC24F16KA304-I/PT
PIC24F16KA304T-I/PT
PIC24F32KA304-E/PT
PIC24F32KA304-I/PT
PIC24F32KA304T-I/PT
PIC24FJ128GA006-I/PT
PIC24FJ128GA006-I/PT022
PIC24FJ128GA006-I/PT028
PIC24FJ128GA006-I/PT029
PIC24FJ128GA006-I/PT030
PIC24FJ128GA006-I/PTC11
PIC24FJ128GA006-I/PTC12
PIC24FJ128GA006-I/PTC2
PIC24FJ128GA006T-I/PT
PIC24FJ128GA006T-I/PT022
PIC24FJ128GA006T-I/PT028
PIC24FJ128GA006T-I/PT029
PIC24FJ128GA006T-I/PT030
PIC24FJ128GA006T-I/PT033
PIC24FJ128GA006T-I/PTC2
PIC24FJ128GA006T-I/PTV04
PIC24FJ128GA106-E/PT
PIC24FJ128GA106-E/PTC18
PIC24FJ128GA106-I/PT
PIC24FJ128GA106-I/PT026
PIC24FJ128GA106-I/PT028
PIC24FJ128GA106-I/PT034
PIC24FJ128GA106-I/PTA5
PIC24FJ128GA106-I/PTC13
PIC24FJ128GA106-I/PTC18
PIC24FJ128GA106-I/PTC24
PIC24FJ128GA106T-E/PT
PIC24FJ128GA106T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC24FJ128GA106T-I/PT026
PIC24FJ128GA106T-I/PT028
PIC24FJ128GA106T-I/PT034
PIC24FJ128GA106T-I/PT036
PIC24FJ128GA106T-I/PTA5
PIC24FJ128GA106T-I/PTC12
PIC24FJ128GA106T-I/PTC13
PIC24FJ128GA106T-I/PTC19
PIC24FJ128GB106-I/PT
PIC24FJ128GB106T-I/PT
PIC24FJ128GB106T-I/PT022
PIC24FJ16GA004-E/PT
PIC24FJ16GA004-I/PT
PIC24FJ16GA004-I/PTB8
PIC24FJ16GA004T-I/PT
PIC24FJ16GA004T-I/PTB4
PIC24FJ192GA106-E/PT
PIC24FJ192GA106-I/PT
PIC24FJ192GA106-I/PTC22
PIC24FJ192GA106T-E/PT
PIC24FJ192GA106T-I/PT
PIC24FJ192GB106-I/PT
PIC24FJ192GB106T-I/PT
PIC24FJ192GB106T-I/PTV02
PIC24FJ256GA106-E/PT
PIC24FJ256GA106-I/PT
PIC24FJ256GA106-I/PT031
PIC24FJ256GA106-I/PTC25
PIC24FJ256GA106T-E/PT
PIC24FJ256GA106T-I/PT
PIC24FJ256GA106T-I/PT023
PIC24FJ256GA106T-I/PT037
PIC24FJ256GB106-I/PT
PIC24FJ256GB106-I/PTC01
PIC24FJ256GB106T-I/PT
PIC24FJ256GB106T-I/PT021
PIC24FJ256GB106T-I/PT028
PIC24FJ32GA004-E/PT
PIC24FJ32GA004-I/PT
PIC24FJ32GA004-I/PTC01
PIC24FJ32GA004-I/PTC04
PIC24FJ32GA004-I/PTVAO
PIC24FJ32GA004T-I/PT
PIC24FJ32GA004T-I/PTC01
PIC24FJ32GA004T-I/PTC04

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC24FJ32GA104-E/PT
PIC24FJ32GA104-I/PT
PIC24FJ32GA104T-I/PT
PIC24FJ32GB004-I/PT
PIC24FJ32GB004T-I/PT
PIC24FJ32MC104-E/PT
PIC24FJ32MC104-I/PT
PIC24FJ32MC104T-E/PT
PIC24FJ32MC104T-I/PT
PIC24FJ48GA004-E/PT
PIC24FJ48GA004-I/PT
PIC24FJ48GA004T-I/PT
PIC24FJ64GA004-E/PT
PIC24FJ64GA004-I/PT
PIC24FJ64GA004-I/PT037
PIC24FJ64GA004-I/PTC02
PIC24FJ64GA004-I/PTC08
PIC24FJ64GA004-I/PTC16
PIC24FJ64GA004T-I/PT
PIC24FJ64GA004T-I/PT032
PIC24FJ64GA004T-I/PT033
PIC24FJ64GA004T-I/PT035
PIC24FJ64GA004T-I/PT036
PIC24FJ64GA004T-I/PT037
PIC24FJ64GA004T-I/PT038
PIC24FJ64GA004T-I/PTC08
PIC24FJ64GA004T-I/PTC11
PIC24FJ64GA004T-I/PTV01
PIC24FJ64GA006-I/PT
PIC24FJ64GA006-I/PTC03
PIC24FJ64GA006-I/PTC05
PIC24FJ64GA006-I/PTC07
PIC24FJ64GA006-I/PTV03
PIC24FJ64GA006T-I/PT
PIC24FJ64GA006T-I/PT023
PIC24FJ64GA006T-I/PT027
PIC24FJ64GA006T-I/PT032
PIC24FJ64GA006T-I/PTC03
PIC24FJ64GA006T-I/PTC08
PIC24FJ64GA104-E/PT
PIC24FJ64GA104-I/PT
PIC24FJ64GA104T-I/PT
PIC24FJ64GA106-E/PT
PIC24FJ64GA106-I/PT
PIC24FJ64GA106-I/PTC23

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC24FJ64GA106T-I/PT
PIC24FJ64GB004-I/PT
PIC24FJ64GB004-I/PT021
PIC24FJ64GB004T-I/PT
PIC24FJ64GB106-E/PTC05
PIC24FJ64GB106-I/PT
PIC24FJ64GB106-I/PTC02
PIC24FJ64GB106-I/PTC04
PIC24FJ64GB106T-I/PT
PIC24FJ96GA006-I/PT
PIC24FJ96GA006-I/PT025
PIC24FJ96GA006-I/PTC06
PIC24FJ96GA006-I/PTV02
PIC24FJ96GA006T-I/PT
PIC24FJ96GA006T-I/PT021
PIC24FJ96GA006T-I/PT025
PIC24FJ96GA006T-I/PTV01
PIC24FV16KA304-E/PT
PIC24FV16KA304-I/PT
PIC24FV16KA304T-I/PT
PIC24FV32KA304-E/PT
PIC24FV32KA304-I/PT
PIC24FV32KA304T-I/PT
PIC24HJ128GP204-E/PT
PIC24HJ128GP204-I/PT
PIC24HJ128GP204T-E/PT
PIC24HJ128GP204T-I/PT
PIC24HJ128GP206A-E/PT
PIC24HJ128GP206A-I/PT
PIC24HJ128GP206AT-E/PT
PIC24HJ128GP206AT-I/PT
PIC24HJ128GP206-I/PT
PIC24HJ128GP206T-I/PT
PIC24HJ128GP306A-E/PT
PIC24HJ128GP306A-I/PT
PIC24HJ128GP306AT-E/PT
PIC24HJ128GP306AT-I/PT
PIC24HJ128GP306-I/PT
PIC24HJ128GP504-E/PT
PIC24HJ128GP504-H/PT
PIC24HJ128GP504-I/PT
PIC24HJ128GP504-I/PTC26
PIC24HJ128GP504T-E/PT
PIC24HJ128GP504T-H/PT
PIC24HJ128GP504T-I/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC24HJ128GP504T-I/PTV07
PIC24HJ128GP506A-E/PT
PIC24HJ128GP506A-H/PT
PIC24HJ128GP506A-H/PT040
PIC24HJ128GP506A-H/PT044
PIC24HJ128GP506A-H/PT045
PIC24HJ128GP506A-I/PT
PIC24HJ128GP506A-I/PTVAO
PIC24HJ128GP506AT-E/PT
PIC24HJ128GP506AT-H/PT
PIC24HJ128GP506AT-H/PT040
PIC24HJ128GP506AT-H/PT041
PIC24HJ128GP506AT-H/PT043
PIC24HJ128GP506AT-H/PT044
PIC24HJ128GP506AT-H/PT045
PIC24HJ128GP506AT-I/PT
PIC24HJ128GP506AT-I/PTVAO
PIC24HJ128GP506-I/PT
PIC24HJ128GP506-I/PTV07
PIC24HJ128GP506T-H/PT028
PIC24HJ128GP506T-H/PT030
PIC24HJ128GP506T-H/PT033
PIC24HJ128GP506T-H/PT038
PIC24HJ128GP506T-H/PTV04
PIC24HJ128GP506T-I/PT
PIC24HJ128GP506T-I/PTV07
PIC24HJ16GP304-E/PT
PIC24HJ16GP304-H/PT
PIC24HJ16GP304-I/PT
PIC24HJ16GP304T-E/PT
PIC24HJ16GP304T-H/PT
PIC24HJ16GP304T-I/PT
PIC24HJ256GP206A-E/PT
PIC24HJ256GP206A-H/PT
PIC24HJ256GP206A-I/PT
PIC24HJ256GP206AT-E/PT
PIC24HJ256GP206AT-I/PT
PIC24HJ256GP206-I/PT
PIC24HJ256GP206-I/PTA21
PIC24HJ256GP206T-I/PT
PIC24HJ32GP204-E/PT
PIC24HJ32GP204-H/PT
PIC24HJ32GP204-I/PT
PIC24HJ32GP204T-E/PT
PIC24HJ32GP204T-H/PT

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC24HJ32GP204T-I/PT
PIC24HJ32GP304-E/PT
PIC24HJ32GP304-E/PTA22
PIC24HJ32GP304-E/PTC02
PIC24HJ32GP304-I/PT
PIC24HJ32GP304T-E/PT
PIC24HJ32GP304T-E/PTA22
PIC24HJ32GP304T-E/PTC02
PIC24HJ32GP304T-I/PT
PIC24HJ64GP204-E/PT
PIC24HJ64GP204-I/PT
PIC24HJ64GP204T-E/PT
PIC24HJ64GP204T-I/PT
PIC24HJ64GP206A-E/PT
PIC24HJ64GP206A-E/PTA27
PIC24HJ64GP206A-I/PT
PIC24HJ64GP206AT-E/PT
PIC24HJ64GP206AT-E/PTA27
PIC24HJ64GP206AT-I/PT
PIC24HJ64GP206-I/PT
PIC24HJ64GP206T-I/PT
PIC24HJ64GP504-E/PT
PIC24HJ64GP504-I/PT
PIC24HJ64GP504-I/PTA23
PIC24HJ64GP504T-E/PT
PIC24HJ64GP504T-I/PT
PIC24HJ64GP504T-I/PTA23
PIC24HJ64GP506A-E/PT
PIC24HJ64GP506A-I/PT
PIC24HJ64GP506AT-E/PT
PIC24HJ64GP506AT-I/PT
PIC24HJ64GP506-I/PT
PIC24HJ64GP506-I/PTV01
PIC24HJ64GP506T-I/PT
PIC24HJ64GP506T-I/PT031
PIC24HJ64GP506T-I/PTV01
PIC32MX575F256H-80I/PT
PIC32MX575F256H-80I/PTC22
PIC32MX575F256H-80V/PT
PIC32MX575F256H-80V/PTC21
PIC32MX575F256H-80V/PTC23
PIC32MX575F256HT-80I/PT
PIC32MX575F256HT-80I/PTC22
PIC32MX575F256HT-80V/PT
PIC32MX575F256HT-80V/PTC23

PCN_IIRA-22KPRZ871
CATALOG_PART_NBR
PIC32MX575F512H-80I/PT
PIC32MX575F512H-80I/PTC24
PIC32MX575F512H-80V/PT
PIC32MX575F512HT-80I/PT
PIC32MX575F512HT-80I/PTC24
PIC32MX575F512HT-80V/PT
PIC32MX675F256H-80I/PT
PIC32MX675F256H-80I/PTD21
PIC32MX675F256H-80V/PT
PIC32MX675F256HT-80I/PT
PIC32MX675F256HT-80V/PT
PIC32MX675F512H-80I/PT
PIC32MX675F512H-80V/PT
PIC32MX675F512HT-80I/PT
PIC32MX675F512HT-80V/PT
PIC32MX695F512H-80I/PT
PIC32MX695F512H-80I/PTD22
PIC32MX695F512H-80V/PT
PIC32MX695F512HT-80I/PT
PIC32MX695F512HT-80V/PT
PIC32MX775F256H-80I/PT
PIC32MX775F256H-80V/PT
PIC32MX775F256HT-80I/PT
PIC32MX775F256HT-80V/PT
PIC32MX775F512H-80I/PT
PIC32MX775F512H-80V/PT
PIC32MX775F512HT-80I/PT
PIC32MX775F512HT-80V/PT
PIC32MX795F512H-80I/PT
PIC32MX795F512H-80V/PT
PIC32MX795F512HT-80I/PT
PIC32MX795F512HT-80V/PT
TC7106ACPT713
TC7106AIPT713
TC7106CPT713
TC7106IPT713
TC7107ACPT713
TC7107AIPT713
TC7107CPT713
TC7107IPT713
TC7116ACPT713
TC7116CPT713
TC7117ACPT713
TC7117CPT713



MICROCHIP

**QUALIFICATION REPORT
RELIABILITY LABORATORY**

PCN #: IIRA-22KPRZ871

**Date
August 11, 2014**

**Qualification of C194 lead-frame in 64L TQFP (10x10)
package at ANAP (ATP) assembly site. The 44L TQFP (10x10)
package will qualify by similarity at ANAP (ATP) assembly
site.**

Distribution

Somnuek T.
V.Danginis
Wichai K.
Gerry O.

Rangsun K.
A. Navarro
J. Fernandez
S. Kelsall
S. Iliev

Microchip Technology (Thailand) Co., Ltd.
14 Moo 1 T.Wangtakien A. Muangchacherngsao,
Chacherngsao, Thailand, 24000
Tel. (+66 38) 857119-45, 857311-19 ext. 1231
Fax (+66 38) 857149-50



MICROCHIP PACKAGE QUALIFICATION REPORT

Purpose Qualification of C194 lead-frame in 64L TQFP (10x10) package at ANAP (ATP) assembly site. The 44L TQFP (10x10) package will qualify by similarity at ANAP (ATP) assembly site.

CN BC141031

QUAL ID Q14079

MP CODE DFAK1YV2XB20

Part No. DSPIC30F6015T-20E/PT

Bonding No. BDM-000501 Rev. A

CCB No.: 1420

Package

Type 64L TQFP

Package size 10x10x1 mm

Die thickness 11 mils

Die size 267.6 x 265.1 mils

Lead Frame

Paddle size 295 x 295 mils (MHT Japan)

Material C194

Surface Ag ring on DAP

Process Etched

Lead Lock No

Part Number 101387176

Treatment Standard

Die attach material

Epoxy 3230 (Henkel South Korea)

Wire Au wire

Mold Compound G700L (Sumitomo Singapore)

Plating Composition Matte Tin



MICROCHIP PACKAGE QUALIFICATION REPORT

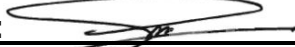
Manufacturing Information

Assembly Lot No.	Wafer Lot No.	Date Code
ANAP150900325.000	TMPE214357019.100	14220C5
ANAP150900326.000	TMPE214357019.100	14220C6
ANAP150900327.000	TMPE214357019.100	14220C7

Result

Pass Fail _____

64L TQFP (10x10x1 mm) assembled by ATP(ANAP)I pass reliability test per QCI-39000.This package was qualified the Moisture/Reflow Sensitivity Classification Level 3 at 260°C reflow temperature per IPC/JEDEC J-STD-020D standard.

Prepared By:  Date: August 11, 2014 (Sr.Reliability Engineer)

(Mr.Udom Suksansakul)

Approved By:  Date: August 11, 2014 (Reliability Manager)

(Mr. Somnuek Thongprasert)

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard/ Method	Qty. (Acc.)	Def/SS	Result	Remarks
Moisture/Reflow Sensitivity Classification Test (At MSL Level 3)	30°C/60%RH Moisture Soak 192 hrs. System: TABAI ESPEC Model PR-3SPH 3x Convection-Reflow 265°C max System: Vitronics Soltec MR1243 (IPC/JEDEC J-STD-020D)	IPC/JEDEC C J-STD- 020D	135	0/135	Pass	

Precondition Prior Perform Reliability Tests (At MSL Level 3)	Electrical Test :+25°C,85°C and 125°C System: J750	JESD22- A113	693(0)	693	Pass	Good Devices
	Bake 150°C, 24 hrs System: CHINEE			693		
	30°C/60%RH Moisture Soak 192 hrs. System: TABAI ESPEC Model PR-3SPH			693		
	3x Convection-Reflow 265°C max System: Vitronics Soltec MR1243			693		
	Electrical Test :+25°C and 85°C (With 1 lot 125°C on ANAP150900325.000) System: J750			0/693		

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard/ Method	Qty. (Acc.)	Def/SS.	Result	Remarks
Temp Cycle	Stress Condition: -65°C to +150°C, 500 Cycles System : TABAI ESPEC TSA-70H	JESD22- A104		231		Parts had been pre-conditioned at 260°C
	Electrical Test: + 85°C (With 1 lot 125°C on ANAP150900325.000) System: J750		231(0)	0/231	Pass	77 units / lot
	Bond Strength: Wire Pull (> 3.0 grams)		15 (0)	0/15	Pass	
	Bond Shear (15.00 grams)		15 (0)	0/15	Pass	
UNBIASED-HAST	Stress Condition: +130°C/85%RH, 96 hrs. System: HAST 6000X	JESD22- A118		231		Parts had been pre-conditioned at 260°C
	Electrical Test: +25°C System: J750		231(0)	0/231	Pass	77 units / lot
HAST	Stress Condition: +130°C/85%RH, 96 hrs. Bias Volt: 5.0 Volts System: HAST 6000X	JESD22- A110		231		Parts had been pre-conditioned at 260°C
	Electrical Test: +25°C and 85°C (With 1 lot 125°C on ANAP150900325.000) System: J750		231(0)	0/231	Pass	77 units / lot
High Temperature Storage Life	Stress Condition: Bake 175°C, 504 hrs System: SHEL LAB	JESD22- A103		45		45 units
	Electrical Test :+25°C ,85°C and 125°C System: J750		45(0)	0/45	Pass	

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard/ Method	Qty. (Acc.)	Def/SS.	Result	Remarks
Solderability Temp 215°C	Steam Aging: Temp 93°C,8Hrs System: SAS-3000 Solder Dipping: Solder Temp.215°C Solder material: SnPb Sn63,Pb37 System: ERSA RA 2200D Visual Inspection: External Visual Inspection	JESD22B-102E	22 (0)	22 22 0/22	Pass	
Solderability Temp 245°C	Steam Aging: Temp 93°C,8Hrs System: SAS-3000 Solder Dipping:Solder Temp.245°C Solder material:Pb Free Sn 95.5Ag3.9 Cu0.6 System: ERSA RA 2200D Visual Inspection: External Visual Inspection	JESD22B-102E	22 (0)	22 22 0/22	Pass	
Bond Strength Data Assembly	Wire Pull (>3.0 grams)	M2011	30 (0)	0/30	Pass	
	Bond Shear (15.00 grams)	JESD22-B116	30 (0)	0/30	Pass	