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Product Change Notification - RMES-22ISPF896

Date: 10 Jan 2017

Product Category: USB Bridge; Successive Approximation Register (SAR) A/D Converters; Sigma - Delta A/D Converters; Digital Potentiometers; Linear Op Amps; Linear Comparators; Linear Programmable Gain Amplifiers; Capacitive Touch Sensors; 8-bit PIC Microcontrollers; 16-Bit - Microcontrollers and Digital Signal Controllers

Notification subject: CCB 2817 Final Notice: Qualification of C194 lead-frame for selected products in 14 TSSOP package at ANAP assembly site.

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

Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CPN.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of C194 lead-frame for selected products in 14 TSSOP package at ANAP assembly site.

Pre Change:

C7025 lead frame

Post Change:

C194 lead frame

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	ANAP	ANAP
Wire material	Au	Au
Die attach material	8290	8290
Molding compound material	G700	G700
Lead frame material	C7025	C194

Impacts to Data Sheet:
None

Change Impact:
None

Reason for Change:
To improve productivity by qualifying C194 lead frame material.

Change Implementation Status:
In Progress

Estimated First Ship Date:
February 10, 2017 (date code: 1706)

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

Time Table Summary:

Workweek	January 2017				February 2017			
	01	02	03	04	05	06	07	08
Qualification Report Availability		X						
Final PCN Issue Date		X						
Estimated Implementation Date						X		

Method to Identify Change:
Traceability code

Qualification Report:
Please open the attachments included with this PCN labeled as PCN_#_Qual Report.

Revision History:
January 10, 2017: Issued final notification.

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_RMES-22ISPF896_Qual Report.pdf](#)
 - [PCN_RMES-22ISPF896_Affected CPN.pdf](#)
 - [PCN_RMES-22ISPF896_Affected CPN.xls](#)

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

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
HA1020-I/ST
HA1020T-I/ST
HA4923-I/ST
HA4923T-I/ST
HA4986-I/ST
HA4986T-I/ST
MCP2221A-I/ST
MCP2221AT-I/ST
MCP2221-I/ST
MCP2221T-I/ST
MCP3004-I/ST
MCP3004T-I/ST
MCP3204-BAI/ST
MCP3204-CI/ST
MCP3204T-BAI/ST
MCP3204T-CI/ST
MCP3302-BI/ST
MCP3302-CI/ST
MCP3302T-BI/ST
MCP3302T-CI/ST
MCP3424-E/ST
MCP3424T-E/ST
MCP3428-E/ST
MCP3428T-E/ST
MCP42010-E/ST
MCP42010-I/ST
MCP42010T-E/ST
MCP42010T-I/ST
MCP42050-E/ST
MCP42050-I/ST
MCP42050T-E/ST
MCP42050T-I/ST
MCP42100-E/ST
MCP42100-I/ST
MCP42100T-E/ST
MCP42100T-I/ST
MCP4231-103E/ST
MCP4231-104E/ST
MCP4231-502E/ST
MCP4231-503E/ST
MCP4231T-103E/ST
MCP4231T-104E/ST
MCP4231T-502E/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
MCP4231T-503E/ST
MCP4241-103E/ST
MCP4241-104E/ST
MCP4241-502E/ST
MCP4241-503E/ST
MCP4241T-103E/ST
MCP4241T-104E/ST
MCP4241T-502E/ST
MCP4241T-503E/ST
MCP4251-103E/ST
MCP4251-104E/ST
MCP4251-502E/ST
MCP4251-503E/ST
MCP4251T-103E/ST
MCP4251T-104E/ST
MCP4251T-502E/ST
MCP4251T-503E/ST
MCP4261-103E/ST
MCP4261-104E/ST
MCP4261-502E/ST
MCP4261-503E/ST
MCP4261T-103E/ST
MCP4261T-104E/ST
MCP4261T-502E/ST
MCP4261T-503E/ST
MCP4332-103E/ST
MCP4332-104E/ST
MCP4332-502E/ST
MCP4332-503E/ST
MCP4332T-103E/ST
MCP4332T-104E/ST
MCP4332T-502E/ST
MCP4332T-503E/ST
MCP4342-103E/ST
MCP4342-104E/ST
MCP4342-502E/ST
MCP4342-503E/ST
MCP4342T-103E/ST
MCP4342T-104E/ST
MCP4342T-502E/ST
MCP4342T-503E/ST
MCP4352-103E/ST
MCP4352-104E/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
MCP4352-502E/ST
MCP4352-503E/ST
MCP4352T-103E/ST
MCP4352T-104E/ST
MCP4352T-502E/ST
MCP4352T-503E/ST
MCP4362-103E/ST
MCP4362-104E/ST
MCP4362-502E/ST
MCP4362-503E/ST
MCP4362T-103E/ST
MCP4362T-104E/ST
MCP4362T-502E/ST
MCP4362T-503E/ST
MCP4432-103E/ST
MCP4432-104E/ST
MCP4432-502E/ST
MCP4432-503E/ST
MCP4432T-103E/ST
MCP4432T-104E/ST
MCP4432T-502E/ST
MCP4432T-503E/ST
MCP4442-103E/ST
MCP4442-104E/ST
MCP4442-502E/ST
MCP4442-503E/ST
MCP4442T-103E/ST
MCP4442T-104E/ST
MCP4442T-502E/ST
MCP4442T-503E/ST
MCP4452-103E/ST
MCP4452-104E/ST
MCP4452-502E/ST
MCP4452-503E/ST
MCP4452T-103E/ST
MCP4452T-104E/ST
MCP4452T-502E/ST
MCP4452T-503E/ST
MCP4462-103E/ST
MCP4462-104E/ST
MCP4462-502E/ST
MCP4462-503E/ST
MCP4462T-103E/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
MCP4462T-104E/ST
MCP4462T-502E/ST
MCP4462T-503E/ST
MCP4631-103E/ST
MCP4631-104E/ST
MCP4631-502E/ST
MCP4631-503E/ST
MCP4631T-103E/ST
MCP4631T-104E/ST
MCP4631T-502E/ST
MCP4631T-503E/ST
MCP4641-103E/ST
MCP4641-104E/ST
MCP4641-502E/ST
MCP4641-503E/ST
MCP4641T-103E/ST
MCP4641T-104E/ST
MCP4641T-502E/ST
MCP4641T-503E/ST
MCP4651-103E/ST
MCP4651-104E/ST
MCP4651-502E/ST
MCP4651-503E/ST
MCP4651T-103E/ST
MCP4651T-104E/ST
MCP4651T-502E/ST
MCP4651T-503E/ST
MCP4661-103E/ST
MCP4661-103PE/ST
MCP4661-104E/ST
MCP4661-502E/ST
MCP4661-503E/ST
MCP4661T-103E/ST
MCP4661T-104E/ST
MCP4661T-502E/ST
MCP4661T-503E/ST
MCP6004-E/ST
MCP6004-I/ST
MCP6004-I/STAAA
MCP6004T-E/ST
MCP6004T-I/ST
MCP6004T-I/STAAA
MCP6044-E/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
MCP6044-I/ST
MCP6044T-E/ST
MCP6044T-I/ST
MCP604-E/ST
MCP604-I/ST
MCP604-I/STAAA
MCP604T-E/ST
MCP604T-I/ST
MCP604T-I/STAAA
MCP609-I/ST
MCP609T-I/ST
MCP6144-E/ST
MCP6144-I/ST
MCP6144T-E/ST
MCP6144T-I/ST
MCP6234-E/ST
MCP6234T-E/ST
MCP6244-E/ST
MCP6244T-E/ST
MCP6274-E/ST
MCP6274T-E/ST
MCP6284-E/ST
MCP6284T-E/ST
MCP6294-E/ST
MCP6294T-E/ST
MCP6404-E/ST
MCP6404T-E/ST
MCP6564-E/ST
MCP6564T-E/ST
MCP6569-E/ST
MCP6569T-E/ST
MCP660-E/ST
MCP660T-E/ST
MCP664-E/ST
MCP664T-E/ST
MCP6H04-E/ST
MCP6H04T-E/ST
MCP6L04T-E/ST
MCP6L4T-E/ST
MCP6L74T-E/ST
MCP6L94T-E/ST
MCP6S26-I/ST
MCP6S26T-I/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
MTCH105-I/ST
MTCH105T-I/ST
PIC16F1455-E/ST
PIC16F1455-I/ST
PIC16F1455T-I/ST
PIC16F1503-E/ST
PIC16F1503-I/ST
PIC16F1503T-E/ST
PIC16F1503T-E/ST053
PIC16F1503T-I/ST
PIC16F1503T-I/ST053
PIC16F1613-E/ST
PIC16F1613-I/ST
PIC16F1613T-I/ST
PIC16F1703-E/ST
PIC16F1703-I/ST
PIC16F1703T-I/ST
PIC16F1705-E/ST
PIC16F1705-I/ST
PIC16F1705T-E/ST
PIC16F1705T-I/ST
PIC16F1823-E/ST
PIC16F1823-E/STC07
PIC16F1823-H/ST
PIC16F1823-I/ST
PIC16F1823-I/STC06
PIC16F1823-I/STC08
PIC16F1823T-E/ST
PIC16F1823T-E/STC07
PIC16F1823T-H/ST
PIC16F1823T-I/ST
PIC16F1823T-I/ST036
PIC16F1823T-I/STC06
PIC16F1823T-I/STC08
PIC16F1824-E/ST
PIC16F1824-I/ST
PIC16F1824-I/STRA5
PIC16F1824T-E/ST
PIC16F1824T-E/ST037
PIC16F1824T-E/ST038
PIC16F1824T-E/ST040
PIC16F1824T-E/ST041
PIC16F1824T-I/ST

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PCN_RMES-22ISPF896
CATALOG_PART_NBR
PIC16F1824T-I/STRA5
PIC16F1825-E/ST
PIC16F1825-H/ST
PIC16F1825-I/ST
PIC16F1825-I/ST027
PIC16F1825-I/ST036
PIC16F1825-I/STC02
PIC16F1825T-E/ST
PIC16F1825T-H/ST
PIC16F1825T-I/ST
PIC16F1825T-I/ST026
PIC16F1825T-I/ST027
PIC16F1825T-I/ST036
PIC16F1825T-I/STC02
PIC16F505-E/ST
PIC16F505-I/ST
PIC16F505T-E/ST
PIC16F505T-I/ST
PIC16F505T-I/ST061
PIC16F506-E/ST
PIC16F506-I/ST
PIC16F506T-I/ST
PIC16F506T-I/STC01
PIC16F526-E/ST
PIC16F526-I/ST
PIC16F526T-I/ST
PIC16F526T-I/ST059
PIC16F610-E/ST
PIC16F610-I/ST
PIC16F610T-E/ST
PIC16F610T-I/ST
PIC16F610T-I/ST023
PIC16F610T-I/ST024
PIC16F610T-I/ST025
PIC16F610T-I/ST026
PIC16F610T-I/ST027
PIC16F610T-I/ST028
PIC16F610T-I/ST029
PIC16F610T-I/ST032
PIC16F610T-I/ST038
PIC16F610T-I/ST040
PIC16F610T-I/ST041
PIC16F610T-I/ST042

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PCN_RMES-22ISPF896
CATALOG_PART_NBR
PIC16F610T-I/ST043
PIC16F616-E/ST
PIC16F616-H/ST
PIC16F616-I/ST
PIC16F616-I/ST036
PIC16F616T-E/ST
PIC16F616T-I/ST
PIC16F616T-I/ST026
PIC16F616T-I/ST027
PIC16F616T-I/ST037
PIC16F616T-I/ST039
PIC16F616T-I/ST043
PIC16F616T-I/ST044
PIC16F616T-I/ST045
PIC16F616T-I/ST051
PIC16F616T-I/ST058
PIC16F616T-I/ST059
PIC16F616T-I/ST065
PIC16F616T-I/ST076
PIC16F616T-I/ST088
PIC16F616T-I/ST090
PIC16F630-E/ST
PIC16F630-I/ST
PIC16F630T-E/ST
PIC16F630T-I/ST
PIC16F630T-I/ST052
PIC16F630T-I/STC04
PIC16F636-E/ST
PIC16F636-I/ST
PIC16F636-I/ST054
PIC16F636T-E/ST
PIC16F636T-I/ST
PIC16F676-E/ST
PIC16F676-I/ST
PIC16F676-I/STAU
PIC16F676-I/STC15
PIC16F676T-E/ST
PIC16F676T-I/ST
PIC16F676T-I/ST061
PIC16F676T-I/ST062
PIC16F676T-I/STAU
PIC16F676T-I/STC15
PIC16F688-E/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
PIC16F688-I/ST
PIC16F688-I/ST029
PIC16F688-I/ST049
PIC16F688-I/ST050
PIC16F688T-E/ST
PIC16F688T-I/ML
PIC16F688T-I/ST
PIC16F688T-I/ST029
PIC16F688T-I/ST036
PIC16F688T-I/ST044
PIC16F688T-I/ST049
PIC16F688T-I/ST050
PIC16F688T-I/ST054
PIC16F688T-I/ST056
PIC16F688T-I/ST061
PIC16F688T-I/ST062
PIC16F753-E/ST
PIC16F753-I/ST
PIC16F753T-E/ST
PIC16F753T-I/ST
PIC16HV610-E/ST
PIC16HV610-I/ST
PIC16HV610T-I/ST
PIC16HV616-E/ST
PIC16HV616-I/ST
PIC16HV616T-E/ST
PIC16HV616T-I/ST
PIC16HV753-E/ST
PIC16HV753-E/STC01
PIC16HV753-E/STC03
PIC16HV753-I/ST
PIC16HV753-I/ST025
PIC16HV753T-E/ST
PIC16HV753T-E/ST027
PIC16HV753T-E/STC01
PIC16HV753T-E/STC03
PIC16HV753T-I/ST
PIC16HV753T-I/ST025
PIC16LC505-04/ST
PIC16LC505-04I/ST
PIC16LF1455-E/ST
PIC16LF1455-I/ST
PIC16LF1455T-I/ST

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Affected Catalog Part Numbers (CPN)

PCN_RMES-22ISPF896
CATALOG_PART_NBR
PIC16LF1503-E/ST
PIC16LF1503-I/ST
PIC16LF1503-I/STC03
PIC16LF1503T-I/ST
PIC16LF1503T-I/ST025
PIC16LF1503T-I/STC03
PIC16LF1554-E/ST
PIC16LF1554-I/ST
PIC16LF1554T-I/ST
PIC16LF1613-E/ST
PIC16LF1613-I/ST
PIC16LF1613T-I/ST
PIC16LF1703-E/ST
PIC16LF1703-I/ST
PIC16LF1703T-I/ST
PIC16LF1705-E/ST
PIC16LF1705-I/ST
PIC16LF1705T-I/ST
PIC16LF1823-E/ST
PIC16LF1823-I/ST
PIC16LF1823-I/STC05
PIC16LF1823T-I/ST
PIC16LF1823T-I/STC05
PIC16LF1824-E/ST
PIC16LF1824-I/ST
PIC16LF1824T-E/ST
PIC16LF1824T-I/ST
PIC16LF1824T-I/ST024
PIC16LF1825-E/ST
PIC16LF1825-I/ST
PIC16LF1825-I/STC01
PIC16LF1825T-I/ST
PIC24F04KA200-I/ST
PIC24F04KA200T-I/ST