

AMIC110 ICE

Assembly Bill of Material (BOM)

| CHANGE HISTORY | | | |
|----------------|---------------|--------------------|---------|
| Version No. | Release Date | Change Description | Remarks |
| 0.1 | 04th APR 2017 | Initial Draft | |
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|--|-------------------|-------------------------------|
| Mistral Solutions [P] Ltd. | Project name | AMIC110 ICE |
| #60 Adarsh regent,100 Feet Ring Road, Domliur Extension Bangalore 560 071, Ph : +91-80-30912600, Fax :-91-80-25366444 | Document name | MS_TI_AMIC_ICE_EVM_BOM_REV1.1 |
| | Date | 04th APR 2017 |
| | BOM Version | 0.10 |
| | Schematic Version | REV 1.1 |
| | Board Revision | REV 1.1 |
| | Project number | PROC040 |

Kit contents

| Item # | Designator | Quantity | Value | Description | Package Reference | Manufacturer Part Number | Manufacturer | Lead Free Status | RoHS Status | REACH Status | Remarks |
|--------|------------|----------|-------|--|-------------------|--------------------------|--------------|------------------|----------------|---------------------|---------|
| 1 | IPCBI | 1 | | Printed Circuit Board | NA | TMDXICE110 | Any | NA | NA | NA | |
| 2 | LBL1 | 1 | | Thermal Transfer Printable Labels, 0.650" W x 0.200" H | Label_650x200 | THT-14-423-10 | Brady | Lead free | RoHS Compliant | NA | |
| 3 | H3 | 1 | | USB to TTL Serial 3.3V Cable 5.90" (1.80m) Unshielded | Cable, Accessory | TTL-232R-3V3 | FTDI Chip | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 4 | H4 | 1 | | ESD Cover | Cover | NA | NA | NA | NA | NA | |
| 5 | H5 | 1 | | Printed Warranty notice | NA | NA | NA | NA | NA | NA | |
| 6 | H6 | 1 | | Printed OSG | NA | NA | NA | NA | NA | NA | |

Populated List

| Item # | Designator | Quantity | Value | Description | Package Reference | Manufacturer Part Number | Manufacturer | Lead Free Status | RoHS Status | REACH Status | Remarks |
|--------|--|----------|--------|---|-------------------|--------------------------|---------------------|------------------|----------------|---------------------|---------|
| 1 | C1, C91, C92, C94, C95, C97, C98, C100, C101, C103, C104, C106, C107, C108, C109, C110, C111, C112, C113, C114, C119, C120, C121, C122, C124, C125, C126, C127, C128, C129, C130, C134, C135, C145, C146, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C163, C164, C165, C166, C167, C169, C182, C183 | 56 | 0.01uF | CAP. CERM, 0.01 uF, 10 V, +/- 10%, X7R, 0201 | 0201 | GRM033R71A103KA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 2 | C2, C172, C173, C174, C175, C176 | 6 | 0.1uF | CAP. CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0402 | 0402 | GRM155R71A104KA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 3 | C3, C6, C23, C171 | 4 | 0.1uF | CAP. CERM, 0.1 uF, 6.3 V, +/- 10%, X7R, 0402 | 0402 | GRM155R70J104KA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 4 | C5 | 1 | 1000pF | CAP. CERM, 1000 pF, 16 V, +/- 10%, X7R, 0402 | 0402 | GRM155R71C102KA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 5 | C7, C8, C32, C36, C55, C63 | 6 | 10uF | CAP. CERM, 10 uF, 10 V, +/- 10%, X7R, 0805 | 0805_HV | 885012207026 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 6 | C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C26, C27, C41, C42, C49, C50, C60, C61, C88, C89, C90 | 25 | 0.1uF | CAP. CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402 | 0402 | 885012205037 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 7 | C24, C25, C40, C43, C47, C48, C59, C62, C72, C76, C77, C79, C83, C85, C86, C131, C132, C133 | 18 | 1uF | CAP. CERM, 1 uF, 6.3 V, +/- 20%, X7R, 0402 | 0402 | GRM155R70J105MA12D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 8 | C28, C29, C30, C31, C51, C52, C53, C54 | 8 | 4.7pF | CAP. CERM, 4.7 pF, 50 V, +/- 5%, COG/NPO, 0201 | 0201 | GRM0335C1H4R7CA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 9 | C33, C37, C56, C64 | 4 | 0.01uF | CAP. CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0402 | 0402 | 885012205031 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 10 | C34, C38, C57, C65 | 4 | 1000pF | CAP. CERM, 1000 pF, 25 V, +/- 10%, X7R, 0402 | 0402 | 885012205044 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 11 | C35, C39, C58, C66 | 4 | 100pF | CAP. CERM, 100 pF, 50 V, +/- 10%, X7R, 0402 | 0402 | CC0402KRX7R9BB101 | Yageo America | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 12 | C45, C46, C68, C69, C168, C170, C70, C71, C73, C74, C75, C78, C80, C81, C82, C93, C96, C99, C102, C105, C115, C123, C136, C137, C147, C148, C162 | 6 | 20pF | CAP. CERM, 20 pF, 50 V, +/- 5%, COG/NPO, 0402 | 0402 | GRM1555C1H200JA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 13 | C84, C87 | 21 | 10uF | CAP. CERM, 10 uF, 25 V, +/- 20%, X5R, 0603 | 0603 | C1608X5R1E106M080AC | TDK | Lead free | RoHS Compliant | Unaffected Jun-2015 | |
| 14 | C116, C117, C118, C138, C139, C140, C141, C142, C143, C144 | 2 | 2.2uF | CAP. CERM, 2.2 uF, 10 V, +/- 10%, X7R, 0603 | 0603 | GRM188R71A225KE15D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 15 | C177 | 10 | 0.1uF | CAP. CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0201 | 0201L | CL03A104KP3N3NC | Samsung | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 16 | C178, C181 | 1 | 4.7uF | CAP. CERM, 4.7 uF, 16 V, +/- 10%, X5R, 0603 | 0603 | GRM188R61C475KAAJ | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 17 | C179, C180 | 2 | 0.1uF | CAP. CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0603 | 0603 | GRM188R71C104KA01D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 18 | C184, C186 | 2 | 22uF | CAP. CERM, 22 uF, 10 V, +/- 20%, X5R, 0603 | 0603 | GRM188R61A226ME15D | MuRata | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 19 | | 2 | 1000pF | CAP. CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206, 190 | 1206, 190 | 202R18W102KV4E | Johanson Technology | Lead free | RoHS Compliant | Unaffected Jun-2015 | |

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|----|--|----|--------|---|--------------------------------|---------------------------|-----------------------------|-----------|----------------|---------------------|--|
| 20 | D2, D3, D8, D15 | 4 | Green | LED, Green, SMD | WL-SMCW_GREEN | 150060VS75000 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 21 | D4, D9 | 2 | Yellow | LED, Yellow, SMD | WL-SMCW_YELLOW | 150060VS75000 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 22 | D5, D10 | 2 | Orange | LED, Orange, SMD | VLmX1500_Orange | VLM01500-G508 | Vishay-Semiconductor | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 23 | D6, D17 | 2 | GREEN | LED, GREEN SMD | APTD1608 | APTD1608LZGCK | Kingbright | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 24 | D7 | 1 | Red | LED, RED, SMD | WL-SMCW_RED | 150060CRS75000 | Würth Elektronik | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 25 | D11, D12, D13, D14 | 4 | 40V | Diode, Schottky, 40 V, 0.5 A, SOD-123 | SOD-123 | MBR0540T1G | ON Semiconductor | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 26 | D16, D19 | 2 | RED | LED, RED SMD | APTD1608 | APTD1608LSECK/J3-PF | Kingbright | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 27 | D18, D20 | 2 | YELLOW | LED, YELLOW SMD | APTD1608 | APTD1608LSVCK/J3-PF | Kingbright | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 28 | J1 | 1 | | Header, 1.27mm, 10x2, Tin, SMT | Samtec, FTR-110-51-x-D-06 | FTR-110-51-S-D-06 | Samtec | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 29 | J2 | 1 | | Receptacle, 0.4mm, 30x2, Gold, SMT | Hirose, DF40HC-4, 0-60DS-0, 4V | DF40HC(4,0)-60DS-0.4V(51) | Hirose Electric Co. Ltd. | Lead free | RoHS Compliant | REACH Compliant | |
| 30 | J3 | 1 | | Header, 100mil, 6x1, Tin, TH | Sullins, PEC06SAAN | PEC06SAAN | Sullins Connector Solutions | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 31 | J4, J5 | 2 | | Connector, Receptacle, 100mil, 10x2, Gold plated, TH | CONN, SSW-110-23-F-D | SSW-110-23-F-D | Samtec | Lead free | RoHS Compliant | REACH Compliant | |
| 32 | J6, J7 | 2 | | RJ-45, No LED, 1ab up, R/A, TH | TEC, 1-406541-1 | 1-406541-1 | TE Connectivity | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 33 | J8 | 1 | | Power Jack, mini, 2.1mm OD, R/A, TH | CONN, RAPC722X | RAPC722X | Switchcraft | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 34 | J9 | 1 | | Header, 2.54mm, 1x2, Tin, Black, TH | Sullins, PXC01DAAN | PEC01DAAN | Sullins Connector Solutions | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 35 | L1, L2 | 2 | 2.2uH | Inductor, Shielded, Ferrite, 2.2 uH, 1.72 A, 0.059 ohm, | VLFC4020 | VLFC4020T-2R2N1R7 | TDK | Lead free | RoHS Compliant | Unaffected Jun-2015 | |
| 36 | L3 | 1 | 3.3uH | Inductor, Shielded, Ferrite, 3.3 uH, 1.52 A, 0.078 ohm, | VLFC4020 | VLFC4020T-3R3N1R5 | TDK | Lead free | RoHS Compliant | Unaffected Jun-2015 | |
| 37 | L4 | 1 | 1.5uH | Inductor, Shielded, Composite, 1.5 uH, 4.6 A, 0.01 ohm, | XFL4020 | XFL4020-152MEB | Coilcraft | Lead free | RoHS Compliant | REACH Compliant | |
| 38 | Q1, Q2, Q3, Q4, Q5, Q6 | 6 | 12V | MOSFET, N-CH, 12 V, 2.9 A, YJCD003A | YJCD003A | CSD13383F4 | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 39 | R218, R219, R237 | 11 | 4.7k | RES, 4.7 k, 5%, 0.063 W, 0402 | 0402 | CRCW04024K70JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| | R4, R5, R6, R7, R8, R41, R46, R50, R52, R57, R62, R70, R73, R77, R81, R83, R84, R89, R93, R94, R98, R102, R139, R143, R144, R146, R151, R152, R154, R156, R157, R158, R159, R160, R161, R163, R164, R165, R166, R167, R170, R171, R182, R183, R186, R187, R212 | 47 | 0 | RES, 0, 5%, 0.063 W, 0402 | 0402 | CRCW04020000Z0ED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 40 | R9 | 1 | 100 | RES, 100, 5%, 0.063 W, 0402 | 0402 | CRCW0402100RJNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2011 | |
| 42 | R10 | 1 | 1.0k | RES, 1.0 k, 5%, 0.063 W, 0402 | 0402 | CRCW04021K00JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| | R14, R18, R23, R32, R33, R48, R55, R64, R76, R102, R114, R115, R119, R121, R138, R141, R142, R162, R168, R207, R208, R209, R210, R213, R214, R234 | 26 | 10k | RES, 10 k, 5%, 0.063 W, 0402 | 0402L | CRCW040210K0JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 44 | R15, R17, R25, R27 | 4 | 1.6k | RES, 1.6 k, 5%, 0.063 W, 0402 | 0402L | CRCW04021K60JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 45 | R16, R26 | 2 | 1.2k | RES, 1.2 k, 5%, 0.063 W, 0402 | 0402L | CRCW04021K20JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 46 | R19, R20, R21, R22, R28, R29, R30, R31 | 8 | 1.5k | RES, 1.5 k, 5%, 0.063 W, 0402 | 0402L | CRCW04021K50JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| | R34, R35, R36, R39, R40, R217, R238, R239, R240 | 9 | 10.0k | RES, 10.0 k, 1%, 0.063 W, 0402 | 0402 | CRCW040210K0FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 48 | R37 | 1 | 1.50k | RES, 1.50 k, 1%, 0.063 W, 0402 | 0402 | CRCW04021K50FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 49 | R38 | 1 | 240 | RES, 240, 1%, 0.1 W, AEC-Q200 Grade 0, 0402 | 0402 | ERJ-2RFZ400X | Panasonic | Lead free | RoHS Compliant | Unaffected Jun-2015 | |
| | R42, R43, R44, R45, R58, R59, R60, R61, R169 | 9 | 49.9 | RES, 49.9, 1%, 0.063 W, 0402 | 0402L | CRCW040249R9FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 51 | R47, R63 | 2 | 4.87k | RES, 4.87 k, 1%, 0.063 W, 0402 | 0402 | CRCW04024K87FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 52 | R56, R69 | 2 | 2.4k | RES, 2.4 k, 5%, 0.063 W, 0402 | 0402 | CRCW04022K40JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 53 | R67, R68, R188, R189, R235, R236 | 6 | 2.49k | RES, 2.49 k, 1%, 0.063 W, 0402 | 0402L | CRCW04022K49FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 54 | R78 | 1 | 165k | RES, 165 k, 1%, 0.063 W, 0402 | 0402 | CRCW0402165KFKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 55 | R79, R86, R97, R100 | 4 | 200k | RES, 200 k, 1%, 0.063 W, 0402 | 0402 | CRCW0402200KFKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 56 | R80 | 1 | 2.0 | RES, 2.0, 0.5%, 0.1 W, 0603 | 0603 | CRCW06032R00JNEA | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 57 | R82 | 1 | 301k | RES, 301 k, 1%, 0.063 W, 0402 | 0402 | CRCW0402301KFKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 58 | R85 | 1 | 4.99k | RES, 4.99 k, 1%, 0.063 W, 0402 | 0402 | CRCW04024K99FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 59 | R87, R91 | 2 | 2.00k | RES, 2.00 k, 1%, 0.063 W, 0402 | 0402 | CRCW04022K00FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 60 | R88, R95 | 2 | 1.00k | RES, 1.00 k, 1%, 0.063 W, 0402 | 0402 | CRCW04021K00FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 61 | R90 | 1 | 432k | RES, 432 k, 1%, 0.063 W, 0402 | 0402 | CRCW0402432KFKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 62 | R92 | 1 | 95.3k | RES, 95.3 k, 1%, 0.063 W, 0402 | 0402 | CRCW040295K3FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 63 | R96, R99 | 2 | 162k | RES, 162 k, 1%, 0.063 W, 0402 | 0402 | CRCW0402162KFKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| | R101, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R135, R136, R137, R172 | 15 | 100k | RES, 100 k, 5%, 0.063 W, 0402 | 0402 | CRCW0402100KJNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 65 | R140, R147, R148, R150, R153, R179 | 6 | 22 | RES, 22, 5%, 0.063 W, 0402 | 0402L | CRCW040222R0JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 66 | R145, R149 | 2 | 47 | RES, 47, 5%, 0.063 W, 0402 | 0402L | CRCW040247R0JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 67 | R155 | 1 | 2.2k | RES, 2.2 k, 5%, 0.063 W, 0402 | 0402L | CRCW04022K20JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 68 | R174, R175 | 2 | 33k | RES, 33 k, 5%, 0.063 W, 0402 | 0402 | CRCW040233K0JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 69 | R176, R177 | 2 | 51k | RES, 51 k, 5%, 0.063 W, 0402 | 0402 | CRCW040251K0JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 70 | R178 | 1 | 3.3k | RES, 3.3 k, 5%, 0.063 W, 0402 | 0402L | CRCW04023K30JNED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 71 | R184, R185 | 2 | 1.0k | RES, 1.0 k, 5%, 0.1 W, 0603 | 0603 | CRCW06031K00JNEA | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| | R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206 | 16 | 1.00k | RES, 1.00 k, 1%, 0.05 W, 0201 | 0201L | CRCW02011K00FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2011 | |
| | R220, R221, R222, R223, R224, R225, R226, R227 | 8 | 75.0 | RES, 75.0, 0.1%, 0.125 W, 0805 | 0805_HV | CRCW080575R0FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 73 | R228, R229, R230, R231, R232, R233 | 6 | 499 | RES, 499, 1%, 0.05 W, 0201 | 0201L | CRCW0201499R0FKED | Vishay-Dale | Lead free | RoHS Compliant | Unaffected Dec-2011 | |
| 75 | S1 | 1 | | SWITCH TACTILE SPST-NO 0.05A 12V | SW_B3U-1000P | B3U-1000P | Omron Electronic Components | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 76 | T1, T2 | 2 | 350uH | Transformer, 350 uH, SMT | Pulse_HX1188FNLT | HX1188FNLT | Pulse Engineering | Lead free | RoHS Compliant | Unaffected Dec-2015 | |
| 77 | TP8, TP9, TP10 | 3 | | Test Point, Miniature, Black, TH | Keystone5001 | 5001 | Keystone | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 78 | U1 | 1 | | 4GBIT DDR3 SDRAM, 96-FBGA | 96-FBGA | MT41K256M16TW-10T-IT-P | Micron Technology | Lead free | RoHS Compliant | REACH Compliant | |
| 79 | U2 | 1 | | 3V 64 M-bit Serial Flash Memory With Dual/Quad SPI&Q | Winbond-WSON6x5_Code P | W25Q64FVZPIG | Winbond | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 80 | U3, U5 | 2 | | 10/100 Ethernet PHY, RHB0032B | RHB0032B | DP83822HRHBR | Texas Instruments | Lead free | RoHS Compliant | REACH Compliant | |
| 81 | U4, U6 | 2 | | 1, 4, 6 CHANNEL PROTECTION SOLUTION FOR SUPER-S | DOA0010A | TPD4E05U06DOAR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 82 | U7 | 1 | | Power Management IC for Li-Ion Powered Systems, RHB | RHB0032E | TPS650250RHBR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 83 | U8, U9 | 2 | | Octal Buffers/Drivers With 3-State Outputs, DGV0020A | DGV0020A_L | SN74LVC541ADGVR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 84 | U10 | 1 | | Dual Bilateral Analog Switch, YZP0008ADAD | YZP0008ADAD | SN74LVC2G66VZPR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 85 | U11 | 1 | | Sitara Processors, ZC20324A | ZC20324A | AMIC110BZC2A | Texas Instruments | Lead free | RoHS Compliant | REACH Compliant | |
| 86 | U12 | 1 | | Dual Buffer and Driver With 3-State Output, YZP0008AD | YZP0008ADAD | SN74LVC2G241YZPR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 87 | U13, U14, U15 | 3 | | 8-BIT FET BUS SWITCH 2.5-V/3.3-V LOW-VOLTAGE HIGH | RGY0020A | SN74BC3032A5RGR | Texas Instruments | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 88 | U16 | 1 | | 256 kb 12C CMOS Serial EEPROM, SOIC-8 | SOIC-8 | CAT24C256W1-GT3 | ON Semiconductor | Lead free | RoHS Compliant | Unaffected Jun-2016 | |
| 89 | Y1, Y2, Y3 | 3 | | Crystal, 25 MHz, 18 pf, SMD | XTAL_ABM3 | 445123025M00000 | CTS ELECTRONIC COMPONENTS | Lead free | RoHS Compliant | Unaffected Jun-2016 | |

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