

# Parts List

## 510840-0001R

ASSY,DM365 EVM  
SUBA

|          |           |               |      |
|----------|-----------|---------------|------|
| Type     | PL        | PCB Package   |      |
| Revision | F         | ION Footprint |      |
| Status   | U         | Package Qty   | 1    |
| Date     | 2/21/2008 | Bin Loc.      | *    |
| By       |           | Product Class | SUBA |

| Item | Qty Unit | Part Number       | Type Rev | Title Detail   | Reference                   |
|------|----------|-------------------|----------|--|-----------------------------|
|      |          | ION Footprint     |          |  | Mfr Name                    |
|      |          |                   |          | Mfr P/N  |                             |
| 1    | 1 each   | 510841-0001R      | DWG D    | PWB,DM365 EVM<br>CSTM  |                             |
| 2    | 1 each   | 510842-0001       | DOC D    | LOGIC,DM365 EVM<br>SCH   |                             |
| 6    | 1 each   | 102942-0005R      | PS       | IC,BGA337,.65mm,DIGITAL MEDIA<br>MATL  | U18                         |
|      |          |                   |          | Texas Instruments  | TMS320DM365ZCE30            |
| 7    | 1 each   | 102445-0005R      | PS       | IC,BGA256,FPGA,2210 GATES,MAX II,1.8V<br>MATL                                | U33                         |
|      |          | bga256-18rd       |          | Altera Corporation   | EPM2210GF256C5N             |
| 8    | 1 each   | 102235-0001R      | PS       | IC,SO8,SERIAL EEPROM,256K-BIT<br>MATL  | U29                         |
|      |          | so8-25x75-295     |          | Replaced 101025-0001R. Backwards compatible.<br>Catalyst Semiconductor, Inc. | CAT24C256WI-GT3             |
| 9    | 1 each   | 102655-0001R      | PS       | IC,SO8,SPI SERIAL EEPROM,64K,2.7V<br>MATL                                    | U16                         |
|      |          | so8-25x75         |          | Atmel Corporation  | AT25640AN-10SU-2.7<br>SL383 |
| 10   | 1 each   | 102727-0001R      | PS       | IC,BGA63,ONE NAND FLASH MEMORY,1G<br>MATL                                    | U27                         |
|      |          | bga_6x8_8mm_flash |          | Samsung  | KFG1G16U2B-DIB6000          |
| 11   | 1 each   | 102085-0030R      | PS       | IC,BGA84/92,DDR2 SDRAM,1G,3nS<br>MATL  | U19                         |
|      |          | BGA92-13P8-MICRON |          | Micron Technology, Inc.  | MT47H64M16HR-3:G            |
| 12   | 1 each   | 102512-0001R      | PS       | IC,PQFP100,TRIPLE 8/10-BIT,VIDEO AND<br>MATL                                 | U20                         |
|      |          | pzp100-12x70-slug |          | Texas Instruments  | TVP7002PZP                  |
| 15   | 1 each   | 101916-0001R      | PS       | IC,PQFP80,VIDEO DECODER,4 X 10 BIT<br>MATL                                   | U24                         |
|      |          | pfp80-11x70       |          | Texas Instruments  | TVP5146PFP                  |
| 16   | 1 each   | 102774-0001R      | PS       | IC,QFN48,DC-DC CONVERTER<br>MATL   | U14                         |
|      |          | rsl48-8x33        |          | Texas Instruments  | TPS65530ARSLT               |

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|      |             | <b>ION Footprint</b> |             | <b>Mfr Name</b>                              | <b>Mfr P/N</b>    |
| 17   | 1<br>each   | 102322-0001R         | PS          | IC,QFP48,PHYSICAL LAYER TRANSCEIVER<br>MATL  | U5                |
|      |             | lqfp48-12x60         |             | Micrel Incorporated                          | KSZ8001L          |
| 20   | 1<br>each   | 102659-0016R         | PS          | IC,TSOP48,NAND FLASH,16G,3.3V<br>MATL        | U28               |
|      |             |                      |             | Micron Technology, Inc.                      | MT29F16G08FAAWC:A |
| 21   | 2<br>each   | 102513-0001R         | PS          | IC,TSSOP56,74CBT16214,12-BIT<br>MATL         | U17, U21          |
|      |             | dgg56-12x80          |             | Texas Instruments                            | SN74CBT16214CDGGR |
| 22   | 2<br>each   | 102693-0001R         | PS          | IC,TSSOP56,74CBTLV16212,LOW VOLTAGE,<br>MATL | U10, U37          |
|      |             | dgg56-12x80          |             | Texas Instruments                            | SN74CBTLV16212GR  |
| 25   | 1<br>each   | 102486-0001R         | PS          | IC,TSSOP24,8-BIT DUAL SUPPLY BUS<br>MATL     | U13               |
|      |             | pw24-14x70           |             | Texas Instruments                            | SN74AVC8T245PWR   |
| 26   | 1<br>each   | 102570-0001R         | PS          | IC,TSSOP20,3-CHANNEL LOW POWER VIDEO<br>MATL | U23               |
|      |             | pw20-14x70           |             | Texas Instruments                            | THS7303PWR        |
| 27   | 1<br>each   | 102541-0001R         | PS          | IC,TSSOP20,3-CHANNEL LOW POWER VIDEO<br>MATL | U15               |
|      |             | pw20-14x70           |             | Texas Instruments                            | THS7353PW         |
| 28   | 1<br>each   | 101691-0001R         | PS          | IC,TSSOP16,RS-232 DRIVER/RECEIVER<br>MATL    | U3                |
|      |             | pw16-14x70           |             | Texas Instruments                            | MAX3221CPWR       |
| 29   | 1<br>each   | 102781-0001R         | PS          | IC,TSSOP14,MIXED SIGNAL<br>MATL              | U2                |
|      |             | pw14-12x70           |             | Texas Instruments                            | MSP430F2013IPWR   |
| 30   | 2<br>each   | 101249-0001R         | PS          | IC,SSOP28,DUAL LOW-DROPOUT VOLTAGE<br>MATL   | U30, U42          |
|      |             | PWP28-14X70          |             | Texas Instruments                            | TPS767D301PWPR    |
| 35   | 1<br>each   | 102810-0001R         | PS          | IC,SO8,POWER DISTRIBUTION<br>MATL            | U4                |
|      |             | so8-25x75            |             | Texas Instruments                            | TPS2065DR         |
| 36   | 1<br>each   | 101057-0007R         | PS          | IC,SO5,SINGLE BUFFER/DRIVER<br>MATL          | U39               |
|      |             | dck-5                |             | Texas Instruments                            | SN74LVC1G07DCKR   |
| 37   | 3<br>each   | 102752-0001R         | PS          | IC,SMT,LINEAR REGULATOR,500mA<br>MATL        | U22, U31, U41     |
|      |             | drc10-11x33          |             | Texas Instruments                            | TPS74701DRCR      |

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|      |             | ION Footprint      |             | Mfr Name                                       | Mfr P/N                         |
| 38   | 1<br>each   | 102784-0001R       | PS          | IC,SMT,BOOST CONVERTER<br>MATL                 | U34                             |
|      |             | drc10-11x33        |             | Texas Instruments                              | TPS61080DRCT                    |
| 39   | 6<br>each   | 101670-0001R       | PS          | IC,QSOP16,LOW VOLTAGE,QUAD 2:1<br>MATL         | U11, U12, U25, U26,<br>U38, U40 |
|      |             | tssop16-14x70      |             | Texas Instruments                              | SN74CBTLV3257PWR                |
| 40   | 1<br>each   | 102780-0001R       | PS          | IC,QFN32,LOW POWER STEREO AUDIO CODEC<br>MATL  | U7                              |
|      |             | QFN32_202SQ        |             | Texas Instruments                              | TLV320AIC3101IRHBT              |
| 41   | 1<br>each   | 102783-0001R       | PS          | IC,QFN16,BATTERY BACKUP IC<br>MATL             | U9                              |
|      |             | rgt16-12x34        |             | Texas Instruments                              | TPS65510RGT                     |
| 42   | 1<br>each   | 101722-0001R       | PS          | IC,DBV6,LINER REGULATOR,ADJUSTABLE<br>MATL     | U36                             |
|      |             | dbv6-27x39-6       |             | Texas Instruments                              | TPS79301DBVR                    |
| 43   | 1<br>each   | 102020-0009R       | PS          | IC,DBV6,SUPERVISORY CIRCUIT,.9V<br>MATL        | U50                             |
|      |             | DBV6-27X39-6       |             | Texas Instruments                              | TPS3808G09DBVR                  |
| 44   | 1<br>each   | 101647-0001R       | PS          | IC,SO5,REGULATOR,SHUNT,LOW-VOLTAGE,ADJ<br>MATL | U114                            |
|      |             | dbv-20x60-5        |             | Texas Instruments                              | TLV431ACDBVR                    |
| 45   | 1<br>each   | 102171-0001R       | PS          | INFRARED RECEIVER,THRU-HOLE,40kHz<br>MATL      | U1                              |
|      |             | tsop34840-6545     |             | Vishay Intertechnology                         | TSOP34840                       |
| 55   | 1<br>each   | 100983-0012R       | PS          | OSC,SMT,12 MHZ<br>MATL                         | U35                             |
|      |             | OSC4-71X79         |             | CTS Electronics Corporation                    | CB3LV-3C-12M0000                |
| 56   | 1<br>each   | 100983-0025R       | PS          | OSC,SMT,25 MHZ<br>MATL                         | U6                              |
|      |             | OSC4-71X79         |             | CTS Electronics Corporation                    | CB3LV-3C-25M0000                |
| 57   | 1<br>each   | 100983-0027R       | PS          | OSC,SMT,27 MHZ<br>MATL                         | U8                              |
|      |             | OSC4-71X79         |             | CTS Electronics Corporation                    | CB3LV-3C-27M0000                |
| 58   | 2<br>each   | 102883-0032R       | PS          | CRYSTAL,SMT,32.768kHz<br>MATL                  | Y2, Y4                          |
|      |             | xtal4-23x47-ssp-t7 |             | Seiko Instruments USA, Inc.                    | SSPT7F-12.5PF20PPM              |

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|      |             | ION Footprint                       |             | Mfr Name   | Mfr P/N   |
| 59   | 1<br>each   | 101590-0143R<br><br>xtal2-75x94     | PS          | CRYSTAL,SMT,6mm,14.31818 MHZ<br>MATL<br><br>Citizen America Corporation  | Y3<br><br>CS10-14.31818MABJ-UT  |
| 60   | 1<br>each   | 101590-0240R<br><br>xtal2-75x94     | PS          | CRYSTAL,SMT,6mm,24 MHZ<br>MATL<br><br>Citizen America Corporation  | Y1<br><br>CS10-24.000MABJ-UT  |
| 65   | 1<br>each   | 101787-0001R<br><br>DBV6-27X39-6    | PS          | TRANSISTOR,SMT,DUAL LOAD SWITCH<br>MATL<br><br>Fairchild Semiconductor   | U32<br><br>FDC6331L   |
| 66   | 1<br>each   | 102789-0001R<br><br>vec8-12x45      | PS          | TRANSISTOR,SOIC,DUAL MOSFET,N AND P<br>MATL<br><br>Sanyo Electronic Components Co. Ltd.  | Q1<br><br>VEC2611   |
| 67   | 5<br>each   | 100680-0001R<br><br>SOT23-28X44-GSD | PS          | TRANSISTOR,SOT23,MOSFET,N-CHANNEL,BSS1<br>MATL<br>All ZETEX Pb-free product boxes and reels will have a green "Pb-free plating" label attached.<br><br>Zetex, Inc. | Q10, Q2, Q7, Q8, Q9<br><br>BSS138TA                                   |
| 68   | 3<br>each   | 102788-0001R<br><br>sc70-3m         | PS          | TRANSISTOR,SC-70,NPN,100mA<br>MATL<br><br>Rohm Corporation   | Q4, Q5, Q6<br><br>DTC114EUAT106                                       |
| 70   | 1<br>each   | 101808-0006R<br><br>SMC-80X128      | PS          | TRANSORB,SMC,UNI-DIRECTIONAL,1500W,6V<br>MATL<br><br>Diodes, Inc.  | D1<br><br>SMCJ6.0A-13-F   |
| 71   | 5<br>each   | 102220-0001R<br><br>sod123-36x48    | PS          | DIODE,SOD-123,SCHOTTKY POWER,,5A<br>MATL<br><br>Motorola, Inc.   | D2, D3, D4, D5, D8<br><br>MBR0530T1G                                  |
| 72   | 1<br>each   | 100695-0002R<br><br>SOT23-28X44     | PS          | DIODE,SOT23,REFERENCE,4.1V<br>MATL<br><br>National Semiconductor   | D6<br><br>LM4040CIM3X-4.1/NOPB  |
| 75   | 9<br>each   | 100823-0001R<br><br>led1206-59x59   | PS          | LED,SMT 1206,GREEN<br>MATL<br><br>LITEON   | DS1, DS2, DS3, DS4,<br>DS5, DS6, DS7, DS8,<br>DS9<br><br>LTST-C150GKT |
| 80   | 6<br>each   | 101919-0270R<br><br>L603-35x45      | PS          | INDUCTOR,SMT 0603,2.7uH,+/-10%<br>MATL<br><br>TDK Corporation  | L69, L70, L72, L75, L76,<br>L77<br><br>MLF1608A2R7K                   |
| 81   | 2<br>each   | 101584-0100R<br><br>L805-35x60      | PS          | INDUCTOR,SMT 0805,1uH<br>MATL<br><br>Associated Components Technology, Inc.  | L2, L3<br><br>CI0805-1R0K-R   |

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|      |             | ION Footprint                            |             | Mfr Name                                | Mfr P/N  |
| 82   | 3<br>each   | 102867-0151R<br><br>ind_sds680           | PS          | INDUCTOR,SMT,15uH,SHIELDED<br>MATL      | L10, L12, L17<br><br>API Delevan<br>SDS680R-153M   |
| 84   | 1<br>each   | 102867-0330R<br><br>ind_sds680           | PS          | INDUCTOR,SMT,3.3uH,SHIELDED<br>MATL     | L18<br><br>API Delevan<br>SDS680R-332M   |
| 85   | 1<br>each   | 102869-0470R<br><br>ind2-35x51           | PS          | INDUCTOR,SMT,4.7uH<br>MATL              | L13<br><br>TDK Corporation<br>VLF3012AT-4R7MR74  |
| 86   | 5<br>each   | 102867-0470R<br><br>ind_sds680           | PS          | INDUCTOR,SMT,4.7uH,SHIELDED<br>MATL     | L11, L15, L19, L35, L8<br><br>API Delevan<br>SDS680R-472M  |
| 90   | 1<br>each   | 103129-0001R<br><br>mic_th               | PS          | MICROPHONE,CYLINDRICAL,.38 DIA.<br>MATL | M1<br><br>Projects Unlimited<br>AOM-4544P-2-R  |
| 95   | 7<br>each   | 101858-1201R<br><br>l603-35x45           | PS          | FERRITE BEAD,SMT 0603,120 OHM<br>MATL   | L22, L27, L43, L58, L59,<br>L73, L31<br><br>Murata Electronics<br>BLM18AG121SN1D   |
| 96   | 23<br>each  | 101228-2201R<br><br>l805-35x60           | PS          | FERRITE BEAD,SMT 0805,220 OHMS<br>MATL  | L1, L20, L21, L23, L24,<br>L38, L39, L4, L40, L41,<br>L42, L44, L45, L46, L47,<br>L49, L5, L50, L52, L55,<br>L6, L80, L9<br><br>Murata Electronics<br>BLM21PG221SN1D   |
| 97   | 40<br>each  | 101126-0001R<br><br>FB1806-41X70         | PS          | FERRITE BEAD,SMT 1806,75 OHMS<br>MATL   | L14, L16, L25, L26, L28,<br>L29, L30, L32, L33, L34,<br>L36, L37, L48, L51, L53,<br>L54, L56, L57, L60, L61,<br>L62, L63, L64, L65, L66,<br>L67, L68, L7, L71, L74,<br>L78, L79, L81, L83, L84,<br>L85, L86, L88, L91, L92<br><br>Murata Electronics<br>BLM41PG750SN1L |
| 98   | 10<br>each  | 102569-1470R<br><br>emi-NFM21p           | PS          | FILTER,SMT 0805,EMI,.47uF,16V<br>MATL   | E1, E10, E2, E3, E4, E5,<br>E6, E7, E8, E9<br><br>Murata Electronics<br>NFM21PC474R1C3D  |
| 100  | 1<br>each   | 100872-0004R<br><br>FUSEFOLDER-OMNI-BLOK | PS          | FUSE,SMT,OMNI-BLOK,4A<br>MATL           | F1<br><br>Littlefuse<br>0154004.DRT  |
| 110  | 1<br>each   | 100995-0471R<br><br>c7343-84x118         | PS          | CAP,TANT,SMT 2816,47uF,10V<br>MATL      | C15<br><br>Kemet Electronics<br>Corporation<br>T491D476K010AT  |

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| 111  | 1<br>each   | 101608-0102R<br>c7343-84x118    | PS          | CAP,TANT,SMT 2816,100uF,10V<br>MATL<br>Vishay Intertechnology           | C2<br>593D107X9010D2TE3  |
| 112  | 3<br>each   | 101893-0332R<br>c7343-84x118    | PS          | CAP,TANT,SMT 2816,330uF,6.3V,20%<br>MATL<br>AVX Corporation             | C108, C112, C115<br>TPSE337M006R0100   |
| 115  | 4<br>each   | 100044-0330R<br>c3528-64x112    | PS          | CAP,TANT,SMT 1311,3.3uF,16V<br>MATL<br>Nichicon Corporation             | C178, C75, C85, C90<br>F971C335MBA   |
| 116  | 1<br>each   | 101824-0102R<br>c3528-64x112    | PS          | CAP,TANT,SMT 1311,100uF,6V<br>MATL<br>Kemet Electronics Corporation     | C107<br>T491B107M006AT   |
| 119  | 1<br>each   | 102359-0680R<br>c1206-40x70p    | PS          | CAP,TANT,SMT 1206,6.8uF,10V,+/-20%<br>MATL<br>Rohm Corporation          | C5<br>TCA1A685M8R  |
| 120  | 7<br>each   | 101953-0331R<br>c1206-40x70p    | PS          | CAP,TANT,SMT 1206,33uF,6.3V,LOW ESR<br>MATL<br>AVX Corporation          | C158, C163, C49, C59,<br>C88, C89, C29<br>TPSA336K006R0600   |
| 121  | 23<br>each  | 101003-0101R<br>c1206-40x70-POL | PS          | CAP,TANT,SMT 1206,10uF,6.3V<br>MATL<br>Kemet Electronics Corporation    | C1, C104, C110, C114,<br>C121, C13, C136, C14,<br>C142, C152, C259, C27,<br>C278, C308, C311,<br>C425, C6, C62, C68,<br>C78, C79, C80, C81<br>T491A106M006AT |
| 125  | 1<br>each   | 101583-1102R<br>EIA1812         | PS          | CAP,CER,SMT 1812,1000pF,X7R,2KV<br>MATL<br>AVX Corporation              | C3<br>1812GC102KAT1A   |
| 126  | 2<br>each   | 101497-0471R<br>C1206-40X70     | PS          | CAP,CER,SMT 1206,47uF,6.3V<br>MATL<br>Taiyo Yuden                       | C45, C58<br>JMK316BJ476ML-T  |
| 127  | 11<br>each  | 101694-0470R<br>C1206-40X70     | PS          | CAP,CER,SMT 1206,4.7uF,16V,X5R<br>MATL<br>Kemet Electronics Corporation | C10, C11, C12, C18,<br>C20, C230, C28, C31,<br>C86, C87, C96<br>C1206C475K4PAC   |
| 128  | 12<br>each  | 101064-0221R<br>C1206-40X70     | PS          | CAP,CER,SMT 1206,22uF,10V<br>MATL<br>Taiyo Yuden                        | C162, C217, C22, C23,<br>C30, C35, C39, C41,<br>C43, C50, C57, C98<br>LMK316F226ZL-T   |

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| 129  | 15<br>each  | 101497-0101R  | PS          | CAP,CER,SMT 1206,10uF,6.3V<br>MATL             | C100, C105, C106,<br>C155, C159, C279, C37,<br>C420, C421, C428,<br>C429, C430, C431, C83,<br>C99  |
|      |             | C1206-40X70   |             | Taiyo Yuden                                    | JMK316B7106ML-T  |
| 135  | 3<br>each   | 100993-6803R  | PS          | CAP,CER,SMT 0603,680pF,50V,+/-10%,X7R<br>MATL  | C312, C341, C363   |
|      |             | c603-35x45    |             | AVX Corporation                                | 06035C681KAT2A   |
| 136  | 1<br>each   | 100993-1472R  | PS          | CAP,CER,SMT 0603,4700pF,50V,+/-10%,X7R<br>MATL | C72  |
|      |             | c603-35x45    |             | AVX Corporation                                | 06035C472KAT2A   |
| 137  | 3<br>each   | 101637-1334R  | PS          | CAP,CER,SMT 0603,33pF,100V,+/-5%,NPO<br>MATL   | C111, C367, C368   |
|      |             | c603-35x45    |             | Panasonic                                      | ECJ-1VC2A330J  |
| 140  | 6<br>each   | 100993-3303R  | PS          | CAP,CER,SMT 0603,330pF,50V,+/-10%,X7R<br>MATL  | C316, C317, C337,<br>C351, C354, C370  |
|      |             | c603-35x45    |             | AVX Corporation                                | 06035C331KAT2A   |
| 141  | 5<br>each   | 101103-1274R  | PS          | CAP,CER,SMT 0603,27pF,50V,+/-5%,NPO<br>MATL    | C32, C352, C353, C52,<br>C53   |
|      |             | c603-35x45    |             | Panasonic                                      | ECJ-1VC1H270J  |
| 142  | 2<br>each   | 100993-1273R  | PS          | CAP,CER,SMT 0603,270pF,50V,+/-10%,X7R<br>MATL  | C101, C102   |
|      |             | c603-35x45    |             | AVX Corporation                                | 06035C271KAT2A   |
| 145  | 1<br>each   | 101002-1224R  | PS          | CAP,CER,SMT 0603,22pF,50V,+/-5%,NPO<br>MATL    | C175   |
|      |             | c603-35x45    |             | Panasonic                                      | ECJ-1VC1H220J  |
| 146  | 3<br>each   | 100993-1223R  | PS          | CAP,CER,SMT 0603,220pF,50V,+/-10%,X7R<br>MATL  | C122, C128, C137   |
|      |             | c603-35x45    |             | AVX Corporation                                | 06035C221KAT2A   |
| 147  | 23<br>each  | 101007-0220R  | PS          | CAP,CER,SMT 0603,2.2uF,6.3V,X5R,+/-10%<br>MATL | C103, C156, C164,<br>C182, C183, C191,<br>C192, C194, C212,<br>C214, C24, C25, C26,<br>C313, C314, C315,<br>C324, C334, C348,<br>C359, C419, C422, C61 |
|      |             | c603-35x45    |             | Panasonic                                      | ECJ-1VB0J225K  |

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|      |             | ION Footprint |             | Mfr Name   | Mfr P/N   |
| 148  | 29<br>each  | 101007-0100R  | PS          | CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10%<br>MATL     | C127, C130, C131,<br>C132, C133, C154,<br>C157, C160, C169,<br>C170, C171, C172,<br>C173, C187, C190,<br>C208, C231, C309,<br>C318, C327, C33, C333,<br>C34, C343, C4, C46,<br>C51, C54, C7 |
|      |             | c603-35x45    |             | Panasonic  | ECJ-1VB0J105K   |
| 149  | 1<br>each   | 100993-1203R  | PS          | CAP,CER,SMT 0603,120pF,50V,+/-10%,X7R<br>MATL    | C42   |
|      |             | c603-35x45    |             | AVX Corporation                                  | 06035C121KAT2A  |
| 152  | 8<br>each   | 101001-1104R  | PS          | CAP,CER,SMT 0603,10pF,50V,+/- .5pF,NPO<br>MATL   | C118, C119, C123,<br>C124, C220, C221,<br>C417, C418  |
|      |             | c603-35x45    |             | Panasonic  | ECJ-1VC1H100D   |
| 153  | 8<br>each   | 100993-1103R  | PS          | CAP,CER,SMT 0603,100pF,50V,+/-10%,X7R<br>MATL    | C377, C378, C379,<br>C386, C405, C409,<br>C411, C412  |
|      |             | c603-35x45    |             | AVX Corporation                                  | 06035C101KAT2A  |
| 154  | 1<br>each   | 101005-1220R  | PS          | CAP,CER,SMT 0603,.22uF,10V,+/-10%,X5R<br>MATL    | C219  |
|      |             | c603-35x45    |             | Panasonic  | ECJ-1VB1A224K   |
| 155  | 1<br>each   | 100994-1100R  | PS          | CAP,CER,SMT 0603,.1uF,16V,+/-10%,X7R<br>MATL     | C177  |
|      |             | c603-35x45    |             | Kemet Electronics<br>Corporation                 | C0603C104K4RAC  |
| 156  | 1<br>each   | 100994-1471R  | PS          | CAP,CER,SMT 0603,.047uF,16V,+/-10%,X7R<br>MATL   | C408  |
|      |             | c603-35x45    |             | Panasonic  | ECJ-1VB1C473K   |
| 160  | 2<br>each   | 101587-5601R  | PS          | CAP,CER,SMT 0402,560pF,25V,+/-10%,X7R<br>MATL    | C250, C299  |
|      |             | c402-25       |             | Kemet Electronics<br>Corporation                 | C0402C561K5RAC  |
| 161  | 3<br>each   | 101782-1565R  | PS          | CAP,CER,SMT 0402,5.6pF,50V,+/- .25pF,NPO<br>MATL | C376, C424, C82   |
|      |             | c402-25       |             | Murata Electronics                               | GJM1555C1H5R6CB01D  |
| 162  | 2<br>each   | 101782-1224R  | PS          | CAP,CER,SMT 0402,22pF,50V,+/-5%,NPO<br>MATL      | C222, C223  |
|      |             | c402-25       |             | Kemet Electronics<br>Corporation                 | C0402C220J5GACTU  |



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|            |                    | ION Footprint       |             |  |   |
|            |                    |                     |             | Mfr Name   | Mfr P/N   |
| <b>163</b> | <b>160</b><br>each | <b>101587-1100R</b> | PS          | <b>CAP,CER,SMT 0402, .1uF,10V,+/-10%,X5R</b><br>MATL | C120, C125, C126,<br>C129, C134, C138,<br>C139, C140, C141,<br>C143, C144, C145,<br>C146, C147, C148,<br>C149, C150, C151,<br>C153, C16, C161, C165,<br>C166, C17, C180, C181,<br>C184, C185, C186,<br>C189, C19, C195, C196,<br>C197, C201, C202,<br>C205, C206, C21, C211,<br>C213, C227, C238,<br>C239, C240, C241,<br>C242, C243, C244,<br>C245, C246, C247,<br>C249, C251, C254,<br>C257, C261, C264,<br>C266, C273, C274,<br>C275, C277, C280,<br>C297, C298, C300,<br>C301, C307, C310,<br>C319, C320, C321,<br>C322, C323, C328,<br>C330, C331, C332,<br>C335, C338, C339,<br>C340, C342, C344,<br>C345, C346, C349,<br>C350, C355, C356,<br>C357, C358, C360,<br>C361, C362, C364,<br>C365, C366, C369,<br>C371, C372, C373,<br>C374, C38, C381, C382,<br>C383, C384, C385,<br>C387, C388, C389,<br>C390, C391, C392,<br>C393, C394, C395,<br>C396, C397, C398,<br>C399, C40, C400, C401,<br>C402, C403, C404,<br>C406, C407, C410,<br>C414, C415, C416,<br>C426, C427, C47, C48,<br>C55, C56, C60, C63,<br>C64, C65, C66, C67,<br>C69, C70, C71, C73,<br>C74, C76, C8, C9, C91,<br>C92, C93, C94, C97 |
|            |                    |                     | c402-25     | Kemet Electronics<br>Corporation                     | C0402C104K8PACTU  |

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| ION Footprint |                   |                     |                                  |   |   |
|               |                   |                     | Mfr Name                         |   | Mfr P/N   |
| <b>165</b>    | <b>70</b><br>each | <b>101587-1101R</b> | PS                               | <b>CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R</b><br>MATL  | C109, C113, C116,<br>C167, C168, C188,<br>C193, C198, C199,<br>C200, C203, C207,<br>C209, C215, C216,<br>C218, C224, C225,<br>C226, C228, C229,<br>C232, C233, C234,<br>C235, C236, C237,<br>C248, C252, C253,<br>C255, C256, C258,<br>C260, C262, C263,<br>C265, C267, C268,<br>C269, C270, C271,<br>C272, C276, C281,<br>C282, C283, C284,<br>C285, C286, C287,<br>C288, C289, C290,<br>C291, C292, C293,<br>C294, C295, C296,<br>C302, C303, C304,<br>C305, C306, C329,<br>C347, C36, C77, C95 |
|               |                   | c402-25             | Kemet Electronics<br>Corporation |   | C0402C103K4RAC  |
| <b>168</b>    | <b>7</b><br>each  | <b>102058-1102R</b> | PS                               | <b>CAP,CER,SMT 0402,.001uF,50V,+/-10%,X7R</b><br>MATL | C117, C204, C210,<br>C375, C423, C44, C84   |
|               |                   | c402-25             | Kemet Electronics<br>Corporation |   | C0402C102K5RAC  |
| <b>180</b>    | <b>4</b><br>each  | <b>101069-2200R</b> | PS                               | <b>RES,NETWORK,SMT,16 PIN,8 RES,22</b><br>MATL        | RN29, RN32, RN7, RN8  |
|               |                   | rpak16-10x25-2hv    | Panasonic                        |   | EXB-2HV220JV  |
| <b>181</b>    | <b>6</b><br>each  | <b>101069-3300R</b> | PS                               | <b>RES,NETWORK,SMT,16 PIN,8 RES,33</b><br>MATL        | RN17, RN23, RN25,<br>RN33, RN34, RN4  |
|               |                   | rpak16-10x25-2hv    | Panasonic                        |   | EXB-2HV330JV  |
| <b>182</b>    | <b>1</b><br>each  | <b>101327-1003R</b> | PS                               | <b>RES,NETWORK,SMT,8 PIN,4 RES,10K</b><br>MATL        | RN24  |
|               |                   | rpak8-10x25-28v     | Panasonic                        |   | EXB-28V103JX  |
| <b>183</b>    | <b>22</b><br>each | <b>101327-3300R</b> | PS                               | <b>RES,NETWORK,SMT,8 PIN,4 RES,33</b><br>MATL         | RN1, RN10, RN11,<br>RN12, RN13, RN14,<br>RN15, RN16, RN18,<br>RN19, RN2, RN20,<br>RN21, RN22, RN26,<br>RN27, RN28, RN3,<br>RN30, RN31, RN5, RN6   |
|               |                   | rpak8-10x25-28v     | Panasonic                        |   | EXB-28V330JX  |
| <b>184</b>    | <b>1</b><br>each  | <b>101327-2200R</b> | PS                               | <b>RES,NETWORK,SMT,8 PIN,4 RES,22</b><br>MATL         | RN9   |
|               |                   | rpak8-10x25-28v     | Panasonic                        |   | EXB-28V220JX  |

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|      |             | ION Footprint |             | Mfr Name                                  | Mfr P/N  |
| 190  | 74<br>each  | 101370-0001R  | PS          | RES,SMT 0402,0 OHM,1/16 WATT<br>MATL      | R303, R314, R317,<br>R318, R321, R322,<br>R331, R337, R345,<br>R376, R378, R379,<br>R389, R391, R412,<br>R419, R421, R422,<br>R423, R424, R425,<br>R426, R430, R433,<br>R435, R437, R449,<br>R453, R455, R466,<br>R468, R470, R477,<br>R478, R479, R480,<br>R483, R506, R507,<br>R512, R513, R514,<br>R515, R516, R517,<br>R518, R519, R520,<br>R521, R522, R523,<br>R524, R69, R8, R97,<br>R110, R144, R164,<br>R177, R198, R219,<br>R235, R268, R272,<br>R273, R274, R291,<br>R296, R30, R462, R529,<br>R530, R531, R420 |
|      |             | r402-25       |             | Yageo                                     | RC0402JR-070RL   |
| 191  | 17<br>each  | 101370-1502R  | PS          | RES,SMT 0402,1.5K,5%,1/16 WATT<br>MATL    | R403, R405, R407,<br>R416, R417, R418,<br>R428, R429, R431,<br>R436, R438, R439,<br>R441, R442, R443,<br>R448, R467  |
|      |             | r402-25       |             | Yageo                                     | RC0402JR-071K5L  |
| 192  | 10<br>each  | 101370-1000R  | PS          | RES,SMT 0402,10 OHM,5%,1/16 WATT<br>MATL  | R11, R13, R19, R23,<br>R27, R277, R278, R32,<br>R71, R72   |
|      |             | r402-25       |             | Yageo                                     | RC0402JR-0710RL  |
| 193  | 5<br>each   | 101370-1001R  | PS          | RES,SMT 0402,100 OHM,5%,1/16 WATT<br>MATL | R151, R432, R463, R64,<br>R65  |
|      |             | r402-25       |             | Yageo                                     | RC0402JR-07100RL   |
| 194  | 11<br>each  | 101370-1004R  | PS          | RES,SMT 0402,100K,5%,1/16 WATT<br>MATL    | R109, R128, R162,<br>R316, R444, R446,<br>R447, R454, R58, R525,<br>R526   |
|      |             | r402-25       |             | Yageo                                     | RC0402JR-07100KL   |

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|      |             | ION Footprint |             | Mfr Name                                   | Mfr P/N  |
| 195  | 84<br>each  | 101370-1003R  | PS          | RES,SMT 0402,10K,5%,1/16 WATT<br>MATL      | R1, R114, R115, R116,<br>R117, R130, R131, R14,<br>R143, R149, R157,<br>R161, R17, R175, R176,<br>R178, R186, R188,<br>R197, R211, R213,<br>R215, R217, R220,<br>R222, R223, R224,<br>R243, R244, R245,<br>R246, R247, R248,<br>R249, R25, R250, R251,<br>R253, R255, R26, R266,<br>R267, R295, R298,<br>R301, R326, R364,<br>R367, R375, R377,<br>R380, R390, R392,<br>R402, R413, R414,<br>R415, R445, R460,<br>R472, R473, R481,<br>R484, R487, R488,<br>R490, R492, R494,<br>R497, R503, R504,<br>R505, R510, R59, R60,<br>R7, R368, R369, R370,<br>R371, R372, R373, R16,<br>R257 |
|      |             | r402-25       |             | Yageo                                      | RC0402JR-0710KL  |
| 196  | 10<br>each  | 101370-1002R  | PS          | RES,SMT 0402,1K,5%,1/16 WATT<br>MATL       | R489, R491, R502,<br>R396, R397, R398,<br>R399, R400, R401, R171   |
|      |             | r402-25       |             | Yageo                                      | RC0402JR-0711KL  |
| 197  | 1<br>each   | 101370-1005R  | PS          | RES,SMT 0402,1M,5%,1/16 WATT<br>MATL       | R459   |
|      |             | r402-25       |             | Yageo                                      | RC0402JR-0711ML  |
| 198  | 16<br>each  | 101370-2202R  | PS          | RES,SMT 0402,2.2K OHM,5%,1/16 WATT<br>MATL | R111, R150, R158,<br>R159, R181, R184,<br>R269, R270, R346,<br>R347, R348, R349,<br>R350, R351, R469, R102   |
|      |             | r402-25       |             | Yageo                                      | RC0402JR-072K2L  |
| 200  | 13<br>each  | 101370-2003R  | PS          | RES,SMT 0402,20K,5%,1/16 WATT<br>MATL      | R12, R129, R200, R218,<br>R225, R227, R358,<br>R359, R360, R361,<br>R362, R363, R471   |
|      |             | r402-25       |             | Panasonic                                  | ERJ-2GEJ203X   |
| 202  | 15<br>each  | 101370-2200R  | PS          | RES,SMT 0402,22 OHM,5%,1/16 WATT<br>MATL   | R112, R113, R18, R209,<br>R210, R280, R282,<br>R284, R299, R302,<br>R344, R82, R84, R527,<br>R528  |
|      |             | r402-25       |             | Yageo                                      | RC0402JR-0722RL  |

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|      |             | ION Footprint |             | Mfr Name                                    | Mfr P/N   |
| 203  | 5<br>each   | 101370-2201R  | PS          | RES,SMT 0402,220 OHM,5%,1/16 WATT<br>MATL   | R189, R456, R457,<br>R458, R464   |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-07220RL  |
| 204  | 4<br>each   | 101370-2002R  | PS          | RES,SMT 0402,2K,5%,1/16 WATT<br>MATL        | R233, R265, R365, R96   |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-072KL  |
| 205  | 34<br>each  | 101370-3300R  | PS          | RES,SMT 0402,33 OHM,5%,1/16 WATT<br>MATL    | R132, R134, R135,<br>R136, R137, R138,<br>R140, R142, R145,<br>R148, R160, R165,<br>R166, R167, R168,<br>R169, R170, R22, R221,<br>R275, R276, R279,<br>R327, R330, R332, R62,<br>R70, R73, R74, R76,<br>R79, R81, R91, R93 |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-0733RL   |
| 206  | 13<br>each  | 101370-3301R  | PS          | RES,SMT 0402,330 OHM,5%,1/16 WATT<br>MATL   | R152, R172, R174,<br>R193, R194, R381,<br>R382, R383, R384,<br>R385, R386, R387, R388   |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-07330RL  |
| 208  | 8<br>each   | 101370-3601R  | PS          | RES,SMT 0402,360 OHM,5%,1/16 WATT<br>MATL   | R228, R236, R238,<br>R239, R262, R286,<br>R328, R47   |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-07360RL  |
| 209  | 2<br>each   | 101370-4702R  | PS          | RES,SMT 0402,4.7K OHM,5%,1/16 WATT<br>MATL  | R343, R374  |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-074K7L   |
| 210  | 2<br>each   | 101370-4703R  | PS          | RES,SMT 0402,47K OHM,5%,1/16 WATT<br>MATL   | R163, R173  |
|      |             | r402-25       |             | Yageo                                       | RC0402JR-0747KL   |
| 220  | 2<br>each   | 102145-1000R  | PS          | RES,SMT 0402,10 OHM,1%,1/16 WATT<br>MATL    | R214, R237  |
|      |             | r402-25       |             | Yageo                                       | RC0402FR-0710RL   |
| 221  | 1<br>each   | 102145-1304R  | PS          | RES,SMT 0402,130K OHM,1%,1/16 WATT<br>MATL  | R29   |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF1303X   |
| 223  | 14<br>each  | 102145-1002R  | PS          | RES,SMT 0402,1K,1%,1/16 WATT<br>MATL        | R283, R287, R292,<br>R293, R300, R304,<br>R311, R315, R77, R78,<br>R80, R83, R87, R89   |
|      |             | r402-25       |             | Yageo                                       | RC0402FR-071KL  |
| 225  | 1<br>each   | 102145-3013R  | PS          | RES,SMT 0402,30.1K OHM,1%,1/16 WATT<br>MATL | R187  |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF3012X   |

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|      |             | ION Footprint |             | Mfr Name                                    | Mfr P/N                                  |
| 230  | 1<br>each   | 102145-3924R  | PS          | RES,SMT 0402,392K,1%,1/16 WATT<br>MATL      | R33                                      |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF3923X                            |
| 232  | 1<br>each   | 102145-4991R  | PS          | RES,SMT 0402,499 OHM,1%,1/16 WATT<br>MATL   | R24                                      |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF4990X                            |
| 233  | 1<br>each   | 102145-5103R  | PS          | RES,SMT 0402,51K OHM,1%,1/16 WATT<br>MATL   | R185                                     |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF5102X                            |
| 234  | 1<br>each   | 100642-5604R  | PS          | RES,SMT 0603,560K OHM,1%,1/16 WATT<br>MATL  | R232                                     |
|      |             | r603-35x45    |             | Panasonic                                   | ERJ-3EKF5603V                            |
| 235  | 1<br>each   | 102145-7503R  | PS          | RES,SMT 0402,75K OHM,1%,1/16 WATT<br>MATL   | R28                                      |
|      |             | r402-25       |             | Panasonic                                   | ERJ-2RKF7502X                            |
| 236  | 1<br>each   | 100642-8253R  | PS          | RES,SMT 0603,82.5K OHM,1%,1/16 WATT<br>MATL | R51                                      |
|      |             | r603-35x45    |             | Panasonic                                   | ERJ-3EKF8252V                            |
| 250  | 7<br>each   | 100687-0001R  | PS          | RES,SMT 0603,0 OHM,1/16 WATT<br>MATL        | R120, R338, R339,<br>R340, R38, R39, R40 |
|      |             | r603-35X45    |             | Panasonic                                   | ERJ-3GEY0R00V                            |
| 251  | 2<br>each   | 100687-1001R  | PS          | RES,SMT 0603,100 OHM,5%,1/16 WATT<br>MATL   | R107, R108                               |
|      |             | r603-35X45    |             | Panasonic                                   | ERJ-3GEYJ101V                            |
| 252  | 4<br>each   | 100687-1503R  | PS          | RES,SMT 0603,15K OHM,5%,1/16 WATT<br>MATL   | R404, R406, R410, R440                   |
|      |             | r603-35X45    |             | Yageo                                       | RC0603JR-0715KL                          |
| 253  | 1<br>each   | 100687-2200R  | PS          | RES,SMT 0603,22 OHM,5%,1/16 WATT<br>MATL    | R226                                     |
|      |             | r603-35X45    |             | Panasonic                                   | ERJ-3GEYJ220V                            |
| 254  | 1<br>each   | 100687-2005R  | PS          | RES,SMT 0603,2M OHM,5%,1/16 WATT<br>MATL    | R147                                     |
|      |             | r603-35X45    |             | Panasonic                                   | ERJ-3GEYJ205V                            |
| 255  | 1<br>each   | 101693-4990R  | PS          | RES,SMT 0603,49.9 OHM,.5%,1/16 WATT<br>MATL | R50                                      |
|      |             | r603-35X45    |             | Susumu Co., Ltd.                            | RR0816Q-49R9-D-68R                       |
| 256  | 4<br>each   | 100687-5602R  | PS          | RES,SMT 0603,5.6K OHM,5%,1/16 WATT<br>MATL  | R179, R180, R190, R191                   |
|      |             | r603-35x45    |             | Panasonic                                   | ERJ-3GEYJ562V                            |

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|      |             | ION Footprint |             | Mfr Name                                    | Mfr P/N  |
| 257  | 16<br>each  | 100687-5103R  | PS          | RES,SMT 0603,51K OHM,5%,1/16 WATT<br>MATL   | R281, R289, R294,<br>R305, R307, R309,<br>R312, R313, R319,<br>R323, R325, R333,<br>R336, R66, R67, R68<br>ERJ-3GEYJ513V |
|      |             | r603-35X45    |             | Panasonic                                   |  |
| 270  | 3<br>each   | 100642-1502R  | PS          | RES,SMT 0603,1.5K OHM,1%,1/16 WATT<br>MATL  | R212, R63, R86<br>ERJ-3EKF1501V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 271  | 1<br>each   | 100642-1003R  | PS          | RES,SMT 0603,10K OHM,1%,1/16 WATT<br>MATL   | R35<br>ERJ-3EKF1002V   |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 272  | 1<br>each   | 100642-2004R  | PS          | RES,SMT 0603,200K OHM,1%,1/16 WATT<br>MATL  | R36<br>ERJ-3EKF2003V   |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 273  | 3<br>each   | 100642-1583R  | PS          | RES,SMT 0603,15.8K OHM,1%,1/16 WATT<br>MATL | R119, R127, R508<br>ERJ-3EKF1582V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 274  | 1<br>each   | 100642-1804R  | PS          | RES,SMT 0603,180K OHM,1%,1/16 WATT<br>MATL  | R254<br>RC0603FR-07180KL   |
|      |             | r603-35x45    |             | Yageo                                       |  |
| 275  | 1<br>each   | 100642-2152R  | PS          | RES,SMT 0603,2.15K OHM,1%,1/16 WATT<br>MATL | R125<br>ERJ-3EKF2151V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 276  | 1<br>each   | 100642-2102R  | PS          | RES,SMT 0603,2.1K OHM,1%,1/16 WATT<br>MATL  | R126<br>ERJ-3EKF2101V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 277  | 2<br>each   | 100642-1373R  | PS          | RES,SMT 0603,13.7K OHM,1%,1/16 WATT<br>MATL | R52, R496<br>ERJ-3EKF1372V   |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 280  | 1<br>each   | 100642-2402R  | PS          | RES,SMT 0603,2.4K OHM,1%,1/16 WATT<br>MATL  | R290<br>RC0603FR-072K4L  |
|      |             | r603-35x45    |             | Yageo                                       |  |
| 285  | 1<br>each   | 100642-2214R  | PS          | RES,SMT 0603,221K OHM,1%,1/16 WATT<br>MATL  | R234<br>ERJ-3EKF2213V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 286  | 3<br>each   | 100642-2671R  | PS          | RES,SMT 0603,267 OHM,1%,1/16 WATT<br>MATL   | R353, R356, R357<br>ERJ-3EKF2670V  |
|      |             | r603-35x45    |             | Panasonic                                   |  |
| 287  | 3<br>each   | 100642-3302R  | PS          | RES,SMT 0603,3.3K OHM,1%,1/16 WATT<br>MATL  | R450, R451, R452<br>RC0603FR-073K3L  |
|      |             | r603-35x45    |             | Yageo                                       |  |

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|      |             | ION Footprint              |             | Mfr Name   | Mfr P/N  |
| 288  | 2<br>each   | 100642-3013R<br>r603-35x45 | PS          | RES,SMT 0603,30.1K OHM,1%,1/16 WATT<br>MATL<br>Panasonic | R118, R509<br>ERJ-3EKF3012V  |
| 289  | 1<br>each   | 100642-3324R<br>r603-35x45 | PS          | RES,SMT 0603,332K OHM,1%,1/16 WATT<br>MATL<br>Panasonic  | R256<br>ERJ-3EKF3323V  |
| 290  | 1<br>each   | 100642-3924R<br>r603-35x45 | PS          | RES,SMT 0603,392K OHM,1%,1/16 WATT<br>MATL<br>Yageo      | R37<br>RC0603FR-07392KL  |
| 296  | 1<br>each   | 100642-4754R<br>r603-35x45 | PS          | RES,SMT 0603,475K OHM,1%,1/16 WATT<br>MATL<br>Yageo      | R229<br>RC0603FR-07475KL   |
| 297  | 4<br>each   | 100642-4990R<br>r603-35x45 | PS          | RES,SMT 0603,49.9 OHM,1%,1/10 WATT<br>MATL<br>Panasonic  | R2, R3, R4, R5<br>ERJ-3EKF49R9V  |
| 300  | 1<br>each   | 100642-4993R<br>r603-35x45 | PS          | RES,SMT 0603,49.9K OHM,1%,1/16 WATT<br>MATL<br>Panasonic | R427<br>ERJ-3EKF4992V  |
| 301  | 1<br>each   | 100642-5624R<br>r603-35x45 | PS          | RES,SMT 0603,562K OHM,1%,1/16 WATT<br>MATL<br>Panasonic  | R139<br>ERJ-3EKF5623V  |
| 302  | 1<br>each   | 100642-6652R<br>r603-35x45 | PS          | RES,SMT 0603,6.65K OHM,1%,1/16 WATT<br>MATL<br>Panasonic | R196<br>ERJ-3EKF6651V  |
| 303  | 1<br>each   | 100642-6812R<br>r603-35x45 | PS          | RES,SMT 0603,6.81K OHM,1%,1/16 WATT<br>MATL<br>Panasonic | R90<br>ERJ-3EKF6811V   |
| 304  | 1<br>each   | 100642-6804R<br>r603-35x45 | PS          | RES,SMT 0603,680K OHM,1%,1/16 WATT<br>MATL<br>Panasonic  | R34<br>ERJ-3EKF6803V   |
| 305  | 12<br>each  | 100642-7500R<br>r603-35x45 | PS          | RES,SMT 0603,75 OHM,1%,1/16 WATT<br>MATL<br>Panasonic    | R100, R101, R105,<br>R106, R133, R141,<br>R146, R352, R56, R75,<br>R88, R99<br>ERJ-3EKF75R0V |
| 306  | 1<br>each   | 100642-8254R<br>r603-35x45 | PS          | RES,SMT 0603,825K OHM,1%,1/16 WATT<br>MATL<br>Panasonic  | R252<br>ERJ-3EKF8253V  |
| 307  | 1<br>each   | 100642-8203R<br>r603-35x45 | PS          | RES,SMT 0603,82K OHM,1%,1/16 WATT<br>MATL<br>Yageo       | R261<br>RC0603FR-0782KL  |



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|      |             | ION Footprint                        |             | Mfr Name   | Mfr P/N   |
| 309  | 1<br>each   | 100642-4023R<br><br>r603-35x45       | PS          | RES,SMT 0603,40.2K OHM,1%,1/16 WATT<br>MATL<br><br>Panasonic     | R231<br><br>ERJ-3EKF4022V   |
| 310  | 1<br>each   | 100642-7502R<br><br>r603-35x45       | PS          | RES,SMT 0603,7.5K OHM,1%,1/16 WATT<br>MATL<br><br>Panasonic      | R474<br><br>ERJ-3EKF7501V   |
| 311  | 4<br>each   | 100642-4992R<br><br>r603-35x45       | PS          | RES,SMT 0603,4.99K OHM,1%,1/16 WATT<br>MATL<br><br>Panasonic     | R121, R334, R476, R495<br><br>ERJ-3EKF4991V   |
| 312  | 1<br>each   | 100642-1002R<br><br>r603-35x45       | PS          | RES,SMT 0603,1K OHM,1%,1/16 WATT<br>MATL<br><br>Panasonic        | R475<br><br>ERJ-3EKF1001V   |
| 313  | 1<br>each   | 100642-2492R<br><br>r603-35x45       | PS          | RES,SMT 0603,2.49K OHM,1%,1/16 WATT<br>MATL<br><br>Panasonic     | R493<br><br>ERJ-3EKF2491V   |
| 315  | 3<br>each   | 100642-1004R<br><br>r603-35x45       | PS          | RES,SMT 0603,100K OHM,1%,1/16 WATT<br>MATL<br><br>Yageo          | R230, R48, R54<br><br>RC0603FR-07100KL  |
| 316  | 1<br>each   | 100642-4124R<br><br>r603-35x45       | PS          | RES,SMT 0603,412K OHM,1%,1/16 WATT<br>MATL<br><br>Yageo          | R49<br><br>RC0603FR-07412KL   |
| 320  | 18<br>each  | 102598-0002R<br><br>r1206-40x70      | PS          | RES,SMT 1206,.02 OHM,2%,1/2 WATT<br>MATL<br><br>Susumu Co., Ltd. | R103, R104, R240,<br>R241, R242, R31, R41,<br>R42, R43, R44, R45,<br>R46, R53, R57, R61,<br>R92, R94, R95<br>RL1632T-R020-G |
| 325  | 5<br>each   | 100155-0001R<br><br>r1206-40x70      | PS          | RES,SMT 1206,0 OHM,1/8 WATT<br>MATL<br><br>Yageo                 | PL1, PL2, PL3, PL4, PL5<br><br>RC1206JR-070RL   |
| 330  | 1<br>each   | 102786-0001R<br><br>spkr-ast-02308mr | PS<br>A     | SPEAKER,23mm DIA.,200mW<br>MATL<br><br>Projects Unlimited        | SPK1<br><br>AST-02308MR-R   |
| 339  | 1<br>each   | 101184-0002R<br><br>sw2-30x50-tda    | PS          | SWITCH,DIP,SMT,HALF-PITCH,2 POS.<br>MATL<br><br>C&K/Unimax, Inc. | SW23<br><br>TDA02H0SB1R   |
| 340  | 2<br>each   | 101184-0006R<br><br>SW6-30X50-TDA    | PS          | SWITCH,DIP,SMT,HALF-PITCH,6 POS.<br>MATL<br><br>C&K/Unimax, Inc. | SW4, SW5<br><br>TDA06H0SB1R   |

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|      |             | ION Footprint |             | Mfr Name                                      | Mfr P/N  |
| 341  | 19<br>each  | 101215-0001R  | PS          | SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm<br>MATL   | SW10, SW11, SW12,<br>SW13, SW14, SW15,<br>SW16, SW17, SW18,<br>SW19, SW2, SW20,<br>SW21, SW22, SW3,<br>SW6, SW7, SW8, SW9<br>SW-40X126-EVQP1<br>Panasonic<br>EVQ9P105M |
| 342  | 1<br>each   | 102181-0002R  | PS          | SWITCH,SMT,SLIDE,2 POSITION,GULL WING<br>MATL | SW1<br>sw6-40x67_gw<br>Copal Electronics<br>CAS-D20TB  |
| 350  | 1<br>each   | 100558-0009R  | PS          | CONN,DB9,MALE,RIGHT ANGLE,,318<br>MATL        | P1<br>CONN9D-6547-RT-M<br>PI Manufacturing Corp.<br>2100-009P  |
| 351  | 1<br>each   | 101833-0096R  | PS          | CONN,DIN,C96,MALE,STRAIGHT,TYPE R<br>MATL     | J10<br>conn96-6039-din-vmir<br>Hirose Electric, Inc.<br>PCN10-96P-2.54DSA(72)  |
| 352  | 1<br>each   | 102166-0001R  | PS          | CONN,JACK,RJ45,INTEGRATED MAGNETICS<br>MATL   | P2<br>conn8-rt-rj45-sh-halo<br>HALO Electronics, Inc.<br>HFJ11-2450E-L21RL   |
| 353  | 1<br>each   | 100677-0004R  | PS          | CONN,MINI-DIN,FEMALE,4 POS.<br>MATL           | J15<br>749181_1<br>Tyco Electronics<br>5749181-1   |
| 354  | 2<br>each   | 102540-0015R  | PS          | CONN,RCA,RIGHT ANGLE,BLUE<br>MATL             | J20, J9<br>rcajack-CUI-RCJ-01<br>CUI, Inc.<br>RCJ-015  |
| 356  | 2<br>each   | 102540-0016R  | PS          | CONN,RCA,RIGHT ANGLE,GREEN<br>MATL            | J17, J8<br>rcajack-CUI-RCJ-01<br>CUI, Inc.<br>RCJ-016  |
| 358  | 2<br>each   | 102540-0012R  | PS          | CONN,RCA,RIGHT ANGLE,RED<br>MATL              | J11, J21<br>rcajack-CUI-RCJ-01<br>CUI, Inc.<br>RCJ-012   |
| 359  | 2<br>each   | 102540-0014R  | PS          | CONN,RCA,RIGHT ANGLE,YELLOW<br>MATL           | J13, J16<br>rcajack-CUI-RCJ-01<br>CUI, Inc.<br>RCJ-014   |
| 360  | 1<br>each   | 101238-0001R  | PS          | CONN,SMT,JACK,RIGHT ANGLE,POWER,2.5mm<br>MATL | J7<br>PWR3-RASM712<br>Switchcraft<br>RASM712TRP15X   |
| 361  | 4<br>each   | 101012-0001R  | PS          | CONN,SMT,JACK,STEREO,4 POS.,3.6mm<br>MATL     | P3, P4, P5, P6<br>st_3500<br>Kycon, Inc.<br>STX-3500-4NTR  |
| 362  | 1<br>each   | 102787-0020R  | PS          | CONN,SMT,RECEPTACLE,20 POS.,.5mm<br>MATL      | J24<br>molex20-52745<br>Molex<br>52745-2097  |

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|      |             | ION Footprint                       |             | Mfr Name                                  | Mfr P/N   |
| 363  | 1<br>each   | 101956-0001R<br>samtrec-MUSB        | PS          | CONN,SMT,RECEPTACLE,5 POS,RIGHT<br>MATL   | J1<br>MUSB-05-S-AB-SM-A-K-T<br>R  |
| 364  | 1<br>each   | 102293-0001R<br>scdb1a              | PS          | CONN,SMT,RECEPTACLE,SD/MMC/MS<br>MATL     | J12<br>SCDB1C0105   |
| 365  | 1<br>each   | 102773-0001R<br>conn_fps009-2305-0  | PS          | CONN,SMT,RECEPTACLE,SECURE<br>MATL        | J25<br>FPS009-2305-0  |
| 366  | 3<br>each   | 100562-0015R<br>CONN2X15-29X110-SFM | PS          | CONN,SMT,VERTICAL,RECEPTACLE,15X2<br>MATL | J18, J19, J23<br>SFM-115-02-S-D-LC  |
| 367  | 1<br>each   | 100562-0030R<br>CONN2X30-29X110-SFM | PS          | CONN,SMT,VERTICAL,RECEPTACLE,30X2<br>MATL | J14<br>SFM-130-02-S-D-LC  |
| 368  | 1<br>each   | 100116-0005R<br>JUMP2X5-6040        | PL          | HEADER,5 X 2,VERTICAL,PIN<br>SUBA         | J22<br>2011-2X05G00SB/SN  |
| 381  | 21<br>each  | 100115-0002R<br>JUMP1X2-6040        | PL          | HEADER,2 X 1,VERTICAL,PIN<br>SUBA         | J6, T1, TP11, TP12,<br>TP13, TP14, TP15,<br>TP16, TP17, TP18,<br>TP19, TP22, TP23,<br>TP29, TP42, TP43,<br>TP44, TP45, TP9, J28,<br>JP2 |
| 382  | 2<br>each   | 100115-0003R<br>JUMP1X3-6040        | PL          | HEADER,3 X 1,VERTICAL,PIN<br>SUBA         | J26, J27  |
| 390  | 1<br>each   | 100116-0003R<br>JUMP2X3-6040        | PL          | HEADER,3 X 2,VERTICAL,PIN<br>SUBA         | J4  |
| 391  | 2<br>each   | 100116-0007R<br>JUMP2X7-6040        | PL          | HEADER,7 X 2,VERTICAL,PIN<br>SUBA         | J2, J3<br>2011-2X07G00SB/SN   |
| 392  | 1<br>each   | 100116-0009R<br>JUMP2X9-6040        | PL          | HEADER,9 X 2,VERTICAL,PIN<br>SUBA         | JP1   |
| 395  | 1<br>each   | 100116-0010R<br>JUMP2X10-6040       | PL          | HEADER,10 X 2,VERTICAL,PIN<br>SUBA        | J5  |

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|      |             | ION Footprint                   |             | Mfr Name                                   | Mfr P/N  |
| 400  | 1<br>each   | 100062-0001R<br>batthold-key106 | PS          | BATTERY HOLDER,.796 IN,1 CELL<br>MATL      | BHT1<br><br>Keystone Electronics Corp. 106   |
| 402  | 1<br>each   | 101606-0048R<br>skt-tsop48sm    | PS          | SOCKET,TSOP48,ZIF,DUAL HINGE<br>MATL       | XU28<br><br>Meritec 980020-48-P2-K   |
| 403  | 8<br>each   | 102239-0001R                    | PS          | BUMPER,ROUND,NON-SLIP, .375 X .235<br>MATL | <br><br>3M Electronic Products Division SJ61A2   |
| 405  | 3<br>each   | C0402-NOPOP<br>c402-25          | PS          | NP   | C325, C326, C336   |
| 406  | 6<br>each   | C0603-NOPOP<br>c603-35x45       | PS          | NP   | C135, C174, C176,<br>C179, C380, C413  |
| 410  | 60<br>each  | R0402-NOPOP<br>r402-25          | PS          | NP   | R85, R98, R122, R123,<br>R124, R153, R154,<br>R155, R156, R15, R182,<br>R183, R192, R195, R20,<br>R201, R202, R203,<br>R204, R205, R206,<br>R207, R208, R21, R216,<br>R258, R259, R263,<br>R264, R271, R285,<br>R288, R297, R306,<br>R308, R310, R320,<br>R324, R329, R335,<br>R342, R354, R355,<br>R366, R393, R394,<br>R395, R434, R482,<br>R485, R498, R501,<br>R511, R6, R408, R409,<br>R499, R341, R260, R486 |
| 412  | 5<br>each   | R0603-NOPOP<br>r603-35X45       | PS          | NP   | R10, R411, R9, R55,<br>R500  |
| 415  | 1<br>each   | R2512-NOPOP<br>R2512            | PS          | NP   | R199   |

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|            |             | ION Footprint |             |                 |   |
|            |             |               |             | Mfr Name        | Mfr P/N   |
| <b>420</b> | <b>55</b>   | <b>NO-POP</b> | PS          | NP              | D7, L87, L89, Q3, Q11,<br>TP1, TP10, TP2, TP20,<br>TP21, TP24, TP26,<br>TP27, TP30, TP31,<br>TP32, TP33, TP34,<br>TP35, TP36, TP37,<br>TP38, TP39, TP40,<br>TP41, TP46, TP47,<br>TP48, TP49, TP5, TP50,<br>TP51, TP52, TP53,<br>TP54, TP55, TP56,<br>TP57, TP58, TP59, TP6,<br>TP60, TP61, TP62,<br>TP63, TP64, TP65,<br>TP66, TP67, TP68,<br>TP69, TP7, TP70, TP71,<br>TP8 |
|            | each        |               |             |                 |   |