

| PART NUMBER    | PART DESCRIPTION           | QPA | REFERENCE DESIGNATOR                                       | MPN                |
|----------------|----------------------------|-----|------------------------------------------------------------|--------------------|
| 124-01426-0397 | RF SWITCH                  | 3   | U10, U12, U16                                              | SW-397TR           |
| 124-10109-0000 | RF SWITCH                  | 3   | U5, U9, U11                                                | UPG152TA-E3        |
| 127-03737-0002 | RF MIXER                   | 1   | U20                                                        | SLM-190S           |
| 129-10107-0916 | RF TRANSISTOR              | 1   | U14                                                        | MRFIC0916          |
| 138-06542-0010 | ISOLATOR                   | 1   | U4                                                         | CE0731R88DCB001    |
| 160-01261-1664 | NPN TRANSISTOR             | 2   | Q28, Q62                                                   | 2SD1664            |
| 160-04187-0002 | SWITCHING TRANSISTOR       | 1   | Q56                                                        | UMH6NTR            |
| 160-04193-0000 | NPN TRANSISTOR             | 4   | Q17, Q19, Q37, Q70                                         | 2SC4617TLQ         |
| 160-04194-0000 | SWITCHING TRANSISTOR       | 2   | Q3, Q14                                                    | 2SA1774TLQ         |
| 160-08032-0025 | SWITCHING TRANSISTOR       | 12  | Q11, Q18, Q21, Q33, Q34, Q36, Q39, Q45, Q46, Q47, Q64, Q68 | DTC124EETL         |
| 160-08032-0026 | SWITCHING TRANSISTOR       | 7   | Q32, Q38, Q41, Q42, Q43, Q60, Q66                          | UMC4NTR            |
| 160-08032-0027 | SWITCHING TRANSISTOR       | 1   | Q27                                                        | DTC144EE           |
| 160-08032-0035 | SWITCHING TRANSISTOR       | 5   | Q1, Q4, Q5, Q26,                                           | UMC5NTR            |
| 160-08166-0004 | SWITCHING TRANSISTOR       | 3   | Q9-Q10, Q52                                                | UMT1N              |
| 160-08212-0003 | SWITCHING TRANSISTOR       | 1   | Q25                                                        | UMG2N              |
| 160-08212-0006 | SWITCHING TRANSISTOR       | 1   | Q20                                                        | UMG4N              |
| 160-08212-0114 | SWITCHING TRANSISTOR       | 1   | Q58                                                        | UMD3N              |
| 160-10034-0000 | RF TRANSISTOR              | 4   | Q2, Q13, Q23, Q24                                          | BFP420             |
| 160-10034-0001 | RF TRANSISTOR              | 1   | Q8                                                         | BFP450             |
| 160-10106-0340 | RF TRANSISTOR              | 1   | Q7                                                         | NE34018-T1         |
| 160-10151-4986 | SWITCHING TRANSISTOR       | 1   | Q29                                                        | RN4986             |
| 161-03701-0000 | RF TRANSISTOR              | 1   | Q12                                                        | NE85619-T1         |
| 161-03751-0000 | RF TRANSISTOR              | 1   | Q15                                                        | NE68819            |
| 162-10000-2035 | SWITCHING FET              | 2   | Q22, Q30                                                   | 2SK2035TE85L       |
| 162-14002-0000 | SWITCHING FET              | 1   | Q35                                                        | 2SK1830TE85L       |
| 163-10052-6963 | SWITCHING FET              | 2   | Q6, Q54                                                    | SI6963DQ-T1        |
| 163-10100-2803 | SWITCHING FET              | 1   | Q48                                                        | IRLML2803          |
| 201-04198-4051 | MULTIPLEXER                | 1   | U32                                                        | TC74HC4051AFS-EL   |
| 220-03646-0004 | CMOS LOGIC IC              | 1   | U29                                                        | TC7SH04FU-TE85L    |
| 220-03825-0053 | CMOS LOGIC IC              | 1   | U34                                                        | TC4W53FUTE12L      |
| 220-03846-0000 | CMOS LOGIC IC              | 1   | U36                                                        | TC7S00FUTE85L      |
| 225-03607-0074 | CMOS LOGIC IC              | 1   | U25                                                        | TC7W74FU           |
| 270-10074-0000 | SRAM                       | 1   | U37                                                        | M5M5V208KV-12LL#WT |
| 272-14050-0001 | EEPROM                     | 1   | U44                                                        | AT24C128W-10SI2.7V |
| 281-03726-0033 | VOLTAGE REGULATOR          | 1   | U33                                                        | MIC5205-3.3BM5     |
| 281-03726-0040 | VOLTAGE REGULATOR          | 1   | U21                                                        | MIC5205-4.0BM5     |
| 281-04218-0000 | NEGATIVE VOLTAGE GENERATOR | 1   | U2                                                         | MAX850ESA          |
| 281-05824-03R3 | VOLTAGE REGULATOR          | 1   | U22                                                        | MIC5203-3.3BM4     |
| 281-05824-03R6 | VOLTAGE REGULATOR          | 2   | U23, U26                                                   | MIC5203-3.6BM4     |

|                |                               |   |             |                |
|----------------|-------------------------------|---|-------------|----------------|
| 124-10109-0000 | RF SWITCH                     | 3 | U5, U9, U11 | UPG152TA-E3    |
| 281-05824-04R5 | VOLTAGE REGULATOR             | 1 | U1          | MIC5203-4.5BM4 |
| 281-14060-0000 | SWITCHING REGULATOR           | 1 | U42         | LTC1436IGN-PLL |
| 281-17502-0000 | VOLTAGE REGULATOR             | 1 | U38         | TPS7233QDR     |
| 282-03691-0755 | OP AMP                        | 2 | U24, U28    | TC75S51F       |
| 284-11049-2336 | PLL IC                        | 1 | U19         | LMX2336TMX     |
| 285-10005-0000 | RF AMP AND MIXER IC           | 1 | U3          | SA611DK        |
| 287-03695-9802 | SWITCHING FET                 | 1 | Q50         | SI9802DY       |
| 288-02179-2712 | RF TRANSISTOR                 | 1 | U15         | UPC2712T       |
| 288-10046-0403 | POWER AMPLIFIER               | 1 | U6          | UN00403        |
| CD90-21884-3   | BASEBAND AUDIO INTERFACE ASIC | 1 | U27         | CD90-21884-3   |
| CD90-22110-1   | BASEBAND CONTROLLER ASIC      | 1 | U35         | CD90-22110-1   |
| CD90-24050-1   | TX AGC AMPLIFIER              | 1 | U18         | CD90-24050-1   |
| CD90-24056-1   | RX AGC AMPLIFIER              | 1 | U17         | CD90-24056-1   |
| CV90-39918-1   | RF MIXER                      | 1 | U7          | CV90-39918-1   |
| CV90-46147-2   | VCTCXO                        | 1 | U31         | CV90-46147-2   |
| CV90-66001-3   | POWER AMPLIFIER               | 1 | U62         | CV90-66001-3   |
| CV90-66107-1   | VCO, UHF DUALBAND             | 1 | U13         | CV90-66107-1   |

|                |                        |   |                |  |
|----------------|------------------------|---|----------------|--|
| 139-03718-0273 | Diode, 1SV273          | 4 | D1, D3, D5, D7 |  |
| 140-01263-0355 | Diode, 1SS355          | 3 | D6, D16, D22   |  |
| 140-06323-0017 | HSMS-2825-L30          | 1 | D4             |  |
| 140-08280-0221 | Diode, DA221           | 2 | D12, D18       |  |
| 140-08280-0222 | Diode, DAN222          | 3 | D10, D14, D20  |  |
| 140-10060-0000 | Diode, 1SS381          | 1 | D9             |  |
| 141-03858-0010 | Diode, UDZ_10B         | 1 | D2             |  |
| 141-03858-0062 | DIODE,ZENER 6.2V 200MW | 1 | D8             |  |



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## Revision History

| Rev | DCR   | Incorporated By         | Date  | Checker/Eng             | Date  | CM                      | Date  | Rel Date |
|-----|-------|-------------------------|-------|-------------------------|-------|-------------------------|-------|----------|
| -   | 36444 | -----                   | ----- | -----                   | ----- | -----                   | ----- | 05/22/98 |
| A   | 36584 | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | 05/29/98 |
| B   | 36969 | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | 06/12/98 |
| C   | 38222 | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | 07/17/98 |
| D   | 38742 | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | REQ'D SIGNATURE ON FILE |       | 08/05/98 |

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Cage: 1DN14

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6455 LUSK BOULEVARD  
SAN DIEGO, CA 92121  
(619)587-1121

# CAGE CODE 1DN14 PARTS LIST

DRAWING NUMBER  
PL20-46953-9

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CCA,MAIN,P13,DUAL BAND,2.3,STD

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| ITEM NO. | REFERENCE DESIGNATOR                                                                                                                                                                | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION            | CAGE  | PACKAGE | NOTES |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|---------------------------|---------------------------------------------|-------|---------|-------|
| 1        |                                                                                                                                                                                     | 1   | 25-46953-1     | 25-46953-1                | PWB,MAIN,TGP(PROTO 13)DUAL BAND             | 1DN14 |         |       |
| 50       | R218                                                                                                                                                                                | 1   | 100-01011-1200 | CRCW1206-121J             | RES,CHIP THICK FILM 120 5% 1/8W +/-200PPM/C | 91637 | 1206A   |       |
| 52       | R2, R21, R72, R103, R113, R217                                                                                                                                                      | 6   | 100-04006-0000 | MCR01MZSJX000             | RES,CHIP THICK FILM 0.0 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 54       | R151, R173, R232                                                                                                                                                                    | 3   | 100-04006-0100 | MCR01MZSJX100             | RES,CHIP THICK FILM 10 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 56       | R8, R22, R44, R59, R86, R90, R92, R98, R104, R116, R144, R167                                                                                                                       | 12  | 100-04006-0101 | MCR01MZSJX101             | RES,CHIP THICK FILM 100 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 58       | R3, R5, R40, R42, R45, R60, R61, R63, R68, R70, R77, R89, R91, R109, R111, R119, R193                                                                                               | 17  | 100-04006-0102 | MCR01MZSJX102             | RES,CHIP THICK FILM 1.0K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 60       | R49, R58, R62, R81, R85, R108, R125, R130, R133, R135, R139, R141, R143, R145, R146, R149, R160, R172, R185, R187, R190, R206, R209, R216, R223, R225, R231, R249, R251, R253, R255 | 31  | 100-04006-0103 | MCR01MZSJX103             | RES,CHIP THICK FILM 10K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 62       | R38, R166, R168, R171, R174, R214, R228, R230                                                                                                                                       | 8   | 100-04006-0104 | MCR01MZSJX104             | RES,CHIP THICK FILM 100K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 64       | R210                                                                                                                                                                                | 1   | 100-04006-0105 | MCR01MZSJX105             | RES,CHIP THICK FILM 1.0M 5% .063W +/-200PPM | 65940 | 0402    |       |
| 66       | R154, R158, R169                                                                                                                                                                    | 3   | 100-04006-0112 | MCR01MZSJX112             | RES,CHIP THICK FILM 1.1K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 68       | R19                                                                                                                                                                                 | 1   | 100-04006-0122 | MCR01MZSJX122             | RES,CHIP THICK FILM 1.2K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 70       | R1, R54                                                                                                                                                                             | 2   | 100-04006-0123 | MCR01MZSJX123             | RES,CHIP THICK FILM 12K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 72       | R162                                                                                                                                                                                | 1   | 100-04006-0124 | MCR01MZSJX124             | RES,CHIP THICK FILM 120K 5% .063W +/-200PPM | 65940 | 0402    |       |



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|----------|----------------------------------------------|-----|----------------|---------------------------|---------------------------------------------|-------|---------|-------|
| 74       | R56                                          | 1   | 100-04006-0133 | MCR01MZSJX133             | RES,CHIP THICK FILM 13K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 76       | R114                                         | 1   | 100-04006-0152 | MCR01MZSJX152             | RES,CHIP THICK FILM 1.5K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 78       | R25, R39, R74                                | 3   | 100-04006-0153 | MCR01MZSJX153             | RES,CHIP THICK FILM 15K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 80       | R188                                         | 1   | 100-04006-0164 | MCR01MZSJX164             | RES,CHIP THICK FILM 160K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 82       | R27, R93, R95, R99                           | 4   | 100-04006-0180 | MCR01MZSJX180             | RES,CHIP THICK FILM 18 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 84       | R71, R75                                     | 2   | 100-04006-0181 | MCR01MZSJX181             | RES,CHIP THICK FILM 180 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 86       | R110, R112, R147                             | 3   | 100-04006-0182 | MCR01MZSJX182             | RES,CHIP THICK FILM 1.8K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 88       | R7, R208, R212                               | 3   | 100-04006-0183 | MCR01MZSJX183             | RES,CHIP THICK FILM 18K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 90       | R6, R138                                     | 2   | 100-04006-0184 | MCR01MZSJX184             | RES,CHIP THICK FILM 180K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 92       | R30, R177, R189, R234                        | 4   | 100-04006-0201 | MCR01MZSJX201             | RES,CHIP THICK FILM 200 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 94       | R67, R175, R197                              | 3   | 100-04006-0202 | MCR01MZSJX202             | RES,CHIP THICK FILM 2K 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 96       | R73                                          | 1   | 100-04006-0203 | MCR01MZSJX203             | RES,CHIP THICK FILM 20K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 98       | R41, R82, R84, R88, R196, R204               | 6   | 100-04006-0220 | MCR01MZSJX220             | RES,CHIP THICK FILM 22 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 100      | R10, R165                                    | 2   | 100-04006-0221 | MCR01MZSJX221             | RES,CHIP THICK FILM 220 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 102      | R159, R205                                   | 2   | 100-04006-0222 | MCR01MZSJX222             | RES,CHIP THICK FILM 2.2K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 104      | R35, R52, R176, R178, R182, R194, R199, R229 | 8   | 100-04006-0223 | MCR01MZSJX223             | RES,CHIP THICK FILM 22K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 106      | R150                                         | 1   | 100-04006-0224 | MCR01MZSJX224             | RES,CHIP THICK FILM 220K 5% .063W +/-200PPM | 65940 | 0402    |       |



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|----------|----------------------------------------------------------|-----|----------------|---------------------------|---------------------------------------------|-------|---------|-------|
| 110      | R191                                                     | 1   | 100-04006-0272 | MCR01MZSJX272             | RES,CHIP THICK FILM 2.7K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 112      | R31, R76, R134, R140                                     | 4   | 100-04006-0273 | MCR01MZSJX273             | RES,CHIP THICK FILM 27K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 114      | R164, R170                                               | 2   | 100-04006-0274 | MCR01MZSJX274             | RES,CHIP THICK FILM 270K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 116      | R23, R29                                                 | 2   | 100-04006-0301 | MCR01MZSJX301             | RES,CHIP THICK FILM 300 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 118      | R65, R203, R213, R215, R219                              | 5   | 100-04006-0331 | MCR01MZSJX331             | RES,CHIP THICK FILM 330 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 120      | R50, R120, R181                                          | 3   | 100-04006-0332 | MCR01MZSJX332             | RES,CHIP THICK FILM 3.3K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 122      | R184, R192, R201                                         | 3   | 100-04006-0334 | MCR01MZSJX334             | RES,CHIP THICK FILM 330K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 124      | R69, R79, R101                                           | 3   | 100-04006-0390 | MCR01MZSJX390             | RES,CHIP THICK FILM 39 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 126      | R53, R129                                                | 2   | 100-04006-0391 | MCR01MZSJX391             | RES,CHIP THICK FILM 390 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 128      | R48, R107                                                | 2   | 100-04006-0392 | MCR01MZSJX392             | RES,CHIP THICK FILM 3.9K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 130      | R118, R142                                               | 2   | 100-04006-0393 | MCR01MZSJX393             | RES,CHIP THICK FILM 39K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 132      | R220                                                     | 1   | 100-04006-0394 | MCR01MZSJX394             | RES,CHIP THICK FILM 390K 5% .063W +/-200PPM | 65940 | 0402    |       |
| 134      | R156                                                     | 1   | 100-04006-0433 | MCR01MZSJX433             | RES,CHIP THICK FILM 43K 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 136      | R57                                                      | 1   | 100-04006-0470 | MCR01MZSJX470             | RES,CHIP THICK FILM 47 5% .063W +/-200PPM   | 65940 | 0402    |       |
| 138      | R28, R47, R136, R235, R237, R239, R241, R243, R245, R247 | 10  | 100-04006-0471 | MCR01MZSJX471             | RES,CHIP THICK FILM 470 5% .063W +/-200PPM  | 65940 | 0402    |       |
| 140      | R36, R43, R83, R131, R152, R179,                         | 11  | 100-04006-0472 | MCR01MZSJX472             | RES,CHIP THICK FILM 4.7K 5% .063W +/-200PPM | 65940 | 0402    |       |



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|----------|------------------------------|-----|----------------|---------------------------|----------------------------------------------|--------|---------|-------|
| 140      | R195, R207, R221, R227, R233 | 11  | 100-04006-0472 | MCR01MZSJX472             | RES,CHIP THICK FILM 4.7K 5% .063W +/-200PPM  | 65940  | 0402    |       |
| 142      | R124, R137, R153, R157       | 4   | 100-04006-0473 | MCR01MZSJX473             | RES,CHIP THICK FILM 47K 5% .063W +/-200PPM   | 65940  | 0402    |       |
| 144      | R34                          | 1   | 100-04006-04R7 | ERJ2GEJ4R7X               | RES,CHIP THICK FILM 4.7 5% .063W +/-200PPM   | PANSON | 0402    |       |
| 146      | R9, R17, R55                 | 3   | 100-04006-0510 | MCR01MZSJX510             | RES,CHIP THICK FILM 51 5% .063W +/-200PPM    | 65940  | 0402    |       |
| 148      | R94, R96, R97, R105          | 4   | 100-04006-0511 | MCR01MZSJX511             | RES,CHIP THICK FILM 510 5% .063W +/-200PPM   | 65940  | 0402    |       |
| 150      | R106                         | 1   | 100-04006-0561 | MCR01MZSJX561             | RES,CHIP THICK FILM 560 5% .063W +/-200PPM   | 65940  | 0402    |       |
| 152      | R198, R200                   | 2   | 100-04006-0564 | MCR01MZSJX564             | RES,CHIP THICK FILM 560K 5% .063W +/-200PPM  | 65940  | 0402    |       |
| 154      | R80                          | 1   | 100-04006-0680 | MCR01MZSJX680             | RES,CHIP THICK FILM 68 5% .063W +/-200PPM    | 65940  | 0402    |       |
| 156      | R226                         | 1   | 100-04006-0681 | MCR01MZSJX681             | RES,CHIP THICK FILM 680 5% .063W +/-200PPM   | 65940  | 0402    |       |
| 158      | R37, R78                     | 2   | 100-04006-0682 | MCR01MZSJX682             | RES,CHIP THICK FILM 6.8K 5% .063W +/-200PPM  | 65940  | 0402    |       |
| 160      | R11, R46, R102               | 3   | 100-04006-0820 | MCR01MZSJX820             | RES,CHIP THICK FILM 82 5% .063W +/-200PPM    | 65940  | 0402    |       |
| 162      | R4                           | 1   | 100-04006-0913 | MCR01MZSJX913             | RES,CHIP THICK FILM 91K 5% .063W +/-200PPM   | 65940  | 0402    |       |
| 164      | R18, R32, R51, R64, R236     | 5   | 100-08347-6000 | RM73B1J000J               | RES,CHIP THICK FILM ZERO 5% .063W +/-200PPM  | 09021  | 0603    |       |
| 165      | R12                          | 1   | 100-10001-1001 | MCR01MZSFW1001            | RES,CHIP THICK FILM 1.0K 1% 1/16W +/-200PPM  | 65940  | 0402    |       |
| 166      | R26                          | 1   | 100-10001-1101 | MCR01MZSFW1101            | RES,CHIP THICK FILM 1.1K 1% 1/16W +/-200PPM  | 65940  | 0402    |       |
| 168      | R127                         | 1   | 100-10001-1912 | MCR01MZSFW1912            | RES,CHIP THICK FILM 19.1K 1% 1/16W +/-200PPM | 65940  | 0402    |       |
| 170      | R128                         | 1   | 100-10001-2002 | MCR01MZSFW2002            | RES,CHIP THICK FILM 20K 1% 1/16W +/-200PPM   | 65940  | 0402    |       |



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| ITEM NO. | REFERENCE DESIGNATOR                                                                                                                                      | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION             | CAGE    | PACKAGE | NOTES |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|---------------------------|----------------------------------------------|---------|---------|-------|
| 172      | R14                                                                                                                                                       | 1   | 100-10001-2210 | RK73H1ETE2210F            | RES,CHIP THICK FILM 221 1% 1/16W +/-200PPM   | 09021   | 0402    |       |
| 174      | R16, R20, R122, R132                                                                                                                                      | 4   | 100-10001-2212 | MCR01MZSFW2212            | RES,CHIP THICK FILM 22.1K 1% 1/16W +/-200PPM | 65940   | 0402    |       |
| 176      | R155                                                                                                                                                      | 1   | 100-10001-3922 | MCR01MZSFW3922            | RES,CHIP THICK FILM 39.2K 1% 1/16W +/-200PPM | 65940   | 0402    |       |
| 178      | R186                                                                                                                                                      | 1   | 100-10111-R068 | RL1220-R068-J             | RES,THIN FILM .068 5% E-6 SERIES +/-350PPM/C | THNFILM | 1220    |       |
| 180      | C2                                                                                                                                                        | 1   | 105-01013-02R2 | 500R15N02R2CW2-T          | CAP,CHIP CERAMIC 2.2PF +/- .25PF COG/NPO 50V | 29454   | 0805A   |       |
| 182      | C249, C251                                                                                                                                                | 2   | 105-01073-69R0 | C0603C909C5GAC            | CAP,CHIP CERAMIC 9.0PF +/- .25PF COG/NPO 50V | 31433   | 0603    |       |
| 184      | C10                                                                                                                                                       | 1   | 105-01073-71R5 | GRM39COG1R5B050AL         | CAP,CHIP CERAMIC 1.5PF +/- .1PF COG/NP0 50V  | 51406   | 0603    |       |
| 186      | C6                                                                                                                                                        | 1   | 105-01073-73R3 | GRM39COG3R3B050AL         | CAP,CHIP CERAMIC 3.3PF +/- .1PF COG/NP0 50V  | 51406   | 0603    |       |
| 188      | C39, C54, C156, C204, C292, C298, C357, C359, C361                                                                                                        | 9   | 105-04012-0100 | C0402C100J3GAC            | CAP,CHIP CERAMIC 10PF 5% COG 25V             | 31433   | 0402    |       |
| 190      | C26, C41, C46, C59, C68, C76, C82, C110, C130, C158, C176, C177, C200, C211, C220, C226, C244, C246, C293, C296, C302, C311, C313, C333, C341, C342, C351 | 27  | 105-04012-0101 | C0402C101J3GAC            | CAP,CHIP CERAMIC 100PF 5% COG 25V            | 31433   | 0402    |       |
| 192      | C206                                                                                                                                                      | 1   | 105-04012-0110 | C1005COG1E110JT           | CAP,CHIP CERAMIC 11PF 5% COG 25V             | TDK     | 0402    |       |
| 194      | C88, C188, C218                                                                                                                                           | 3   | 105-04012-0120 | C1005COG1E120JT           | CAP,CHIP CERAMIC 12PF 5% COG 25V             | TDK     | 0402    |       |
| 196      | C84, C107, C227                                                                                                                                           | 3   | 105-04012-0150 | C0402C150J3GAC            | CAP,CHIP CERAMIC 15PF 5% COG 25V             | 31433   | 0402    |       |
| 198      | C262                                                                                                                                                      | 1   | 105-04012-0151 | C1005COG1E151JT           | CAP,CHIP CERAMIC 150PF 5% COG 25V            | TDK     | 0402    |       |



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| ITEM NO. | REFERENCE DESIGNATOR                                                                                                                                                                                                                                                                                          | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION    | CAGE  | PACKAGE | NOTES |
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| 200      | C1, C16, C19, C21, C23, C33, C36, C38, C50, C51, C52, C53, C63, C75, C77, C79, C87, C96, C97, C99, C102, C105, C106, C109, C113, C116, C119, C121, C124, C126, C133, C134, C135, C139, C142, C143, C145, C147, C152, C162, C164, C165, C166, C168, C169, C170, C175, C181, C196, C236, C240, C242, C254, C264 | 54  | 105-04012-0220 | C0402C220T3GAC            | CAP,CHIP CERAMIC 22PF 5% COG 25V    | 31433 | 0402    |       |
| 202      | C194                                                                                                                                                                                                                                                                                                          | 1   | 105-04012-0270 | C0402C270J3GAC            | CAP,CHIP CERAMIC 27PF 5% COG 25V    | 31433 | 0402    |       |
| 204      | C47, C120, C255, C257, C337, C348, C350                                                                                                                                                                                                                                                                       | 7   | 105-04012-0330 | C0402C330J3GACTR          | CAP,CHIP CERAMIC 33PF 5% COG 25V    | 31433 | 0402    |       |
| 206      | C259, C307, C309, C322, C339, C343, C345, C354, C367, C369                                                                                                                                                                                                                                                    | 10  | 105-04012-0470 | C0402C470J3GAC            | CAP,CHIP CERAMIC 47PF 5% COG 25V    | 31433 | 0402    |       |
| 208      | C312, C344, C346                                                                                                                                                                                                                                                                                              | 3   | 105-04012-0680 | C0402C680J3GAC            | CAP,CHIP CERAMIC 68PF 5% COG 25V    | 31433 | 0402    |       |
| 210      | C271                                                                                                                                                                                                                                                                                                          | 1   | 105-04012-0820 | C1005COG1E820JT           | CAP,CHIP CERAMIC 82PF 5% COG 25V    | TDK   | 0402    |       |
| 212      | C7, C15, C31, C34, C37, C40, C49, C61, C65, C73, C83, C86, C95, C101, C114, C118, C125, C155, C159, C167, C179, C185, C193, C203, C205, C208, C213, C215, C223, C224, C225, C233, C234, C239, C253, C256, C261, C265, C267, C270, C273, C281, C283, C285, C295, C297, C304                                    | 47  | 105-04013-0102 | C0402C102K3RAC            | CAP,CHIP CERAMIC 1000PF 10% X7R 25V | 31433 | 0402    |       |
| 214      | C149                                                                                                                                                                                                                                                                                                          | 1   | 105-04013-0152 | C0402C152K3RAC            | CAP,CHIP CERAMIC 1500PF 10% X7R 25V | 31433 | 0402    |       |



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| ITEM NO. | REFERENCE DESIGNATOR                                                                                                                                                                                                                                                                                         | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION         | CAGE  | PACKAGE | NOTES |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|---------------------------|------------------------------------------|-------|---------|-------|
| 216      | C98, C320                                                                                                                                                                                                                                                                                                    | 2   | 105-04013-0221 | C0402C221K3RAC7867        | CAP,CHIP CERAMIC 220PF 10% X7R 25V       | 31433 | 0402    |       |
| 218      | C91                                                                                                                                                                                                                                                                                                          | 1   | 105-04013-0271 | C0402C271K3RAC            | CAP,CHIP CERAMIC 270PF 10% X7R 25V       | 31433 | 0402    |       |
| 220      | C58, C70, C94, C178                                                                                                                                                                                                                                                                                          | 4   | 105-04013-0331 | C1005X7R1E331KT           | CAP,CHIP CERAMIC 330PF 10% X7R 25V       | TDK   | 0402    |       |
| 222      | C123, C237, C269                                                                                                                                                                                                                                                                                             | 3   | 105-04013-0471 | C0402C471K3RAC            | CAP,CHIP CERAMIC 470PF 10% X7R 25V       | 31433 | 0402    |       |
| 224      | C13, C29, C60, C69, C72, C74, C80, C90, C92, C93, C100, C108, C117, C132, C141, C144, C153, C157, C171, C183, C187, C190, C192, C195, C197, C201, C217, C219, C221, C235, C245, C250, C260, C275, C277, C278, C279, C287, C291, C300, C301, C303, C305, C321, C323, C328, C335, C347, C353, C355, C363, C365 | 52  | 105-04017-0103 | C0402C103K4RAC            | CAP,CHIP CERAMIC 10000PF 10% X7R 16V     | 31433 | 0402    |       |
| 226      | C55, C115                                                                                                                                                                                                                                                                                                    | 2   | 105-04019-0060 | CO4020C609D5GAC7867       | CAP,CHIP CERAMIC 6.0PF +/-0.5PF COG 50V  | 31433 | 0402    |       |
| 228      | C182, C212                                                                                                                                                                                                                                                                                                   | 2   | 105-04019-0070 | CO402C709D5GAC            | CAP,CHIP CERAMIC 7.0PF +/-0.5PF COG 50V  | 31433 | 0402    |       |
| 230      | C103, C202                                                                                                                                                                                                                                                                                                   | 2   | 105-04019-0090 | CO402C909D5GAC7867        | CAP,CHIP CERAMIC 9.0PF +/-0.5PF COG 50V  | 31433 | 0402    |       |
| 232      | C81, C136, C210                                                                                                                                                                                                                                                                                              | 3   | 105-04020-0010 | UMK105CG010CWF            | CAP,CHIP CERAMIC 1.0PF +/-0.25PF COG 50V | TAIYO | 0402    |       |
| 234      | C20, C25, C35, C128, C146, C151, C161, C198, C222, C228, C230, C238                                                                                                                                                                                                                                          | 12  | 105-04020-0020 | CO402C209C5GAC7867        | CAP,CHIP CERAMIC 2.0PF +/-0.25PF COG 50V | 31433 | 0402    |       |
| 236      | C184, C186, C214, C216                                                                                                                                                                                                                                                                                       | 4   | 105-04020-0027 | CO402C279C5GAC7867        | CAP,CHIP CERAMIC 2.7PF +/-0.25PF COG 50V | 31433 | 0402    |       |
| 238      | C12, C32, C189                                                                                                                                                                                                                                                                                               | 3   | 105-04020-0030 | CO402C309C5GAC7867        | CAP,CHIP CERAMIC 3.0PF +/-0.25PF COG 50V | 31433 | 0402    |       |



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| ITEM NO. | REFERENCE DESIGNATOR                                                                                                          | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION                  | CAGE  | PACKAGE | NOTES |
|----------|-------------------------------------------------------------------------------------------------------------------------------|-----|----------------|---------------------------|---------------------------------------------------|-------|---------|-------|
| 240      | C64, C104, C174, C232                                                                                                         | 4   | 105-04020-0040 | C0402C409C5GAC            | CAP,CHIP CERAMIC 4.0PF +/-0.25PF COG 50V          | 31433 | 0402    |       |
| 242      | C45, C111, C150, C229                                                                                                         | 4   | 105-04020-0050 | C0402C509C5GAC            | CAP,CHIP CERAMIC 5.0PF +/-0.25PF COG 50V          | 31433 | 0402    |       |
| 244      | C112, C148                                                                                                                    | 2   | 105-04020-00R5 | C0402C508C5GAC            | CAP,CHIP CERAMIC 0.5PF +/-0.25PF COG 50V          | 31433 | 0402    |       |
| 246      | C43, C71, C85, C129, C154                                                                                                     | 5   | 105-04020-01R5 | C0402C159C5GAC            | CAP,CHIP CERAMIC 1.5PF +/-0.25PF COG 50V          | 31433 | 0402    |       |
| 248      | C241                                                                                                                          | 1   | 105-04078-1684 | C3216X7R1C684K            | CAP,CHIP CERAMIC .68UF 10% X7R 16V                | TDK   | 1206    |       |
| 250      | C247, C330, C340                                                                                                              | 3   | 105-04079-6223 | C0603C223K4RAC7867        | CAP,CHIP CERAMIC .022UF 10% X7R 16V               | 31433 | 0603    |       |
| 252      | C67, C89, C180                                                                                                                | 3   | 105-04079-6333 | C0603C333K4RAC            | CAP,CHIP CERAMIC .033UF 10% X7R 16V               | 31433 | 0603    |       |
| 254      | C191, C207                                                                                                                    | 2   | 105-04079-6473 | C0603C473K4RAC7867        | CAP,CHIP CERAMIC .047UF 10% X7R 16V               | 31433 | 0603    |       |
| 256      | C286, C290, C316, C318                                                                                                        | 4   | 105-10068-0106 | LMK325BJ106MN-T           | CAP,CHIP CERAMIC 10UF +/-20% X7R 10V              | TAIYO | 1210    |       |
| 258      | C127, C263, C299                                                                                                              | 3   | 105-10069-0224 | C1608X5R1A224KT           | CAP,CHIP CERAMIC 0.22UF 10% X7R 10V               | TDK   | 0603    |       |
| 260      | C57, C66, C140                                                                                                                | 3   | 105-10153-0333 | C1005Y5V1C333Z            | CAP,CHIP CERAMIC .033UF +80/-20% Y5V 16V          | TDK   | 0402    |       |
| 262      | C243                                                                                                                          | 1   | 105-12024-0008 | C0603C809D5GAC            | CAP,CHIP MULTILAYER CER 8.0PF +/-0.5PF -330PPM 50 | 31433 | 0603    |       |
| 264      | C5, C9, C44, C137, C163, C173, C199, C272, C276, C280, C282, C289, C306, C308, C315, C317, C319, C325, C329, C331, C349, C371 | 22  | 105-14019-0104 | C0603C104K4RAC7867        | CAP,CHIP CERAMIC 0.1UF +/-10% 16V                 | 31433 | 0603    |       |
| 266      | C18, C22, C327                                                                                                                | 3   | 105-14021-0474 | EMK212BJ474KG-T           | CAP,CHIP CERAMIC 0.47UF +/-10% 16V                | TAIYO | 0805    |       |
| 268      | C334, C336, C338                                                                                                              | 3   | 105-14041-0470 | CKCA43X7R1H471M           | CAP,ARRAY 4X470PF 20% X7R 50V                     | TDK   | 1206    |       |



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|----------|---------------------------------------------------------|-----|----------------|---------------------------|-----------------------------------------------|-------|---------|-------|
| 270      | C3, C24, C131, C172, C209, C248, C252, C268, C294, C314 | 10  | 106-04036-4475 | T491A475M010AS            | CAP,CHIP TANT 4.7UF 20% 10V                   | 31433 | 3216    |       |
| 272      | C326                                                    | 1   | 106-05842-0335 | T491A335K016AS            | CAP,CHIP TANT 3.3UF 10% 16V                   | 31433 | 3216    |       |
| 274      | C14, C56                                                | 2   | 106-06257-0105 | T491A105K016AS            | CAP,CHIP TANT 1.0UF 10% 16V                   | 31433 | 3216    |       |
| 276      | C274                                                    | 1   | 106-09023-0336 | T491B336K006AS(T&R)       | CAP,CHIP TANT 33UF 10% 6.3V                   | 31433 | B       |       |
| 278      | C284                                                    | 1   | 106-09028-0336 | T491C336M016AS            | CAP,CHIP TANT 33UF 20% 16V                    | 31433 | C       |       |
| 280      | C324                                                    | 1   | 106-14028-0476 | T491C476K006AS            | CAP,CHIP TANT 47UF 10% 6.3V                   | 31433 | 6032    |       |
| 284      | L9, L29, L61                                            | 3   | 110-03602-0561 | 1008CS-561XJBC            | INDUCTOR,CHIP WW 560NH +/-5%                  | 02113 | 1008    |       |
| 286      | L53                                                     | 1   | 110-03680-0221 | 1008CS-221XGBC            | INDUCTOR,CHIP WW 220NH 2%                     | 02113 | 1008    |       |
| 288      | L5                                                      | 1   | 110-03680-0331 | 1008CS-331XGBC            | INDUCTOR,CHIP WW 330NH 2%                     | 02113 | 1008    |       |
| 290      | L41                                                     | 1   | 110-03680-0391 | 1008CS-391XGBC            | INDUCTOR,CHIP WW 390NH 2%                     | 02113 | 1008    |       |
| 292      | L75, L77, L79, L81                                      | 4   | 110-03728-01R8 | MLF1608A1R8KT             | INDUCTOR,CHIP SHIELD 1.8UH 10% Q=35 SRF=55MHZ | TDK   | 0603    |       |
| 294      | L87                                                     | 1   | 110-03759-0330 | 0805CS-330XGBC            | INDUCTOR,CHIP WW 33NH 2% Q=60MIN@500MHZ       | 02113 | 0805    |       |
| 296      | L100                                                    | 1   | 110-04176-0150 | SLF7028T-150MR88          | INDUCTOR,LEADLESS 15UH 20% 0.88A HIGH CURRENT | TDK   | SMD     |       |
| 298      | L43, L93                                                | 2   | 110-07635-0151 | 0805HS-151TGBC            | INDUCTOR,CHIP 150NH 2% Q=50 MIN               | 02113 | 0805    |       |
| 300      | L89                                                     | 1   | 110-07635-0221 | 0805HS-221TGBC            | INDUCTOR,CHIP 220NH 2% Q=50 MIN               | 02113 | 0805    |       |
| 302      | L73                                                     | 1   | 110-08310-1470 | 0805CS-470-XJBC           | INDUCTOR,CHIP WW 47NH 5%                      | 02113 | 1007    |       |
| 304      | L37                                                     | 1   | 110-08310-1680 | 0805CS-680-XJBC           | INDUCTOR,CHIP WW 68NH 5%                      | 02113 | 1007    |       |



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|----------|-------------------------|-----|----------------|---------------------------|-----------------------------------------------------|-------|---------|-------|
| 306      | L55                     | 1   | 110-08310-1820 | 0805CS-820-XJBC           | INDUCTOR,CHIP WW 82NH 5%                            | 02113 | 1007    |       |
| 308      | L7, L24                 | 2   | 110-10008-11R5 | HK1608 1N5 S              | INDUCTOR,CHIP 1.5NH +/- .3NH Q=8 @100MHZ SRF=4000M  | TAIYO | 0603    |       |
| 310      | L21, L23                | 2   | 110-10008-12R7 | HK1608 2N7 S              | INDUCTOR,CHIP 2.7NH +/- .3NH Q=10 @100MHZ SRF=4000M | TAIYO | 0603    |       |
| 312      | L4, L13, L27, L33, L46  | 5   | 110-10008-13R3 | HK1608 3N3 S              | INDUCTOR,CHIP 3.3NH +/- .3NH Q=10 @100MHZ SRF=4000M | TAIYO | 0603    |       |
| 314      | L31, L59, L78, L86, L99 | 5   | 110-10008-13R9 | HK1608 3N9 S              | INDUCTOR,CHIP 3.9NH +/- .3NH Q=10 @100MHZ SRF=4000M | TAIYO | 0603    |       |
| 316      | L2, L8, L18, L35, L56   | 5   | 110-10008-14R7 | HK1608 4N7 S              | INDUCTOR,CHIP 4.7NH +/- .3NH Q=10 @100MHZ SRF=4000M | TAIYO | 0603    |       |
| 318      | L3, L15, L32            | 3   | 110-10008-15R6 | HK1608 5N6 S              | INDUCTOR,CHIP 5.6NH +/- .3NH Q=10 @100MHZ SRF=4000M | TAIYO | 0603    |       |
| 320      | L6, L62                 | 2   | 110-10010-0100 | HK1608 10NK               | INDUCTOR,CHIP 10NH 10% Q=12 @100MHZ SRF=3400        | TAIYO | 0603    |       |
| 322      | L19, L47, L92           | 3   | 110-10010-0120 | HK1608 12NK               | INDUCTOR,CHIP 12NH 10% Q=12 @100MHZ SRF=2600        | TAIYO | 0603    |       |
| 324      | L34, L38, L48, L90      | 4   | 110-10010-0180 | HK1608 18NK               | INDUCTOR,CHIP 18NH 10% Q=12 @100MHZ SRF=2000        | TAIYO | 0603    |       |
| 326      | L11, L83, L85           | 3   | 110-10010-0270 | HK1608 27NK               | INDUCTOR,CHIP 27NH 10% Q=12 @100MHZ SRF=1400        | TAIYO | 0603    |       |
| 328      | L162, L163, L235        | 3   | 110-10010-0470 | HK1608 47NK               | INDUCTOR,CHIP 47NH 10% Q=12 @100MHZ SRF=900         | TAIYO | 0603    |       |
| 330      | L88                     | 1   | 110-10010-0560 | HK1608 56NK               | INDUCTOR,CHIP 56NH 10% Q=12 @100MHZ SRF=900         | TAIYO | 0603    |       |
| 332      | L39, L49                | 2   | 110-10010-0680 | HK1608 68NK               | INDUCTOR,CHIP 68NH 10% Q=12 @100MHZ SRF=700         | TAIYO | 0603    |       |
| 334      | L40, L69, L80, L82      | 4   | 110-10010-06R8 | HK1608 6N8K               | INDUCTOR,CHIP 6.8NH 10% Q=10 @100MHZ SRF=4000       | TAIYO | 0603    |       |
| 336      | L14, L54, L57-L58, L60  | 5   | 110-10010-08R2 | HK1608 8N2K               | INDUCTOR,CHIP 8.2NH 10% Q=12 @100MHZ SRF=3500       | TAIYO | 0603    |       |
| 338      | L70, L72, L74           | 3   | 110-10152-0120 | 0603CS-R12XGBC            | INDUCTOR,CHIP 120NH 2% Q=39 @900MHZ                 | 02113 | 0603    |       |



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| ITEM NO. | REFERENCE DESIGNATOR              | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION               | CAGE  | PACKAGE | NOTES |
|----------|-----------------------------------|-----|----------------|---------------------------|------------------------------------------------|-------|---------|-------|
| 340      | L91                               | 1   | 110-11257-0270 | 1008HT-27NTGBC            | INDUCTOR,CHIP WW CERAMIC 27NH 2%               | 02113 | 1008    |       |
| 342      | L17                               | 1   | 110-12020-06R8 | HK1608 6N8J               | INDUCTOR,CHIP 6.8NH 5% Q=10 @100MHZ SRF=4000   | TAIYO | 0603    |       |
| 344      | L42, L45, L50, L66, L76, L84, L95 | 7   | 112-08284-0010 | BLM21B222SPT              | BEAD,FERRITE CHIP 2250OHM @100MHZ .8OHM @ DC   | 51406 | 0805    |       |
| 346      | L25                               | 1   | 112-08284-0020 | BLM21B20PT                | BEAD,FERRITE CHIP 750OHM @100MHZ 0.7OHM @ DC   | 51406 | 0805    |       |
| 348      | L51, L96, L97                     | 3   | 112-10006-0601 | MMZ1608Y601B              | BEAD,FERRITE CHIP 600OHM @100MHZ               | TDK   | 0603    |       |
| 350      | L1, L63, L65, L71, L94            | 5   | 112-10041-0182 | BK1608LM182T              | BEAD,FERRITE CHIP 1800OHM @100MHZ DCR=.95 50MA | TAIYO | 0603    |       |
| 352      | L98                               | 1   | 112-14026-0800 | FBM3216HS800              | BEAD,FERRITE CHIP 80OHM @100MHZ                | TAIYO | 1206    |       |
| 354      | T2                                | 1   | 116-04062-0006 | 844DB-1023                | TRANSFORMER,BALUN FREQ MIXER 4DB@1000MHZ       | TOKO  | SMD     |       |
| 356      | FL2                               | 1   | 120-01052-8000 | DFY2R836CR881BHH          | FILTER,DUPLEXER 824-849MHZ 869-894MHZ          | 51406 | SMT     |       |
| 358      | FL14                              | 1   | 120-03947-0000 | LFSA25-12B0836B           | FILTER, BANDPASS CERAMIC 836.5 +/-12.5MHZ 18DB | 51406 | SMD     |       |
| 360      | FL6                               | 1   | 120-12017-2836 | SAFC836.5MC72T            | FILTER,SAW 836MHZ 50OHM CLCC 3.8X3.8X1.5       | 18796 | SMD     |       |
| 360A     |                                   | ALT | 120-12017-0836 | F5CH-836M50-L2AW          | FILTER,SAW 836MHZ 50OHM CLCC HI-ATTENUATION    | 9Z397 | SMD     | ALT   |
| 362      | FL3                               | 1   | 120-12018-0881 | F5CH-881M50-L2AMAT        | FILTER,SAW 881MHZ 50OHM CLCC                   | 9Z397 | SMD     |       |
| 363      | U10, U12, U16                     | 3   | 124-01426-0397 | SW-397TR                  | SWITCH,RF SPDT GA/AS DC-2.0GHZ                 | 11556 | SOT-26  |       |
| 364      | U5, U9, U11                       | 3   | 124-10109-0000 | UPG152TA-E3               | SWITCH,RF SPDT L-BAND GA/AS FET                | 4T165 | SOT-23  |       |
| 366      | U20                               | 1   | 127-03737-0002 | SLM-190S (2MT40027 REV3)  | MIXER,SINGLE BALANCED MULTILAYER               | 62786 |         |       |
| 368      | U14                               | 1   | 129-10107-0916 | MRFC0916                  | IC,AMP RF CASCODE 100-2500MHZ 16.5DB@850MHZ    | 04713 | SOT-143 |       |



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|----------|------------------------------------------------------------|-----|----------------|---------------------------|---------------------------------------------------|-------|---------|-------|
| 370      | X2                                                         | 1   | 135-03748-0027 | CSTCS27.00MX040-TC        | RESONATOR,CHIP CERAMIC 27MHZ +/-0.5%              | 51406 | C       |       |
| 372      | U4                                                         | 1   | 138-06542-0010 | CE0731R88DCB              | ISOLATOR,RF 1850-1910MHZ 50OHM                    | 51406 | SMD     |       |
| 372A     |                                                            | ALT | 138-06542-0014 | SI-7SGL1.880G             | ISOLATOR,RF 1850-1910MHZ IL=0.6DB MAX I2 LO HEIGH | HITME | SMT     | ALT   |
| 374      | D1, D3, D5, D7                                             | 4   | 139-03718-0273 | 1SV273TPH3                | DIODE,VARACTOR 7.3-17PF VR=1.0-4.0V               | 7M235 | SMD     |       |
| 376      | D6, D16, D22                                               | 3   | 140-01263-0355 | 1SS355                    | DIODE,SWITCHING HI-SPEED 1.2V @100MA TRR=4.0NS    | 65940 | USM     |       |
| 378      | D4                                                         | 1   | 140-06323-0017 | HSMS-2825-TR1             | DIODE,SCHOTTKY UNCONNECTED PAIR                   | 28480 | SOT-143 |       |
| 380      | D12, D18                                                   | 2   | 140-08280-0221 | DA221TL                   | DIODE,SWITCHING HI-SPEED ARRAY 20V 100MA 4PF (EM3 | 65940 | 3SO071  |       |
| 382      | D10, D14, D20                                              | 3   | 140-08280-0222 | DAN222TL                  | DIODE,SWITCHING HI-SPEED ARRAY 80V 100MA 4NS (EM3 | 65940 | 3SO071  |       |
| 384      | D9                                                         | 1   | 140-10060-0000 | 1SS381                    | DIODE,PLANAR SILICON EPITAXIAL                    | 7M235 | ESC     |       |
| 386      | D2                                                         | 1   | 141-03858-0010 | UDZ10BTE-17               | DIODE,ZENER 10V 200MW                             | 65940 | SOD-323 |       |
| 388      | D8                                                         | 1   | 141-03858-0062 | UDZTE-176.2B              | DIODE,ZENER 6.2V 200MW                            | 65940 | SOD-323 |       |
| 390      | Q28, Q62                                                   | 2   | 160-01261-1664 | 2SD1664                   | TRANSISTOR,NPN HFE=82-390 VCEO=32V MIN IC=1.0A    | 65940 | MPT3    |       |
| 392      | Q56                                                        | 1   | 160-04187-0002 | UMH6NTR                   | TRANSISTOR,DIGITAL DUAL 47K/47K                   | 65940 | UMT6    |       |
| 394      | Q17, Q19, Q37, Q70                                         | 4   | 160-04193-0000 | 2SC4617TLQ                | TRANSISTOR,NPN HFE=120 AT VCE=6.0V IC=1.0MA       | 65940 | EM3     |       |
| 396      | Q3, Q14                                                    | 2   | 160-04194-0000 | 2SA1774TLQ                | TRANSISTOR,PNP HFE=120 AT VCE=6.0V IC=1.0MA       | 65940 | EM3     |       |
| 398      | Q11, Q18, Q21, Q33, Q34, Q36, Q39, Q45, Q46, Q47, Q64, Q68 | 12  | 160-08032-0025 | DTC124EETL                | TRANSISTOR,R1=22K R2=22K DIGITAL 3SO1.8X1.8X.8X.  | 65940 | EM3     |       |
| 400      | Q32, Q38, Q41, Q42, Q43, Q60,                              | 7   | 160-08032-0026 | UMC4NTR                   | TRANSISTOR,R1=10K R2=47K DIGITAL 5SO2.2X2.2X1X.6  | 65940 | UM5     |       |



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|----------|----------------------|-----|----------------|---------------------------|--------------------------------------------------|-------|---------|-------|
| 400      | Q66                  | 7   | 160-08032-0026 | UMC4NTR                   | TRANSISTOR,R1=10K R2=47K DIGITAL 5SO2.2X2.2X1X.6 | 65940 | UM5     |       |
| 402      | Q27                  | 1   | 160-08032-0027 | DTC144EE (EM3)            | TRANSISTOR,R1=47K R2=47K DIGITAL 3SO1.8X1.8X.8X. | 65940 | EM3     |       |
| 404      | Q1, Q4, Q5, Q26, Q61 | 5   | 160-08032-0035 | UMC5NTR                   | TRANSISTOR,PNP/NPN DIGITAL DUAL W/2 RESISTORS    | 65940 | UMT5    |       |
| 406      | Q9-Q10, Q52          | 3   | 160-08166-0004 | UMT1 N TN                 | TRANSISTOR,PNP PRE AMP COMMON BASE               | 65940 | UM6     |       |
| 408      | Q25                  | 1   | 160-08212-0003 | UMG2N                     | TRANSISTOR,DIGITAL INVERTER DRIVER 50V R1&R2=47K | 65940 | UM5     |       |
| 410      | Q20                  | 1   | 160-08212-0006 | UMG4N                     | TRANSISTOR,DIGITAL INVERTER DRIVER 50V R1&R2=10K | 65940 | UMT5    |       |
| 412      | Q58                  | 1   | 160-08212-0114 | UMD3N-UMT6                | TRANSISTOR,NPN/PNP DIGITAL DUAL W/2 RESISTORS    | 65940 | UMT6    |       |
| 414      | Q2, Q13, Q23, Q24    | 4   | 160-10034-0000 | BFP420E6327               | TRANSISTOR,NPN RF 35UA                           | 50579 | SOT343  |       |
| 416      | Q8                   | 1   | 160-10034-0001 | BFP450-F1590              | TRANSISTOR,NPN RF 14DB @ 1.8GHZ                  | 50579 | SOT343  |       |
| 418      | Q7                   | 1   | 160-10106-0340 | NE34018-T1                | TRANSISTOR,FET N-CHANNEL HJ ULTRA LOW NOISE      | 4T165 | SOT-343 |       |
| 420      | Q29                  | 1   | 160-10151-4986 | RN4986                    | TRANSISTOR,PNP/NPN DIGITAL DUAL W/4 RESISTORS    | 7M235 | US6     |       |
| 422      | Q12                  | 1   | 161-03701-0000 | NE85619-T1                | TRANSISTOR,NPN HIGH FREQ GBP=4.5GHZ              | 4T165 | EM3     |       |
| 424      | Q15                  | 1   | 161-03751-0000 | NE68819                   | TRANSISTOR,NPN SILICON HIGH FREQ 5.0GHZ          | 4T165 | SMT     |       |
| 426      | Q22, Q30             | 2   | 162-10000-2035 | 2SK2035TE85L              | TRANSISTOR,FET POWER SUPPLY SWITCHING            | 7M235 | SMT     |       |
| 428      | Q35                  | 1   | 162-14002-0000 | 2SK1830TE85L              | TRANSISTOR,MOSFET N-CHANNEL 0.14VS AT 25V 10MA   | 7M235 | SSM     |       |
| 430      | Q6, Q54              | 2   | 163-10052-6963 | SI6963DQ-T1               | TRANSISTOR,MOSFET P-CHANNEL DUAL 2.5V            | TEMIC | TSSOP   |       |
| 432      | Q48                  | 1   | 163-10100-2803 | IRLML2803                 | TRANSISTOR,PWR N-CHANNEL FET RDS=0.40 @ VGS=4.5V | 9M011 | SOT-23  |       |



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|----------|----------------------|-----|----------------|---------------------------|---------------------------------------------------|--------|-----------|-------|
| 434      | U32                  | 1   | 201-04198-4051 | TC74HC4051AFS-EL          | IC,8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER     | 7M235  | SSOP      |       |
| 436      | U29                  | 1   | 220-03646-0004 | TC7SH04FU-TE85L           | IC,INVERTER LMOS VHS SERIES VCC=2.0-5.5V          | 7M235  | SSOP5-P-A |       |
| 438      | U34                  | 1   | 220-03825-0053 | TC4W53FUTE12L             | IC,MULTIPLEXER/DEMULTIPLEXER 2-CHANNEL            | 7M235  | SSOP      |       |
| 440      | U36                  | 1   | 220-03846-0000 | TC7S00FUTE85L             | IC,2-INPUT NAND GATE                              | 7M235  | SSOP      |       |
| 442      | U25                  | 1   | 225-03607-0074 | TC7W74FU                  | IC,D-TYPE FLIP-FLOP W/PRESET AND CLEAR            | 7M235  | SSOP8-P   |       |
| 444      | U37                  | 1   | 270-10074-0000 | M5M5V208KV-12LL#WT        | IC,SRAM 256KX8                                    | 6Z856  | STSOP     |       |
| 446      | U44                  | 1   | 272-14050-0001 | AT24C128W-10SI-2.7        | IC,EEPROM SERIAL 2 WIRE 2.7V 400KHZ               | 1FN41  | EIAJ SOIC |       |
| 448      | U33                  | 1   | 281-03726-0033 | MIC5205-3.3BM5            | IC,VOLTAGE REGULATOR POS 150MA 3.3V LDO 2% N=28U  | 60496  | SOT-23-5  |       |
| 448A     |                      | ALT | 281-03727-0033 | TC1015-3.3VCT             | IC,VOLTAGE REG 100MA CMOS LDO W/SHT DN & REF BYPA | TELCOM | SOT-23    | ALT   |
| 450      | U21                  | 1   | 281-03726-0040 | MIC5205-4.0BM5            | IC,VOLTAGE REGULATOR POS 150MA 4.0V LDO 2%        | 60496  | SOT-23-5  |       |
| 452      | U2                   | 1   | 281-04218-0000 | MAX850ESA                 | IC,VOLTAGE CONVERSION NEGATIVE SWITCHED CAP REG   | 1ES66  | 8SO244    |       |
| 452A     |                      | ALT | 281-04218-0850 | TCM850EOA                 | IC,VOLTAGE CONVERSION NEGATIVE SWITCHED CAP FREE  | TELCOM | SO-8      | ALT   |
| 454      | U22                  | 1   | 281-05824-03R3 | MIC5203-3.3BM4            | IC,VOLTAGE REGULATOR 80MA 3.3V LOW DROPOUT 3%     | 60496  | SOT-143   |       |
| 456      | U23, U26             | 2   | 281-05824-03R6 | MIC5203-3.6BM4            | IC,VOLTAGE REGULATOR 80MA 3.6V LOW DROPOUT 3%     | 60496  | SOT-143   |       |
| 458      | U1                   | 1   | 281-05824-04R5 | MIC5203-4.5BM4            | IC,VOLTAGE REGULATOR 80MA 4.5V LOW DROPOUT 3%     | 60496  | SOT-143   |       |
| 460      | U42                  | 1   | 281-14060-0000 | LTC1436IGN-PLL            | IC,HIGH EFFICIENCY LOW NOISE SYNCH STEP-DOWN      | 64155  | SSOP      |       |
| 462      | U38                  | 1   | 281-17502-0000 | TPS7233QDR                | IC,VOLTAGE REGULATOR 1.5A 3.3V LDO 2%             | 01295  | SOIC      |       |



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|----------|----------------------|-----|----------------|---------------------------|-------------------------------------------------|--------|---------|-------|
| 464      | U24, U28             | 2   | 282-03691-0755 | TC75S51F                  | IC, OPERATIONAL AMPL DUAL LOW POWER/VOLTAGE     | 7M235  | SSOP    |       |
| 466      | U19                  | 1   | 284-11049-2336 | LMX2336TMX                | IC, FREQ SYNTHESIZER DUAL 2.0GHZ/1.1GHZ         | 27014  | TSSOP   |       |
| 468      | U3                   | 1   | 285-10005-0000 | SA611DK                   | IC, LNA/MIXER RF 800-1000MHZ LOW VOLTAGE        | 0JN86  | SSOP20  |       |
| 470      | Q50                  | 1   | 287-03695-9802 | SI9802DY                  | IC, TRANSISTOR DUAL N-CHANNEL ENHANCED MODE 20V | TEMIC  | SO-8    |       |
| 472      | U15                  | 1   | 288-02179-2712 | UPC2712T                  | IC, AMPLIFIER WIDEBAND 2.5GHZ 23DB 5.0V MMIC    | 4T165  |         |       |
| 474      | U6                   | 1   | 288-10046-0403 | UN00403                   | IC, AMPLIFIER POWER FM 30.7DBM @4.7V            | PANSON | CUSTOM  |       |
| 476      | SW2                  | 1   | 302-03753-0004 | EVQ-WKN001                | SWITCH, JOG ENCODER EDGE DRIVE                  | PANMAT | SMT     |       |
| 476A     |                      | ALT | 302-03753-0003 | EVQWKE001                 | SWITCH, JOG ENCODER EDGE DRIVE                  | 0D2A6  | SMT     | ALT   |
| 478      | U30                  | 1   | 330-08363-0003 | CHB-03C                   | ELECTRO MAGNETIC RESONANT TYPE SOUND GENERATOR  | CITIZE | SMD     |       |
| 480      | R148                 | 1   | 335-14035-0154 | NTCCM16084LH154JCT        | THERMISTOR, NTC 150KOHM 5% B=4550K 3%           | TDK    | 0603    |       |
| 482      | J1                   | 1   | 449-10061-0001 | 14-5087-032-530-861       | CONN, BOARD TO BOARD 0.5MM PITCH PLUG SIDE      | 51595  |         |       |
| 484      | S2                   | 1   | 470-10137-0001 | R299.137.821              | CONN, COAX SWITCHED PCB MOUNT RECEPTACLE        | RADIAL |         |       |
| 486      | J6                   | 1   | 50-46036-1     | 50-46036-1                | CLIP, ANTENNA, TGP                              | 1DN14  |         |       |
| 488      | SH2                  | 1   | 50-46207-1     | 50-46207-1                | SHIELD, FRAME, PA, TGP                          | 1DN14  |         |       |
| 490      | SH1                  | 1   | 50-46240-1     | 50-46240-1                | SHIELD, FRAME, RX, TGP                          | 1DN14  |         |       |
| 492      | SH3                  | 1   | 50-46260-1     | 50-46260-1                | SHIELD, FRAME, PLL, TGP                         | 1DN14  |         |       |
| 494      | SH5                  | 1   | 50-46987-1     | 50-46987-1                | SHIELD, RX AGC, TGP                             | 1DN14  |         |       |



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|----------|------------------------|-----|----------------|---------------------------|---------------------------------------------------|-------|---------|-------|
| 496      | SH9                    | 1   | 50-46300-1     | 50-46300-1                | SHIELD,FRAME,BB2,TGP                              | 1DN14 |         |       |
| 498      | SH11                   | 1   | 50-46320-1     | 50-46320-1                | SHIELD,FRAME,MSM,TGP                              | 1DN14 |         |       |
| 500      | SH7                    | 1   | 50-46425-1     | 50-46425-1                | SHIELD,IF VCO,TGP                                 | 1DN14 |         |       |
| 502      | SH8                    | 1   | 50-46822-1     | 50-46822-1                | SHIELD,FRAME,SW.REG.,TGP                          | 1DN14 |         |       |
| 504      | SH4                    | 1   | 50-46983-1     | 50-46983-1                | SHIELD,DRIVER,TGP                                 | 1DN14 |         |       |
| 506      | SH6                    | 1   | 50-46984-1     | 50-46984-1                | SHIELD,UPC,TGP                                    | 1DN14 |         |       |
| 508      | U40                    | 1   | CA90-69231-3   | CA90-69231-3              | FIRMWARE, ACPA TGP PHONE TEST                     | 1DN14 |         |       |
| 508A     |                        | ALT | CA90-69231-4   | CA90-69231-4              | FIRMWARE,(ACPA) TGP PHONE TEST                    | 1DN14 |         | ALT   |
| 508B     |                        | ALT | CA90-69231-5   | CA90-69231-5              | FIRMWARE,(ACPA) TGP PHONE TEST                    | 1DN14 |         | ALT   |
| 510      | U27                    | 1   | CD90-21884-3   | CD90-21884-3              | IC,Q5312I-3S2,BBA2,DUAL MODE                      | 1DN14 |         |       |
| 512      | U35                    | 1   | CD90-22110-1   | CD90-22110-1              | IC,MSM23000-176TQFP-MT,MATRIX TRAY                | 1DN14 |         |       |
| 514      | U18                    | 1   | CD90-24050-1   | CD90-24050-1              | IC,AMPLIFIER, TX AGC,CDMA/FM. CELLULAR COMMERCIAL | 1DN14 |         |       |
| 516      | U17                    | 1   | CD90-24056-1   | CD90-24056-1              | IC,RX-AGC                                         | 1DN14 |         |       |
| 518      | FL12                   | 1   | 120-19008-0000 | B39192-B4689-Z610         | FILTER,BANDPASS SAW 1880MHZ IL=4.5DB MAX 3.8X3.8M | 50579 | SMD     |       |
| 518A     |                        | ALT | CV90-11884-2   | CV90-11884-2              | FILTER,PCS TX,SAW 1850-1910 MHZ                   | 1DN14 |         | ALT   |
| 520      | FL10                   | 1   | CV90-66376-1   | CV90-66376-1              | FILTER,PCS TX,LOW-BAND SAW 1850-1885 MHZ          | 1DN14 |         |       |
| 520A     |                        | ALT | CV90-11938-2   | CV90-11938-2              | FILTER,PCS TX,SAW,1850-1885 MHZ                   | 1DN14 |         | ALT   |



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|----------|----------------------|-----|----------------|---------------------------|-----------------------------------------------|-------|---------|-------|
| 522      | FL8                  | 1   | CV90-66377-1   | CV90-66377-1              | FILTER,PCS TX,HIGH-BAND SAW 1875-1910 MHZ     | 1DN14 |         |       |
| 522A     |                      | ALT | CV90-11939-2   | CV90-11939-2              | FILTER,PCS TX,SAW,1875-1910 MHZ               | 1DN14 |         | ALT   |
| 524      | FL4                  | 1   | CV90-39000-3   | CV90-39000-3              | DUPLEXER,PCS,1850-1990 MHZ                    | 1DN14 |         |       |
| 526      | FL1                  | 1   | CV90-39518-1   | CV90-39518-1              | FILTER,RX,CERAMIC,1930-1990 MHZ,PCS           | 1DN14 |         |       |
| 528      | FL7                  | 1   | CV90-39541-1   | CV90-39541-1              | FILTER,PCS,LOW-LOSS IF SAW,210.38 MHZ         | 1DN14 |         |       |
| 530      | U7                   | 1   | CV90-39918-1   | CV90-39918-1              | MIXER,FREQUENCY 1930-1990 MHZ,RF/LO-BUFFER    | 1DN14 |         |       |
| 532      | J4                   | 1   | CV90-46103-2   | CV90-46103-2              | CONNECTOR,SOCKET,15 PIN (BOARD SIDE),TGP      | 1DN14 |         |       |
| 534      | J2                   | 1   | CV90-46117-2   | CV90-46117-2              | CONNECTOR,BATTERY INTERFACE,(4 POGO PINS),TGP | 1DN14 |         |       |
| 536      | U31                  | 1   | CV90-46147-2   | CV90-46147-2              | VCTCXO,CDMA/FM,CELLULAR,TGP                   | 1DN14 |         |       |
| 538      | U62                  | 1   | CV90-66001-3   | CV90-66001-3              | AMPLIFIER,POWER,29 DBM,1900MHZ                | 1DN14 |         |       |
| 540      | U13                  | 1   | CV90-66107-1   | CV90-66107-1              | VCO,SUBSCRIBER,HANDSET,DUAL BAND,PCS/AMPS     | 1DN14 |         |       |
| 542      | FL5                  | 1   | CV90-7979-1    | CV90-7979-1               | SAW FILTER,85.38 MHZ,FM                       | 1DN14 |         |       |
| 900      |                      | A/R | 755-05113-0000 | 348                       | LOCKTITE,CHIPBONDER 348                       | 05972 |         | A/R   |
|          |                      |     |                |                           | NOTE: A/R<br>THIS ITEM IS USED AS REQUIRED.   |       |         |       |
|          |                      |     |                |                           | NOTE: ALT<br>THIS IS AN ALTERNATE ITEM.       |       |         |       |



6455 LUSK BOULEVARD SAN DIEGO, CA. 92121

TITLE  
CCA, KEYBOARD, STD, V, 3.0

DRAWING NUMBER  
PL20-66163-1

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CONTRACT NUMBER

SHEET  
1 OF 5

CAGE

1DN14

DRAWN

C.PARKER

DATE

10-02-97

QUALITY ASSURANCE

DATE

10/2/97

CHECKED

*C Parker*

DATE

10/2/97

PROJECT ENGINEER

DATE

10/2/97

COMPONENT ENGINEERING

*C Parker*

DATE

10/2/97

RELEASED

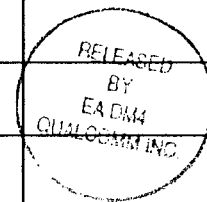
*RC Ghadali*

DATE

10/2/97

### REVISIONS

| REVISION | DESCRIPTION                       | DATE | DRAWN               | CHECKED | APPROVED |
|----------|-----------------------------------|------|---------------------|---------|----------|
| —        | RELEASE SEE DCR 23238 OCT 02 1997 | —    | <del>RELEASED</del> |         |          |
|          |                                   |      |                     |         |          |
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76-9803-3 Rev - (11/17/94)



6455 LUSK BOULEVARD  
SAN DIEGO, CA 92121  
(619)587-1121

# CAGE CODE 1DN14 PARTS LIST

DRAWING NUMBER  
PL20-66163-1

REVISION  
-

TITLE  
CCA,KEYBOARD,STD,V,3.0

DATE  
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SHEET  
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| ITEM NO. | REFERENCE DESIGNATOR | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION            | CAGE   | PACKAGE | NOTES |
|----------|----------------------|-----|----------------|---------------------------|---------------------------------------------|--------|---------|-------|
| 1        |                      | 1   | 25-66163-1     | 25-66163-1                | PWB,KEYBOARD,STD,V1,3.0                     | 1DN14  |         |       |
| 50       | R38                  | 1   | 100-04006-0101 | ERJ2GEJ101H               | RES,CHIP THICK FILM 100 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 52       | R26, R52             | 2   | 100-04006-0102 | ERJ2GEJ102H               | RES,CHIP THICK FILM 1.0K 5% .063W +/-200PPM | PANSON | 0402    |       |
| 54       | R2, R8, R48          | 3   | 100-04006-0103 | ERJ2GEJ103H               | RES,CHIP THICK FILM 10K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 56       | R46, R56             | 2   | 100-04006-0113 | ERJ2GEJ113H               | RES,CHIP THICK FILM 11K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 58       | R14                  | 1   | 100-04006-0183 | ERJ2GEJ183H               | RES,CHIP THICK FILM 18K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 60       | R18, R24, R36, R40   | 4   | 100-04006-0223 | ERJ2GEJ223H               | RES,CHIP THICK FILM 22K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 62       | R16                  | 1   | 100-04006-0273 | ERJ2GEJ273H               | RES,CHIP THICK FILM 27K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 64       | R12, R44             | 2   | 100-04006-0331 | ERJ2GEJ331H               | RES,CHIP THICK FILM 330 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 66       | R6                   | 1   | 100-04006-0390 | ERJ2GEJ390H               | RES,CHIP THICK FILM 39 5% .063W +/-200PPM   | PANSON | 0402    |       |
| 68       | R34                  | 1   | 100-04006-0392 | ERJ2GEJ392H               | RES,CHIP THICK FILM 3.9K 5% .063W +/-200PPM | PANSON | 0402    |       |
| 70       | R30                  | 1   | 100-04006-0394 | ERJ2GEJ394H               | RES,CHIP THICK FILM 390K 5% .063W +/-200PPM | PANSON | 0402    |       |
| 72       | R10                  | 1   | 100-04006-0471 | ERJ2GEJ471H               | RES,CHIP THICK FILM 470 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 74       | R54                  | 1   | 100-04006-0473 | ERJ2GEJ473H               | RES,CHIP THICK FILM 47K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 76       | R58                  | 1   | 100-04006-0562 | ERJ2GEJ562H               | RES,CHIP THICK FILM 5.6K 5% .063W +/-200PPM | PANSON | 0402    |       |
| 78       | R28                  | 1   | 100-04006-0563 | ERJ2GEJ563H               | RES,CHIP THICK FILM 56K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 80       | R32                  | 1   | 100-04006-0683 | ERJ2GEJ683H               | RES,CHIP THICK FILM 68K 5% .063W +/-200PPM  | PANSON | 0402    |       |



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| ITEM NO. | REFERENCE DESIGNATOR                                                                                   | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION             | CAGE   | PACKAGE | NOTES |
|----------|--------------------------------------------------------------------------------------------------------|-----|----------------|---------------------------|----------------------------------------------|--------|---------|-------|
| 82       | R22, R60                                                                                               | 2   | 100-04006-0822 | ERJ2GEJ822H               | RES,CHIP THICK FILM 8.2K 5% .063W +/-200PPM  | PANSON | 0402    |       |
| 84       | R4                                                                                                     | 1   | 100-06723-0430 | RM73B2A430J               | RES,CHIP THICK FILM 43 5% .1W +/-200PPM/C    | 09021  | 0805A   |       |
| 86       | R20, R62                                                                                               | 2   | 100-10001-1302 | RK73H1E1302F              | RES,CHIP THICK FILM 13K 1% 1/16W +/-200PPM   | 09021  | 0402    |       |
| 88       | R50                                                                                                    | 1   | 100-10001-2003 | MCR01PZSIFW2003           | RES,CHIP THICK FILM 200K 1% 1/16W +/-200PPM  | 65940  | 0402    |       |
| 90       | R64                                                                                                    | 1   | 100-10001-2702 | RK73H1ETE2702F            | RES,CHIP THICK FILM 27.0K 1% 1/16W +/-200PPM | 09021  | 0402    |       |
| 92       | C6, C8, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28, C30, C34, C36, C38, C40, C42, C44, C70, C116 | 21  | 105-04012-0101 | C0402C101J3GAC            | CAP,CHIP CERAMIC 100PF 5% COG 25V            | 31433  | 0402    |       |
| 94       | C96, C102, C120, C128                                                                                  | 4   | 105-04012-0220 | C0402C220T3GAC            | CAP,CHIP CERAMIC 22PF 5% COG 25V             | 31433  | 0402    |       |
| 96       | C2, C4                                                                                                 | 2   | 105-04012-0270 | C0402C270J3GAC            | CAP,CHIP CERAMIC 27PF 5% COG 25V             | 31433  | 0402    |       |
| 98       | C48, C56, C60, C62, C64, C66, C76, C80, C98, C100, C106, C108, C110, C112, C114, C118, C124, C140      | 18  | 105-04012-0470 | C0402C470J3GAC            | CAP,CHIP CERAMIC 47PF 5% COG 25V             | 31433  | 0402    |       |
| 100      | C50                                                                                                    | 1   | 105-04013-0102 | C0402C102K3RAC            | CAP,CHIP CERAMIC 1000PF 10% X7R 25V          | 31433  | 0402    |       |
| 102      | C52                                                                                                    | 1   | 105-04013-0152 | C0402C152K3RAC            | CAP,CHIP CERAMIC 1500PF 10% X7R 25V          | 31433  | 0402    |       |
| 104      | C122                                                                                                   | 1   | 105-04013-0221 | C1005X7R1E221KT           | CAP,CHIP CERAMIC 220PF 10% X7R 25V           | TDK    | 0402    |       |
| 106      | C82                                                                                                    | 1   | 105-04013-0271 | C0402C271K3RAC            | CAP,CHIP CERAMIC 270PF 10% X7R 25V           | 31433  | 0402    |       |
| 108      | C94                                                                                                    | 1   | 105-04013-0471 | C0402C471K3RAC            | CAP,CHIP CERAMIC 470PF 10% X7R 25V           | 31433  | 0402    |       |



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|----------|-----------------------------------------------|-----|----------------|---------------------------|---------------------------------------------------|-------|---------|-------|
| 110      | C32, C84, C88, C92, C104, C126, C138          | 7   | 105-04017-0103 | C0402C103K4RAC            | CAP,CHIP CERAMIC 10000PF 10% X7R 16V              | 31433 | 0402    |       |
| 112      | C78, C134                                     | 2   | 105-04079-6683 | GRM39X7R683K016BL         | CAP,CHIP CERAMIC .068UF 10% X7R 16V               | 51406 | 0603    |       |
| 114      | C46, C54, C58, C72, C90, C130, C132, C136     | 8   | 105-14019-0104 | C1608X7R1C104K            | CAP,CHIP CERAMIC 0.1UF +/-10% 16V                 | TDK   | 0603    |       |
| 116      | C68                                           | 1   | 105-15507-0105 | C1608Y5V1A105ZT           | CAP,CHIP CER 1.0UF +80/-20% Y5V 10V               | TDK   | 0603    |       |
| 118      | C142                                          | 1   | 106-02646-1475 | T491S475K006AS            | CAP,CHIP TANT 4.7UF 10% 6V LOW PROFILE            | 31433 | S       |       |
| 120      | C74, C86                                      | 2   | 106-04036-4475 | T491A475M010AS            | CAP,CHIP TANT 4.7UF 20% 10V                       | 31433 | A       |       |
| 122      | L2, L4, L6, L8, L10                           | 5   | 112-10006-0601 | MMZ1608Y601B              | BEAD,FERRITE CHIP 600OHMS @100MHZ                 | TDK   | 0603    |       |
| 124      | D6                                            | 1   | 140-08280-0221 | DA221TL                   | DIODE,SWITCHING HI-SPEED ARRAY 20V 100MA 4PF (EM3 | 65940 | 3SO071  |       |
| 126      | Q2, Q4                                        | 2   | 160-04193-0000 | 2SC4617TLQ                | TRANSISTOR,NPN HFE=120 AT VCE=6.0V IC=1.0MA       | 65940 | EM3     |       |
| 128      | Q6                                            | 1   | 160-08032-0025 | DTC124EETL                | TRANSISTOR,DIGITAL R1=22K R2=22K 3SO1.8X1.8X.8X.  | 65940 | EM3     |       |
| 130      | U4                                            | 1   | 281-05824-03R3 | MIC5203-3.3BM4            | IC,VOLTAGE REGULATOR 80MA 3.3V LOW DROPOUT 3%     | 60496 | SOT-143 |       |
| 132      | U6                                            | 1   | 282-10154-0001 | TLV2264AIPWLE             | IC,OPERATIONAL AMPL QUAD LOW POWER RAIL-TO-RAIL   | 01295 | TSSOP   |       |
| 134      | U8                                            | 1   | 285-03678-0000 | TLV320AC36IPT             | IC,PROCESSOR VOICE BAND AUDIO 3.0V                | 01295 | PQFP    |       |
| 136      | U2                                            | 1   | 288-03716-0000 | U4083B                    | IC,AMPLIFIER AUDIO LOW-POWER 2.0-16V GAIN 0-46DB  | 24972 | SO8     |       |
| 138      | D2, D4, D8, D10, D12, D14, D16, D18, D20, D22 | 10  | 310-10110-0000 | HSMG-D630                 | LED,CHIP 3.2MM X 1.25MM GREEN                     | 28480 | SMD     |       |
| 140      | J4                                            | 1   | 449-10113-0002 | 24-5087-032-500-861       | CONN,BOARD TO BOARD 0.5MM PITCH RECEPTACLE        | 91662 | SMD     |       |



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| ITEM NO. | REFERENCE DESIGNATOR                 | QTY | QUALCOMM MCN   | MANUFACTURERS PART NUMBER | PART NOMENCLATURE OR DESCRIPTION | CAGE  | PACKAGE | NOTES |
|----------|--------------------------------------|-----|----------------|---------------------------|----------------------------------|-------|---------|-------|
| 142      | J2                                   | 1   | 477-14030-0014 | 04-6239-014-001-800       | CONN,ZIF 0.5MM PITCH             | 51595 | SMT     |       |
| 144      | SO2, SO4, SO6, SO8, SO10, SO12, SO14 | 7   | 50-46707-1     | 50-46707-1                | GROUND CLIP,MAIN TO KEYBOARD,TGP | 1DN14 |         |       |