

# **Programmes After Market Services**

## **NPL-1 Series Cellular Phones**

## **9 – Parts List**

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## Parts List

### PWB Components

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value          |  |  |           | Type                                   |
|------|--------------|--------------------------|---|---|--------------------------------|--|--|-----------|--|
| B200 | 4510219      | Top                      | P | 3 | CRYSTAL 32.768KHZ+-30PPM 9PF   |  |  | 32.768kHz | ~ ~                                    |
| B601 | 4510337      | Top                      | J | 8 | CRYSTAL 26.0MHZ+-10PPM CL=TBD  |  |  | 26MHz     | ~ ~                                    |
| C102 | 2320546      | Top                      | F | 3 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C103 | 2320546      | Top                      | F | 7 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C104 | 2320546      | Top                      | U | 2 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C105 | 2320546      | Top                      | T | 2 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C106 | 2320546      | Top                      | T | 2 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C107 | 2320744      | Top                      | V | 5 | Chipcap X7R 10% 50V            |  |  | 1n0       | 50V "normal,-10%,10%" 0402C            |
| C108 | 2320744      | Top                      | W | 5 | Chipcap X7R 10% 50V            |  |  | 1n0       | 50V "normal,-10%,10%" 0402C            |
| C148 | 2320481      | Top                      | N | 2 | CHIPCAP X5R 1U K 6V3           |  |  | 1u0       | 6.3V "normal,-10%,10%" 0603C           |
| C149 | 2320481      | Top                      | O | 2 | CHIPCAP X5R 1U K 6V3           |  |  | 1u0       | 6.3V "normal,-10%,10%" 0603C           |
| C150 | 2315201      | Top                      | P | 2 | CHIP ARRAY NPO 2X27P K 25V     |  |  | 2x27p     | 25V "normal,-10%,10%" 0405_2_P0.65     |
| C151 | 2320744      | Top                      | U | 4 | Chipcap X7R 10% 50V            |  |  | 1n0       | 50V "normal,-10%,10%" 0402C            |
| C152 | 2320546      | Top                      | U | 4 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C153 | 2610003      | Top                      | V | 3 | CHIPTCAP 10U M 10V 3.2X1.6X1.6 |  |  | 10u_10V   | 10V "normal,-20%,20%" TANT_YTE         |
| C154 | 2315211      | Top                      | U | 3 | CHIP ARRAY X5R 2X100N Y 10V    |  |  | 2x100n    | 10V "normal,-20%,20%" 0405_2_P0.65_AVX |
| C155 | 2320778      | Top                      | U | 3 | Chipcap X7R 10% 16V            |  |  | 10n       | 16V "normal,-10%,10%" 0402C            |
| C156 | 2315201      | Top                      | W | 4 | CHIP ARRAY NPO 2X27P K 25V     |  |  | 2x27p     | 25V "normal,-10%,10%" 0405_2_P0.65     |
| C158 | 2610003      | Top                      | U | 2 | CHIPTCAP 10U M 10V 3.2X1.6X1.6 |  |  | 10u_10V   | 10V "normal,-20%,20%" TANT_YTE         |
| C159 | 2320546      | Top                      | W | 3 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C160 | 2320744      | Top                      | S | 2 | Chipcap X7R 10% 50V            |  |  | 1n0       | 50V "normal,-10%,10%" 0402C            |
| C161 | 2320546      | Top                      | T | 2 | Chipcap 5% NPO                 |  |  | 27p       | 50V "normal,-5%,5%" 0402C              |
| C162 | 2610003      | Top                      | S | 2 | CHIPTCAP 10U M 10V 3.2X1.6X1.6 |  |  | 10u_10V   | 10V "normal,-20%,20%" TANT_YTE         |
| C163 | 2320805      | Top                      | T | 3 | CHIPCAP X5R 100N K 10V         |  |  | 100n      | 10V "normal,-10%,10%" 0402C            |
| C164 | 2315209      | Top                      | U | 3 | CHIP ARRAY X5R 2X33N M 10V     |  |  | 2x33n     | 10V "normal,-10%,10%" 0405_2_P0.65_AVX |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value         |       |      |                   | Type             |
|------|--------------|--------------------------|---|---|-------------------------------|-------|------|-------------------|------------------|
| C165 | 2315209      | Top                      | U | 3 | CHIP ARRAY X5R 2X33N M<br>10V | 2x33n | 10V  | "normal,-20%,20%" | 0405_2_P0.65_AVX |
| C166 | 2315201      | Top                      | V | 3 | CHIP ARRAY NPO 2X27P K<br>25V | 2x27p | 25V  | "normal,-10%,10%" | 0405_2_P0.65     |
| C167 | 2320546      | Top                      | V | 2 | Chipcap 5% NPO                | 27p   | 50V  | "normal,-5%,5%"   | 0402C            |
| C168 | 2315203      | Top                      | W | 3 | CHIP ARRAY X5R 2X10N M<br>16V | 2x10n | 16V  | "normal,-10%,10%" | 0405_2_P0.65_AVX |
| C170 | 2320481      | Top                      | T | 3 | CHIpcap X5R 1U K 6V3<br>0603  | 1u0   | 6.3V | "normal,-10%,10%" | 0603C            |
| C172 | 2320778      | Top                      | U | 3 | Chipcap X7R 10% 16V 0402      | 10n   | 16V  | "normal,-10%,10%" | 0402C            |
| C175 | 2320805      | Top                      | U | 5 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C176 | 2320481      | Top                      | U | 4 | CHIpcap X5R 1U K 6V3<br>0603  | 1u0   | 6.3V | "normal,-10%,10%" | 0603C            |
| C177 | 2320778      | Top                      | T | 4 | Chipcap X7R 10% 16V 0402      | 10n   | 16V  | "normal,-10%,10%" | 0402C            |
| C178 | 2320778      | Top                      | T | 4 | Chipcap X7R 10% 16V 0402      | 10n   | 16V  | "normal,-10%,10%" | 0402C            |
| C179 | 2320576      | Top                      | U | 4 | Chipcap 5% X7R                | 470p  | 50V  | "normal,-5%,5%"   | 0402C            |
| C180 | 2320546      | Top                      | U | 4 | Chipcap 5% NPO                | 27p   | 50V  | "normal,-5%,5%"   | 0402C            |
| C181 | 2315203      | Top                      | W | 3 | CHIP ARRAY X5R 2X10N M<br>16V | 2x10n | 16V  | "normal,-20%,20%" | 0405_2_P0.65_AVX |
| C200 | 2320805      | Top                      | Q | 5 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C201 | 2320481      | Top                      | R | 5 | CHIpcap X5R 1U K 6V3<br>0603  | 1u0   | 6.3V | "normal,-10%,10%" | 0603C            |
| C202 | 2320778      | Top                      | R | 5 | Chipcap X7R 10% 16V 0402      | 10n   | 16V  | "normal,-10%,10%" | 0402C            |
| C207 | 2316001      | Top                      | N | 3 | CHIpcap X5R 2U2 K 6V3         | 2u2   | 6V3  | "normal,-10%,10%" | 0603C            |
| C208 | 2320481      | Top                      | Q | 6 | CHIpcap X5R 1U K 6V3<br>0603  | 1u0   | 6.3V | "normal,-10%,10%" | 0603C            |
| C209 | 2320536      | Top                      | P | 2 | Chipcap 5% NPO                | 10p   | 50V  | "normal,-5%,5%"   | 0402C            |
| C210 | 2320536      | Top                      | P | 3 | Chipcap 5% NPO                | 10p   | 50V  | "normal,-5%,5%"   | 0402C            |
| C218 | 2320805      | Top                      | N | 3 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C236 | 2320805      | Top                      | N | 6 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C237 | 2320805      | Top                      | N | 6 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C238 | 2320805      | Top                      | Q | 5 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C239 | 2320805      | Top                      | O | 3 | CHIpcap X5R 100N K 10V        | 100n  | 10V  | "normal,-10%,10%" | 0402C            |
| C240 | 2320778      | Top                      | O | 3 | Chipcap X7R 10% 16V 0402      | 10n   | 16V  | "normal,-10%,10%" | 0402C            |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value    |     |      |                   | Type  |
|------|--------------|--------------------------|---|---|--------------------------|-----|------|-------------------|-------|
| C241 | 2320744      | Top                      | N | 2 | Chipcap X7R 10% 50V 0402 | 1n0 | 50V  | "normal,-10%,10%" | 0402C |
| C242 | 2320744      | Top                      | N | 2 | Chipcap X7R 10% 50V 0402 | 1n0 | 50V  | "normal,-20%,20%" | 0402C |
| C260 | 2320481      | Top                      | Q | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C261 | 2320481      | Top                      | Q | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C262 | 2320481      | Top                      | R | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C263 | 2320481      | Top                      | S | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C264 | 2320481      | Top                      | R | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C265 | 2320481      | Top                      | R | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C274 | 2320481      | Top                      | O | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C275 | 2320481      | Top                      | Q | 4 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C276 | 2320481      | Top                      | Q | 4 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C277 | 2320481      | Top                      | O | 3 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C278 | 2320481      | Top                      | P | 3 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C279 | 2320481      | Top                      | Q | 5 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C280 | 2320481      | Top                      | P | 7 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C281 | 2320481      | Top                      | Q | 5 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C282 | 2320481      | Top                      | P | 3 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C283 | 2320481      | Top                      | Q | 2 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C284 | 2320481      | Top                      | Q | 3 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C285 | 2320481      | Top                      | O | 6 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C286 | 2320481      | Top                      | O | 6 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C287 | 2320481      | Top                      | N | 7 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C288 | 2320481      | Top                      | O | 7 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |
| C289 | 2320481      | Top                      | P | 6 | CHIPCAP X5R 1U K 6V3     | 1u0 | 6.3V | "normal,-10%,10%" | 0603C |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value  |      |      |                   | Type        |
|------|--------------|--------------------------|---|---|------------------------|------|------|-------------------|-------------|
| C290 | 2320139      | Top                      | P | 6 | CHIPCAP X5R 1U0 K 10V  | 1u0  | 10V  | "normal,-10%,10%" | 0603C_H0.95 |
| C291 | 2320481      | Top                      | O | 6 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C292 | 2320139      | Top                      | P | 6 | CHIPCAP X5R 1U0 K 10V  | 1u0  | 10V  | "normal,-10%,10%" | 0603C_H0.95 |
| C293 | 2320481      | Top                      | P | 7 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C294 | 2320481      | Top                      | P | 7 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C295 | 2320481      | Top                      | O | 6 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C296 | 2320481      | Top                      | O | 7 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C297 | 2320481      | Top                      | N | 6 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C298 | 2320481      | Top                      | O | 7 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C299 | 2320481      | Top                      | O | 7 | CHIPCAP X5R 1U K 6V3   | 1u0  | 6.3V | "normal,-10%,10%" | 0603C       |
| C302 | 2318003      | Top                      | E | 2 | CHIPCAP X5R 1U0 K 16V  | 1u0  | 16V  | "normal,-10%,10%" | 0805C       |
| C303 | 2320805      | Top                      | E | 3 | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%" | 0402C       |
| C304 | 2320805      | Top                      | E | 3 | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%" | 0402C       |
| C306 | 2320538      | Top                      | E | 3 | Chipcap 5% NPO         | 12p  | 50V  | "normal,-5%,5%"   | 0402C       |
| C307 | 2320778      | Top                      | A | 7 | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%" | 0402C       |
| C308 | 2320744      | Top                      | A | 7 | Chipcap X7R 10% 50V    | 1n0  | 50V  | "normal,-10%,10%" | 0402C       |
| C309 | 2320546      | Top                      | B | 6 | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"   | 0402C       |
| C312 | 2320778      | Top                      | G | 1 | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%" | 0402C       |
| C350 | 2320805      | Top                      | A | 6 | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%" | 0402C       |
| C351 | 2312243      | Top                      | G | 1 | CHIPCAP X5R 4U7 K 6V3  | 4u7  | 6V3  | "normal,-10%,10%" | 0805C       |
| C390 | 2320805      | Top                      | Q | 3 | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%" | 0402C       |
| C400 | 2320778      | Top                      | Q | 7 | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%" | 0402C       |
| C401 | 2320805      | Top                      | Q | 6 | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%" | 0402C       |
| C402 | 2320778      | Top                      | R | 5 | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%" | 0402C       |
| C403 | 2320778      | Top                      | Q | 6 | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%" | 0402C       |

| Item | Product Code | Location Side, Grid ref. |   |        | Description and value  |      |      |                         | Type        |
|------|--------------|--------------------------|---|--------|------------------------|------|------|-------------------------|-------------|
| C404 | 2320778      | Top                      | R | 5      | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%"       | 0402C       |
| C405 | 2320778      | Top                      | R | 8      | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%"       | 0402C       |
| C425 | 2320560      | Top                      | L | 5      | Chipcap 5% NPO         | 100p | 50V  | "normal,-5%,5%"         | 0402C       |
| C426 | 2320744      | Top                      | N | 2<br>3 | Chipcap X7R 10% 50V    | 1n0  | 50V  | "normal,-10%,10%"       | 0402C       |
| C450 | 2320778      | Top                      | U | 6      | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%"       | 0402C       |
| C451 | 2320805      | Top                      | V | 6      | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%"       | 0402C       |
| C454 | 2320779      | Top                      | T | 5      | CHIPCAP X7R 100N K 16V | 100n | 16V  | "normal,-10%,10%"       | 0603_BLM    |
| C602 | 2320538      | Top                      | L | 5      | Chipcap 5% NPO         | 12p  | 50V  | "normal,-5%,5%"         | 0402C       |
| C603 | 2320744      | Top                      | M | 6      | Chipcap X7R 10% 50V    | 1n0  | 50V  | "normal,-10%,10%"       | 0402C       |
| C605 | 2320805      | Top                      | M | 5      | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%"       | 0402C       |
| C606 | 2320546      | Top                      | J | 8      | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"         | 0402C       |
| C607 | 2312211      | Top                      | M | 6      | CHIPCAP X5R 3U3 K 6V3  | 3u3  | 6V3  | "normal,-10%,10%"       | 0805C_H1.35 |
| C610 | 2320805      | Top                      | L | 9      | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%"       | 0402C       |
| C611 | 2320629      | Top                      | C | 4      | CHIPCAP NPO 1P0 B 50V  | 1p0  | 50V  | "normal,-0.1p,0.1p"     | 0402C       |
| C615 | 2320778      | Top                      | I | 8      | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%"       | 0402C       |
| C620 | 2320546      | Top                      | I | 8      | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"         | 0402C       |
| C622 | 2320805      | Top                      | J | 5      | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%"       | 0402C       |
| C623 | 2320805      | Top                      | K | 6      | CHIPCAP X5R 100N K 10V | 100n | 10V  | "normal,-10%,10%"       | 0402C       |
| C624 | 2320546      | Top                      | J | 6      | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"         | 0402C       |
| C625 | 2320139      | Top                      | K | 6      | CHIPCAP X5R 1U0 K 10V  | 1u0  | 10V  | "normal,-10%,10%"       | 0603C_H0.95 |
| C626 | 2320530      | Top                      | J | 6      | Chipcap +-0.25pF NPO   | 5p6  | 50V  | "normal,-0.25pF,0.25pF" | 0402C       |
| C627 | 2313213      | Top                      | K | 5      | CHIPCAP X5R 10U K 6V3  | 10u  | 6.3V | "normal,-10%,10%"       | 1206C_H1.8  |
| C628 | 2320778      | Top                      | K | 7      | Chipcap X7R 10% 16V    | 10n  | 16V  | "normal,-10%,10%"       | 0402C       |
| C629 | 2320546      | Top                      | K | 6      | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"         | 0402C       |
| C630 | 2320629      | Top                      | H | 7      | CHIPCAP NPO 1P0 B 50V  | 1p0  | 50V  | "normal,-0.1p,0.1p"     | 0402C       |
| C631 | 2320621      | Top                      | H | 6      | CHIPCAP NPO 0P5 C 50V  | 0p5  | 50V  | "normal,-0.25p,0.25p"   | 0402C       |
| C632 | 2320744      | Top                      | I | 8      | Chipcap X7R 10% 50V    | 1n0  | 50V  | "normal,-10%,10%"       | 0402C       |
| C633 | 2320546      | Top                      | K | 6      | Chipcap 5% NPO         | 27p  | 50V  | "normal,-5%,5%"         | 0402C       |

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|------|--------------|--------------------------|---|---|------------------------|------|-----|-------------------------|-------------|
| C634 | 2320520      | Top                      | H | 7 | Chipcap +-0.25pF NPO   | 2p2  | 50V | "normal,-0.25pF,0.25pF" | 0402C       |
| C635 | 2320546      | Top                      | J | 7 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C636 | 2320778      | Top                      | J | 8 | Chipcap X7R 10% 16V    | 10n  | 16V | "normal,-10%,10%"       | 0402C       |
| C639 | 2320552      | Top                      | H | 7 | Chipcap 5% NPO         | 47p  | 50V | "normal,-5%,5%"         | 0402C       |
| C701 | 2320540      | Top                      | B | 5 | Chipcap 5% NPO         | 15p  | 50V | "normal,-5%,5%"         | 0402C       |
| C702 | 2320540      | Top                      | C | 5 | Chipcap 5% NPO         | 15p  | 50V | "normal,-5%,5%"         | 0402C       |
| C703 | 2320546      | Top                      | C | 4 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C704 | 2320546      | Top                      | K | 7 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C705 | 2320540      | Top                      | K | 8 | Chipcap 5% NPO         | 15p  | 50V | "normal,-5%,5%"         | 0402C       |
| C706 | 2320556      | Top                      | J | 6 | Chipcap 5% NPO         | 68p  | 50V | "normal,-5%,5%"         | 0402C       |
| C707 | 2322023      | Top                      | J | 6 | CHIPCAP NPO 2N2 J 16V  | 2n2  | 16V | "normal,-5%,5%"         | 0603C       |
| C709 | 2320631      | Top                      | M | 7 | CHIPCAP NPO 180P J 25V | 180p | 25V | "normal,-5%,5%"         | 0402C       |
| C710 | 2320631      | Top                      | K | 7 | CHIPCAP NPO 180P J 25V | 180p | 25V | "normal,-5%,5%"         | 0402C       |
| C711 | 2310055      | Top                      | L | 7 | CHIPCAP NPO 3N9 J 16V  | 3n9  | 16V | "normal,-5%,5%"         | 0805C_AVX   |
| C712 | 2320631      | Top                      | M | 7 | CHIPCAP NPO 180P J 25V | 180p | 25V | "normal,-5%,5%"         | 0402C       |
| C715 | 2320556      | Top                      | L | 6 | Chipcap 5% NPO         | 68p  | 50V | "normal,-5%,5%"         | 0402C       |
| C716 | 2320556      | Top                      | L | 6 | Chipcap 5% NPO         | 68p  | 50V | "normal,-5%,5%"         | 0402C       |
| C717 | 2320546      | Top                      | L | 7 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C718 | 2320744      | Top                      | L | 6 | Chipcap X7R 10% 50V 0  | 1n0  | 50V | "normal,-10%,10%"       | 0402C       |
| C720 | 2320805      | Top                      | I | 5 | CHIPCAP X5R 100N K 10V | 100n | 10V | "normal,-10%,10%"       | 0402C       |
| C721 | 2320744      | Top                      | I | 5 | Chipcap X7R 10% 50V    | 1n0  | 50V | "normal,-10%,10%"       | 0402C       |
| C722 | 2320540      | Top                      | H | 5 | Chipcap 5% NPO         | 15p  | 50V | "normal,-5%,5%"         | 0402C       |
| C724 | 2320629      | Top                      | H | 6 | CHIPCAP NPO 1P0 B 50V  | 1p0  | 50V | "normal,-0.1p,0.1p"     | 0402C       |
| C731 | 2320546      | Top                      | J | 5 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C733 | 2320546      | Top                      | I | 6 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C734 | 2320546      | Top                      | I | 6 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C740 | 2312211      | Top                      | L | 9 | CHIPCAP X5R 3U3 K 6V3  | 3u3  | 6V3 | "normal,-10%,10%"       | 0805C_H1.35 |
| C741 | 2320530      | Top                      | M | 9 | Chipcap +-0.25pF NPO   | 5p6  | 50V | "normal,-0.25pF,0.25pF" | 0402C       |
| C803 | 2320546      | Top                      | E | 3 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C804 | 2320546      | Top                      | D | 3 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C805 | 2320546      | Top                      | J | 5 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C807 | 2320546      | Top                      | D | 6 | Chipcap 5% NPO         | 27p  | 50V | "normal,-5%,5%"         | 0402C       |
| C810 | 2320530      | Top                      | D | 6 | Chipcap +-0.25pF NPO   | 5p6  | 50V | "normal,-0.25pF,0.25pF" | 0402C       |
| C811 | 2320744      | Top                      | D | 6 | Chipcap X7R 10% 50V    | 1n0  | 50V | "normal,-10%,10%"       | 0402C       |
| C812 | 2320139      | Top                      | E | 6 | CHIPCAP X5R 1U0 K 10V  | 1u0  | 10V | "normal,-10%,10%"       | 0603C_H0.95 |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value            |                |     |                         | Type                 |
|------|--------------|--------------------------|---|---|----------------------------------|----------------|-----|-------------------------|----------------------|
| C813 | 2320546      | Top                      | E | 4 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C814 | 2320805      | Top                      | D | 6 | CHIPCAP X5R 100N K 10V           | 100n           | 10V | "normal,-10%,10%"       | 0402C                |
| C815 | 2611753      | Top                      | C | 6 | CHIPTCAP 33U M 16V 6.0X3.2X1.5   | 33u_16V        | 16V | "normal,-20%,20%"       | TANT_TPSW2           |
| C816 | 2320546      | Top                      | F | 3 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C817 | 2320530      | Top                      | F | 3 | Chipcap +-0.25pF NPO             | 5p6            | 50V | "normal,-0.25pF,0.25pF" | 0402C                |
| C818 | 2320546      | Top                      | H | 5 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C820 | 2320546      | Top                      | G | 4 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C821 | 2320518      | Top                      | H | 5 | Chipcap +-0.25pF NPO             | 1p8            | 50V | "normal,-0.25pF,0.25pF" | 0402C                |
| C822 | 2320546      | Top                      | H | 5 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C823 | 2320629      | Top                      | D | 5 | CHIPCAP NPO 1P0 B 50V            | 1p0            | 50V | "normal,-0.1p,0.1p"     | 0402C                |
| C824 | 2320526      | Top                      | I | 5 | Chipcap +-0.25pF NPO             | 3p9            | 50V | "normal,-0.25pF,0.25pF" | 0402C                |
| C825 | 2320805      | Top                      | E | 4 | CHIPCAP X5R 100N K 10V           | 100n           | 10V | "normal,-10%,10%"       | 0402C                |
| C826 | 2320534      | Top                      | C | 5 | Chipcap +-0.25pF NPO             | 8p2            | 50V | "normal,-0.25pF,0.25pF" | 0402C                |
| C832 | 2320744      | Top                      | G | 6 | Chipcap X7R 10% 50V              | 1n0            | 50V | "normal,-10%,10%"       | 0402C                |
| C871 | 2320546      | Top                      | J | 8 | Chipcap 5% NPO                   | 27p            | 50V | "normal,-5%,5%"         | 0402C                |
| C873 | 2320744      | Top                      | G | 4 | Chipcap X7R 10% 50V              | 1n0            | 50V | "normal,-10%,10%"       | 0402C                |
| D450 | 4341203      | Top                      | U | 7 | FLASH NMP DCT4 64MBIT 40HHZ      | 4Mx16          | ~   | ~                       | uBGA40_P0.5_64MB_MAX |
| F100 | 5119019      | Top                      | W | 7 | SM FUSE F 1.5A 32V               | 1.5A           | ~   | ~                       | 0603_FUSE            |
| G300 | 4700117      | Bot tom                  | X | 3 | CELL ASSY.POLYACENE 0.05MAH 3.3V | 3.3V           | ~   | ~                       | PAS614L_SP6          |
| G701 | 4350315      | Top                      | L | 8 | VCO 3420-3980MHZ 2.7V 20MA       | 3420-3980MHz   | ~   | ~                       | VCO_FDK_IT_H1.7      |
| L100 | 3203743      | Top                      | V | 5 | FERR.BEAD OR03 42R/100MHZ 3A     | 42R/100MHz     | ~   | ~                       | 0805_BLM21           |
| L132 | 3203741      | Top                      | N | 2 | FERRITE BEAD OR5 600R/100MHZ     | 600R/100MHz    | ~   | ~                       | 0603_BLM             |
| L133 | 3203741      | Top                      | O | 2 | FERRITE BEAD OR5 600R/100MHZ     | 600R/100MHz    | ~   | ~                       | 0603_BLM             |
| L150 | 3203725      | Top                      | W | 3 | FERRITE BEAD OR6 600R/100M       | 600R/100MHz    | ~   | ~                       | FERRITE_0402         |
| L155 | 3203801      | Top                      | W | 4 | CHIP BEAD ARRAY 2X1000R          | 2x1000R/100MHz | ~   | -                       | 0405_2_MATSU         |
| L168 | 3203801      | Top                      | W | 4 | CHIP BEAD ARRAY 2X1000R          | 2x1000R/100MHz | ~   | -                       | 0405_2_MATSU         |
| L260 | 3203741      | Top                      | Q | 2 | FERRITE BEAD OR5 600R/100MHZ     | 600R/100MHz    | ~   | ~                       | 0603_BLM             |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value             |                            |   |                         | Type           |
|------|--------------|--------------------------|---|---|-----------------------------------|----------------------------|---|-------------------------|----------------|
| L261 | 3203741      | Top                      | Q | 2 | FERRITE BEAD OR5 600R/<br>100MHZ  | 600R/<br>100MHz            | ~ | ~                       | 0603_BLM       |
| L262 | 3203741      | Top                      | R | 2 | FERRITE BEAD OR5 600R/<br>100MHZ  | 600R/<br>100MHz            | ~ | ~                       | 0603_BLM       |
| L263 | 3203741      | Top                      | S | 2 | FERRITE BEAD OR5 600R/<br>100MHZ  | 600R/<br>100MHz            | ~ | ~                       | 0603_BLM       |
| L264 | 3203741      | Top                      | R | 2 | FERRITE BEAD OR5 600R/<br>100MHZ  | 600R/<br>100MHz            | ~ | ~                       | 0603_BLM       |
| L265 | 3203741      | Top                      | R | 2 | FERRITE BEAD OR5 600R/<br>100MHZ  | 600R/<br>100MHz            | ~ | ~                       | 0603_BLM       |
| L307 | 3646027      | Top                      | A | 7 | CHIP COIL 33N J Q7/<br>100MHZ     | 33nH                       | ~ | "normal,-5%,+5%"        | 0402_ELJRF     |
| L308 | 3646027      | Top                      | A | 7 | CHIP COIL 33N J Q7/<br>100MHZ     | 33nH                       | ~ | "normal,-5%,+5%"        | 0402_ELJRF     |
| L601 | 3646087      | Top                      | I | 7 | CHIP COIL 1N8+-0N3 Q31/<br>800M   | 1n8H                       | ~ | "normal,-0n3,0n3"       | 0402L          |
| L602 | 3646087      | Top                      | I | 7 | CHIP COIL 1N8+-0N3 Q31/<br>800M   | 1n8H                       | ~ | "normal,-0n3,0n3"       | 0402L          |
| L603 | 3646051      | Top                      | I | 6 | CHIP COIL 3N9 +-0N3 Q28/<br>800M  | 3n9H                       | ~ | "normal,-<br>0n3,+0n3"  | 0402L          |
| L604 | 3646051      | Top                      | I | 7 | CHIP COIL 3N9 +-0N3 Q28/<br>800M  | 3n9H                       | ~ | "normal,-<br>0n3,+0n3"  | 0402L          |
| L605 | 3646101      | Top                      | H | 6 | CHIP COIL 3N9 +-0N3 Q7/<br>100M   | 3n9H                       | ~ | "normal,-0n3,0n3"       | 0402_ELJRF     |
| L606 | 3646055      | Top                      | I | 7 | CHIP COIL 8N2 J Q28/<br>800MHZ    | 8n2H                       | ~ | "normal,-5%,+5%"        | 0402L          |
| L607 | 3646055      | Top                      | I | 7 | CHIP COIL 8N2 J Q28/<br>800MHZ    | 8n2H                       | ~ | "normal,-5%,+5%"        | 0402L          |
| L610 | 3646067      | Top                      | B | 3 | CHIP COIL 18N J Q29/800M          | 18nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L611 | 3646067      | Top                      | B | 3 | CHIP COIL 18N J Q29/800M          | 18nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L701 | 3646027      | Top                      | K | 8 | CHIP COIL 33N J Q7/<br>100MHZ     | 33nH                       | ~ | "normal,-5%,+5%"        | 0402_ELJRF     |
| L702 | 3646027      | Top                      | K | 8 | CHIP COIL 33N J Q7/<br>100MHZ     | 33nH                       | ~ | "normal,-5%,+5%"        | 0402_ELJRF     |
| L703 | 3646027      | Top                      | K | 7 | CHIP COIL 33N J Q7/<br>100MHZ     | 33nH                       | ~ | "normal,-5%,+5%"        | 0402_ELJRF     |
| L705 | 3646047      | Top                      | H | 6 | CHIP COIL 3N3 +-0N3 Q28/<br>800M  | 3n3H                       | ~ | "normal,-<br>0n3,+0n3%" | 0402L          |
| L706 | 3646061      | Top                      | I | 6 | CHIP COIL 15N J Q30/800M          | 15nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L707 | 3646067      | Top                      | J | 6 | CHIP COIL 18N J Q29/800M          | 18nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L708 | 3646067      | Top                      | I | 6 | CHIP COIL 18N J Q29/800M          | 18nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L710 | 3646009      | Top                      | H | 5 | CHIP COIL 10N J Q30/800M          | 10nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L711 | 3646061      | Top                      | I | 5 | CHIP COIL 15N J Q30/800M          | 15nH                       | ~ | "normal,-5%,5%"         | 0402L          |
| L712 | 3646051      | Top                      | H | 6 | CHIP COIL 3N9 +-0N3 Q28/<br>800M  | 3n9H                       | ~ | "normal,-<br>0n3,+0n3"  | 0402L          |
| L801 | 4551015      | Top                      | D | 4 | DIR.COUP 897.5/1747.5/<br>1880MHZ | 897.5/<br>1747.5/<br>1880M | ~ | ~                       | COUPLER_LDC15D |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value                |                |   |                        | Type                 |
|------|--------------|--------------------------|---|---|--------------------------------------|----------------|---|------------------------|----------------------|
| L805 | 3203705      | Top                      | E | 4 | FERRITE BEAD 42R/100MHZ              | 42R/<br>100MHz | ~ | ~                      | 0805_FERRITE         |
| L806 | 3646009      | Top                      | H | 5 | CHIP COIL 10N J Q30/800M             | 10nH           | ~ | "normal,-5%,5%"        | 0402L                |
| L807 | 3646059      | Top                      | H | 5 | CHIP COIL 5N6 +-0N3 Q28/<br>800M     | 5n6H           | ~ | "normal,-<br>0n3,+0n3" | 0402L                |
| L808 | 3646059      | Top                      | D | 5 | CHIP COIL 5N6 +-0N3 Q28/<br>800M     | 5n6H           | ~ | "normal,-<br>0n3,+0n3" | 0402L                |
| N150 | 4341221      | Top                      | U | 4 | AF AMP 0.4W/2.6V LM4890<br>USMD9     | ~              | ~ | ~                      | USMD9_AAB            |
| N601 | 4370867      | Top                      | J | 7 | MJÖELNER RF ASIC S2006<br>LFBGA80    | ~              | ~ | ~                      | LFBGA_80             |
| N801 | 4350323      | Top                      | E | 5 | PW AMP PF08125B<br>GSM900/1800/1900  | ~              | ~ | ~                      | PW_AMP_PA_HDE13<br>A |
| R100 | 1620027      | Top                      | U | 2 | RES NETWORK 0W06<br>2X47R J 0404     | 2x47R          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R101 | 1620027      | Top                      | T | 2 | RES NETWORK 0W06<br>2X47R J 0404     | 2x47R          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R102 | 1430812      | Top                      | T | 2 | Resistor 5% 63mW                     | 220k           | ~ | "normal,-5%,5%"        | 0402R                |
| R104 | 1620027      | Top                      | T | 2 | RES NETWORK 0W06<br>2X47R J 0404     | 2x47R          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R107 | 1620105      | Top                      | W | 5 | RES NETWORK 0W06<br>2X2K2 J 0404     | 2x2k2          | ~ | "normal,-5%,5%"        | MNR02_SR             |
| R108 | 1430690      | Top                      | T | 2 | Chipres 0W06 jumper 0402             | 0R             | ~ | "normal,-,-"           | 0402R                |
| R109 | 1430690      | Top                      | U | 2 | Chipres 0W06 jumper 0402             | 0R             | ~ | "normal,-,-"           | 0402R                |
| R132 | 1430690      | Top                      | N | 7 | Chipres 0W06 jumper 0402             | 0R             | ~ | "normal,-,-"           | 0402R                |
| R133 | 1430796      | Top                      | N | 7 | Resistor 5% 63mW                     | 47k            | ~ | "normal,-5%,5%"        | 0402R                |
| R134 | 1430778      | Top                      | N | 7 | Resistor 5% 63mW                     | 10k            | ~ | "normal,-5%,5%"        | 0402R                |
| R150 | 1430804      | Top                      | U | 4 | Resistor 5% 63mW                     | 100k           | ~ | "normal,-5%,5%"        | 0402R                |
| R151 | 1620031      | Top                      | U | 3 | RES NETWORK 0W06<br>2X1K0 J          | 2x1k0          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R152 | 1430778      | Top                      | O | 3 | Resistor 5% 63mW                     | 10k            | ~ | "normal,-5%,5%"        | 0402R                |
| R153 | 1825031      | Top                      | W | 4 | VARISTOR ARRAY<br>2XVWM16V VC50 0405 | 2XVWM1<br>6V   | ~ | ~                      | 0405_2               |
| R156 | 1825031      | Top                      | B | 6 | VARISTOR ARRAY<br>2XVWM16V VC50 0405 | 2XVWM1<br>6V   | ~ | ~                      | 0405_2               |
| R159 | 1620023      | Top                      | U | 2 | RES NETWORK 0W06<br>2X47K J          | 2x47k          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R162 | 1430804      | Top                      | T | 2 | Resistor 5% 63mW                     | 100k           | ~ | "normal,-5%,5%"        | 0402R                |
| R163 | 1430762      | Top                      | T | 2 | Resistor 5% 63mW                     | 2k2            | ~ | "normal,-5%,5%"        | 0402R                |
| R164 | 1430690      | Top                      | T | 3 | Chipres 0W06 jumper 0402             | 0R             | ~ | "normal,-,-"           | 0402R                |
| R165 | 1430796      | Top                      | T | 3 | Resistor 5% 63mW                     | 47k            | ~ | "normal,-5%,5%"        | 0402R                |
| R166 | 1430788      | Top                      | U | 3 | Resistor 5% 63mW                     | 22k            | ~ | "normal,-5%,5%"        | 0402R                |
| R167 | 1620029      | Top                      | V | 3 | RES NETWORK 0W06<br>2X4K7 J          | 2x4k7          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R171 | 1620103      | Top                      | P | 3 | Chipres Array 0W06 J 0404            | 2x22R          | ~ | "normal,-5%,5%"        | 0404_R_SR            |
| R172 | 1430740      | Top                      | U | 3 | Resistor 5% 63mW                     | 330R           | ~ | "normal,-5%,5%"        | 0402R                |

| Item | Product Code | Location Side, Grid ref. |   |        | Description and value                |        |   |                 | Type   |
|------|--------------|--------------------------|---|--------|--------------------------------------|--------|---|-----------------|--------|
| R173 | 1430804      | Top                      | T | 4      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R174 | 1430804      | Top                      | T | 3      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R175 | 1430784      | Top                      | T | 4      | Resistor 5% 63mW                     | 15k    | ~ | "normal,-5%,5%" | 0402R  |
| R176 | 1430804      | Top                      | U | 4      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R177 | 1430800      | Top                      | U | 4      | Resistor 5% 63mW                     | 68k    | ~ | "normal,-5%,5%" | 0402R  |
| R178 | 1430800      | Top                      | U | 5      | Resistor 5% 63mW                     | 68k    | ~ | "normal,-5%,5%" | 0402R  |
| R179 | 1430690      | Top                      | U | 5      | Chipres 0W06 jumper                  | 0R     | ~ | "normal,-,-"    | 0402R  |
| R180 | 1430804      | Top                      | U | 5      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R181 | 1430690      | Top                      | T | 4      | Chipres 0W06 jumper                  | 0R     | ~ | "normal,-,-"    | 0402R  |
| R182 | 1430690      | Top                      | U | 5      | Chipres 0W06 jumper                  | 0R     | ~ | "normal,-,-"    | 0402R  |
| R183 | 1430706      | Top                      | V | 2      | Resistor 5% 63mW                     | 15R    | ~ | "normal,-5%,5%" | 0402R  |
| R200 | 1419003      | Top                      | Q | 5      | CHIPRES 0W5 OR22 J                   | 0R22   | ~ | "normal,-5%,5%" | 1210_R |
| R202 | 1620043      | Top                      | O | 3      | RES NETWORK 0W03<br>4X100K J         | 4x100k | ~ | ~               | EXB28V |
| R220 | 1430770      | Top                      | N | 3      | Resistor 5% 63mW                     | 4k7    | ~ | "normal,-5%,5%" | 0402R  |
| R240 | 1430770      | Top                      | N | 3      | Resistor 5% 63mW                     | 4k7    | ~ | "normal,-5%,5%" | 0402R  |
| R305 | 1430804      | Top                      | O | 3      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R306 | 1430748      | Top                      | O | 7      | Resistor 5% 63mW                     | 680R   | ~ | "normal,-5%,5%" | 0402R  |
| R307 | 1430700      | Top                      | O | 7      | Resistor 5% 63mW                     | 10R    | ~ | "normal,-5%,5%" | 0402R  |
| R308 | 1430748      | Top                      | P | 7      | Resistor 5% 63mW                     | 680R   | ~ | "normal,-5%,5%" | 0402R  |
| R309 | 1430710      | Top                      | P | 8      | Resistor 5% 63mW                     | 22R    | ~ | "normal,-5%,5%" | 0402R  |
| R311 | 1430812      | Top                      | O | 3      | Resistor 5% 63mW                     | 220k   | ~ | "normal,-5%,5%" | 0402R  |
| R350 | 1419009      | Top                      | G | 1      | CHIPRES 0W5 4R7 J                    | 4R7    | ~ | "normal,-5%,5%" | 1210_R |
| R352 | 1430804      | Top                      | A | 6      | Resistor 5% 63mW                     | 100k   | ~ | "normal,-5%,5%" | 0402R  |
| R388 | 4120071      | Top                      | Q | 3      | ASIP EMIF03-SIM01 SIM<br>FILTER BGA8 | ~      | ~ | ~               | uBGA8  |
| R422 | 1430790      | Top                      | N | 6      | Resistor 5% 63mW                     | 27k    | ~ | "normal,-5%,5%" | 0402R  |
| R424 | 1430812      | Top                      | P | 9      | Resistor 5% 63mW                     | 220k   | ~ | "normal,-5%,5%" | 0402R  |
| R425 | 1430726      | Top                      | L | 5      | Resistor 5% 63mW                     | 100R   | ~ | "normal,-5%,5%" | 0402R  |
| R426 | 1430754      | Top                      | N | 2<br>2 | Resistor 5% 63mW                     | 1k0    | ~ | "normal,-5%,5%" | 0402R  |
| R450 | 1430770      | Top                      | T | 5      | Resistor 5% 63mW                     | 4k7    | ~ | "normal,-5%,5%" | 0402R  |
| R601 | 1430758      | Top                      | L | 5      | Resistor 5% 63mW                     | 1k5    | ~ | "normal,-5%,5%" | 0402R  |
| R602 | 1430792      | Top                      | L | 5      | Resistor 5% 63mW                     | 33k    | ~ | "normal,-5%,5%" | 0402R  |
| R603 | 1430784      | Top                      | M | 5      | Resistor 5% 63mW                     | 15k    | ~ | "normal,-5%,5%" | 0402R  |
| R610 | 1430700      | Top                      | M | 6      | Resistor 5% 63mW                     | 10R    | ~ | "normal,-5%,5%" | 0402R  |
| R612 | 1430754      | Top                      | I | 8      | Resistor 5% 63mW                     | 1k0    | ~ | "normal,-5%,5%" | 0402R  |
| R617 | 1430710      | Top                      | J | 8      | Resistor 5% 63mW                     | 22R    | ~ | "normal,-5%,5%" | 0402R  |
| R618 | 1430756      | Top                      | L | 5      | Resistor 5% 63mW                     | 1k2    | ~ | "normal,-5%,5%" | 0402R  |
| R623 | 1430726      | Top                      | K | 6      | Resistor 5% 63mW                     | 100R   | ~ | "normal,-5%,5%" | 0402R  |
| R625 | 1430718      | Top                      | K | 6      | Resistor 5% 63mW                     | 47R    | ~ | "normal,-5%,5%" | 0402R  |
| R626 | 1430846      | Top                      | J | 8      | Resistor 1% 63mW                     | 2k7    | ~ | "normal,-1%,1%" | 0402R  |
| R628 | 1430690      | Top                      | K | 6      | Chipres 0W06 jumper                  | 0R     | ~ | "normal,-,-"    | 0402R  |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value             |                          |   |                 | Type            |
|------|--------------|--------------------------|---|---|-----------------------------------|--------------------------|---|-----------------|-----------------|
| R629 | 1430693      | Top                      | K | 7 | Chipres OW06 5R6 J                | 5R6                      | ~ | "normal,-5%,5%" | 0402R           |
| R630 | 1430740      | Top                      | K | 7 | Resistor 5% 63mW                  | 330R                     | ~ | "normal,-5%,5%" | 0402R           |
| R640 | 1430690      | Top                      | B | 4 | Chipres OW06 jumper               | 0R                       | ~ | "normal,-,-"    | 0402R           |
| R706 | 1430792      | Top                      | J | 6 | Resistor 5% 63mW                  | 33k                      | ~ | "normal,-5%,5%" | 0402R           |
| R707 | 1430784      | Top                      | J | 5 | Resistor 5% 63mW                  | 15k                      | ~ | "normal,-5%,5%" | 0402R           |
| R708 | 1430770      | Top                      | J | 5 | Resistor 5% 63mW                  | 4k7                      | ~ | "normal,-5%,5%" | 0402R           |
| R709 | 1430762      | Top                      | J | 5 | Resistor 5% 63mW                  | 2k2                      | ~ | "normal,-5%,5%" | 0402R           |
| R710 | 1430865      | Top                      | M | 7 | CHIPRES OW06 5K6 F                | 5k6                      | ~ | "normal,-1%,1%" | 0402R           |
| R711 | 1430776      | Top                      | M | 7 | Resistor 5% 63mW                  | 8k2                      | ~ | "normal,-5%,5%" | 0402R           |
| R713 | 1620065      | Top                      | L | 6 | RES NETWORK OW06 4X5K6 J          | 4x5.6k                   | ~ | "normal,-5%,5%" | MNR04           |
| R717 | 1620105      | Top                      | L | 6 | RES NETWORK OW06 2X2K2 J          | 2x2k2                    | ~ | "normal,-5%,5%" | MNR02_SR        |
| R718 | 1430778      | Top                      | M | 6 | Resistor 5% 63mW                  | 10k                      | ~ | "normal,-5%,5%" | 0402R           |
| R720 | 1430724      | Top                      | I | 6 | Resistor 5% 63mW                  | 82R                      | ~ | "normal,-5%,5%" | 0402R           |
| R721 | 1430724      | Top                      | I | 6 | Resistor 5% 63mW                  | 82R                      | ~ | "normal,-5%,5%" | 0402R           |
| R725 | 1430728      | Top                      | J | 6 | Resistor 5% 63mW                  | 120R                     | ~ | "normal,-5%,5%" | 0402R           |
| R726 | 1430728      | Top                      | I | 6 | Resistor 5% 63mW                  | 120R                     | ~ | "normal,-5%,5%" | 0402R           |
| R730 | 1430693      | Top                      | M | 9 | Chipres OW06 5R6 J                | 5R6                      | ~ | "normal,-5%,5%" | 0402R           |
| R731 | 1620507      | Top                      | L | 8 | RES NETWORK OW04 3DB ATT          | 292R/<br>17R6/<br>292R   | ~ | ~               | 0404_RAC10      |
| R801 | 1430770      | Top                      | D | 4 | Resistor 5% 63mW                  | 4k7                      | ~ | "normal,-5%,5%" | 0402R           |
| R802 | 1430726      | Top                      | J | 5 | Resistor 5% 63mW                  | 100R                     | ~ | "normal,-5%,5%" | 0402R           |
| R803 | 1430718      | Top                      | C | 5 | Resistor 5% 63mW                  | 47R                      | ~ | "normal,-5%,5%" | 0402R           |
| R804 | 1430770      | Top                      | D | 3 | Resistor 5% 63mW                  | 4k7                      | ~ | "normal,-5%,5%" | 0402R           |
| R805 | 1620513      | Top                      | G | 4 | RES NETWORK OW04 5DB ATT          | 178R5/<br>30R4/<br>178R5 | ~ | ~               | 0404_RAC10      |
| R806 | 1620507      | Top                      | I | 5 | RES NETWORK OW04 3DB ATT          | 292R/<br>17R6/<br>292R   | ~ | ~               | 0404_RAC10      |
| R817 | 1430754      | Top                      | G | 5 | Resistor 5% 63mW                  | 1k0                      | ~ | "normal,-5%,5%" | 0402R           |
| R818 | 1430726      | Top                      | G | 4 | Resistor 5% 63mW                  | 100R                     | ~ | "normal,-5%,5%" | 0402R           |
| R819 | 1620507      | Top                      | G | 6 | RES NETWORK OW04 3DB ATT          | 292R/<br>17R6/<br>292R   | ~ | ~               | 0404_RAC10      |
| R820 | 1430754      | Top                      | G | 5 | Resistor 5% 63mW                  | 1k0                      | ~ | "normal,-5%,5%" | 0402R           |
| R821 | 1430726      | Top                      | G | 5 | Resistor 5% 63mW                  | 100R                     | ~ | "normal,-5%,5%" | 0402R           |
| R822 | 1430766      | Top                      | H | 5 | Resistor 5% 63mW                  | 3k9                      | ~ | "normal,-5%,5%" | 0402R           |
| R823 | 1430732      | Top                      | H | 5 | Resistor 5% 63mW                  | 180R                     | ~ | "normal,-5%,5%" | 0402R           |
| S300 | 5209001      | Top                      | A | 3 | SM SW TACT SPST 12V 50MA SIDE KEY | ~                        | ~ | ~               | BUTTON_EVQPUA02 |
| S301 | 5209001      | Top                      | G | 9 | SM SW TACT SPST 12V 50MA SIDE KEY | ~                        | ~ | ~               | BUTTON_EVQPUA02 |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value             |   |   |   | Type              |
|------|--------------|--------------------------|---|---|-----------------------------------|---|---|---|-------------------|
| S302 | 5209001      | Top                      | I | 9 | SM SW TACT SPST 12V 50MA SIDE KEY | ~ | ~ | ~ | BUTTON_EVQPUA02   |
| T701 | 4550191      | Top                      | H | 6 | TRANSF BALUN 1800+- 100MHZ 2X1.25 | ~ | ~ | ~ | TRANS_LDB213      |
| T702 | 4550179      | Top                      | L | 7 | BALUN TRANS 3.7GHZ+/- 300MHZ 0805 | ~ | ~ | ~ | TRANS_LDB15       |
| V100 | 4113669      | Top                      | W | 2 | ZDIX4 TVS/ESD RSA6.1EN 6V1 SOT353 | ~ | ~ | ~ | SOT323_5L         |
| V101 | 4113721      | Top                      | U | 5 | TVS DI 1PMT16AT3 16V 175W PWRMITE | ~ | ~ | ~ | CASE_457          |
| V130 | 0630271      | Top                      | J | 3 | BLUETOOTH LRB-2 MCM PHONE 26X13X2 | ~ | ~ | ~ | BT102_X_BLUETOOTH |
| V131 | 4219941      | Top                      | N | 7 | TRX2+RX4 RN4906 N&P 4.7k/47k US6  | ~ | ~ | ~ | SOT_363           |
| V150 | 4210121      | Top                      | U | 4 | TR PMST6429 N 45V HFE<1250 SOT323 | ~ | ~ | ~ | SOT323_H1.1       |
| V151 | 4210121      | Top                      | S | 3 | TR PMST6429 N 45V HFE<1250 SOT323 | ~ | ~ | ~ | SOT323_H1.1       |
| V152 | 4211621      | Top                      | T | 3 | MFETX2 FDG6322C BIP.REPLAC SOT363 | ~ | ~ | ~ | SOT_363           |
| V153 | 4211631      | Top                      | T | 4 | MFETX2 UM6K1N N 30V 0.1A 7R SC-88 | ~ | ~ | ~ | UMT6              |
| V300 | 4864549      | Top                      | M | 2 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V301 | 4864549      | Top                      | M | 4 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V302 | 4864549      | Top                      | M | 6 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V303 | 4864549      | Top                      | M | 8 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V304 | 4864549      | Top                      | Q | 4 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V305 | 4864549      | Top                      | Q | 6 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V306 | 4864549      | Top                      | T | 3 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V307 | 4864549      | Top                      | T | 6 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V308 | 4864549      | Top                      | V | 3 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V309 | 4864549      | Top                      | V | 6 | LED CL260WBTR WHITE 10MA 1305     | ~ | ~ | ~ | LED_CL_260YG      |
| V310 | 4110475      | Top                      | O | 7 | SCH DI RB521S-30 200MA 35V SOD523 | ~ | ~ | ~ | EMD2              |
| V311 | 4219937      | Top                      | O | 7 | TRX2 UMT1/PUMT1 P40V100MA SOT363  | ~ | ~ | ~ | SOT_363           |
| V312 | 4110475      | Top                      | P | 8 | SCH DI RB521S-30 200MA 35V SOD523 | ~ | ~ | ~ | EMD2              |

| Item | Product Code | Location Side, Grid ref. |   |   | Description and value                  |                              |   |   | Type                    |
|------|--------------|--------------------------|---|---|--|------------------------------|---|---|-------------------------|
| V313 | 4219937      | Top                      | Q | 8 | TRX2 UMT1/PUMT1<br>P40V100MA SOT363    | ~                            | ~ | ~ | SOT_363                 |
| V350 | 4210043      | Top                      | A | 6 | TR DTC143ZE RB=4K7<br>RBE=47K EM3      | ~                            | ~ | ~ | EM3                     |
| V351 | 4860151      | Top                      | A | 5 | IRDA CIM-93M4 9K6-<br>1M152 BABYFACE   | ~                            | ~ | ~ | CIM_93M4_T              |
| V601 | 4210100      | Top                      | M | 5 | Tr NPN 30V 100mA 100MHz<br>SOT323      | ~                            | ~ | ~ | SOT323_23               |
| V801 | 4115821      | Top                      | D | 4 | SCH DIX2 HSMS282C 15V<br><1PF SOT323   | ~                            | ~ | ~ | SOT323                  |
| V802 | 4210171      | Top                      | H | 5 | TR NE68119 ***RESERVED<br>HDB12***     | ~                            | ~ | ~ | SC75                    |
| X100 | 5469061      | Top                      | X | 5 | SM SYSTEM CONN<br>6AF+3DC+MIC+JACK     | ~                            | ~ | ~ | SYS_CON_DCT3            |
| X101 | 5400239      | Top                      | F | 2 | SM BATTERY CONNECTOR<br>HDB13          | ~                            | ~ | ~ | CONN_BATT_C96_VG<br>2   |
| X102 | 5400239      | Top                      | F | 7 | SM BATTERY CONNECTOR<br>HDB13          | ~                            | ~ | ~ | CONN_BATT_C96_VG<br>2   |
| X386 | 5409145      | Top                      | R | 4 | SM SIM CONN 2X3POL<br>P2.54 H1.95      | ~                            | ~ | ~ | SIMBLOCK_MC707          |
| X600 | 9510946      | Top                      | B | 2 | SPRING CLIP DMD08892<br>HDB-13         | ~                            | ~ | ~ | ANT_CLIP_M3E14601       |
| X601 | 9510946      | Top                      | C | 2 | SPRING CLIP DMD08892<br>HDB-13         | ~                            | ~ | ~ | ANT_CLIP_M3E14601       |
| X602 | 5400233      | Top                      | D | 2 | SM COAX RF CONNECTOR                   | ~                            | ~ | ~ | COAX_SWITCH             |
| Z300 | 4120031      | Top                      | Q | 8 | EMI/ESD FILT EMIF10-<br>1K010F1 BGA24  | ~                            | ~ | ~ | uBGA24                  |
| Z601 | 4550177      | Top                      | C | 4 | DIPL+3SW880-960/1710-<br>1990MHZ 7X5.3 | 880-960/<br>1710-<br>1990MHz | ~ | ~ | ANT_SW_LM_T118S1<br>E2  |
| Z602 | 4511313      | Top                      | H | 6 | SAW FILT 1842.5+-<br>37.5MHZ 2.5X2.0   | 1842.5MHz                    | ~ | ~ | FILTER_SAW_DCS6I        |
| Z603 | 4511325      | Top                      | H | 7 | SAW FILT 1960+-30MHZ/<br>4DB 2.5X2.0   | 1960MHz                      | ~ | ~ | FILTER_SAW_SX_B19<br>5E |
| Z604 | 4511279      | Top                      | H | 7 | SAW FILT 942.5+-17.5MHZ/<br>3.5 2.5X2  | 942.5MHz                     | ~ | ~ | FILTER_SAW_SAFSD        |
| Z701 | 4511311      | Top                      | I | 5 | SAW FILT 897.5+-17.5MHZ/<br>3.5 2.5X2  | 897.5MHz                     | ~ | ~ | FILTER_SAW_DCS6I        |

## Mechanical components

| Item | Product Code | Description                      | Region                              | Type             |
|------|--------------|----------------------------------|-------------------------------------|------------------|
| 1    | 5140225      | Microphone with (white) boot     |                                     |                  |
| 2    | 5140209      | Buzzer                           |                                     |                  |
| 3    | 5140233      | Speaker                          |                                     |                  |
| 4    | 9458087      | B-cover assy (all regions)       |                                     |                  |
| 5    | 9790412      | On / off key                     |                                     |                  |
| 6    | 9790385      | Volume key                       |                                     |                  |
| 7    | 9430274      | Logo Badge                       | EURAF /APAC only<br>not in AMERICAS | DMC02445-EN      |
| 8    | 9451139      | Dust cap                         |                                     | DMD02859 NHE-3NX |
| 9    | 4850163      | Display assy                     |                                     |                  |
| 10   | 0660251      | Antenna                          |                                     |                  |
| 11   | 6150025      | Screw                            |                                     |                  |
| 12   | 9517093      | PA shield lid                    |                                     |                  |
| 13   | 9517087      | RF shield lid                    |                                     |                  |
| 14   | 9517081      | BB shield lid                    |                                     |                  |
| 15   | 9517073      | BB shield assy                   | not in AMERICAS                     | DMC03193 HDB-13  |
| 16   | 9517085      | PA shield assy                   | not in AMERICAS                     | DMC03188 HDB-13  |
| 17   | 9517086      | RF shield assy                   | not in AMERICAS                     | DMC03192 HDB-13  |
| 18a  | 9451928      | A-cover assy, Jet Black          | EURAF / APAC                        |                  |
| 18b  | 9452190      | A-cover assy, Mistral Beige      | EURAF / APAC                        |                  |
| 18c  | 9452222      | A-cover assy, Lightening Silver  | EURAF / APAC                        |                  |
| 18d  | 9452223      | A-cover assy, Jet Black          | AMERICAS                            |                  |
| 18e  | 9452224      | A-cover assy, Mistral Beige      | AMERICAS                            |                  |
| 18f  | 9452342      | A-cover assy, Lightening Silver  | AMERICAS                            |                  |
| 19   | 9370602      | Co-label, Digital                | AMERICAS                            | DMC04316         |
| 20   | 9381229      | Type label (Role)                | EURAF /APAC only<br>not in AMERICAS |                  |
| 21   | 9380529      | Continuous sheet 40 (single sht) | AMERICAS and EURAF / APAC           |                  |
| 22a  | 9790664      | Keymat Latin, Gold               |                                     |                  |
| 22b  | 9790666      | Keymat Latin, Grey               |                                     |                  |
| 22c  | 9790667      | Keymat Cyrillic, Gold            |                                     |                  |
| 22d  | 9790718      | Keymat Cyrillic, Grey            |                                     |                  |
| 22e  | 9790668      | Keymat Arabic, Gold              |                                     |                  |
| 22f  | 9790679      | Keymat Arabic, Grey              |                                     |                  |
| 22g  | 9790669      | Keymat Hebrew, Gold              |                                     |                  |
| 22h  | 9790672      | Keymat Greek, Gold               |                                     |                  |
| 22j  | 9790671      | Keymat Greek, Grey               |                                     |                  |