

| Designator   | Comment        | Description   | Quantity | Manufacturer 1                           | Manufacturer Part Number 1 | Part Substitution Allowed? |
|--|----------------|---|----------|--|----------------------------|----------------------------|
| C1   | 1uF            | 1uF 0603 ceramic capacitor  | 1        | Murata Electronics North America         | GRM188R61A105KA61D         |                            |
| C2, C6, C30  | 2.2uF          | 2.2uF 0603  | 3        | Murata                                   | GRM188R71A225KE15J         |                            |
| C3, C4, C8, C9, C12, C13, C14, C25, C27, C29, C31, C32, C33, C35             | 1000pF         | 1000pF 0402   | 14       | Murata                                   | GRM1555C1H102JA01D         |                            |
| C10, C11   | 10pF           | 10pF 0402   | 2        | Murata                                   | GJM1555C1H100FB01D         |                            |
| C15, C22, C45, C46, C47, C48, R2, R9, R11, R13, R15, R21, R23, R24, R25, R27 | NO LOAD        | 10pF 0402, 0402 Cap No Load, Generic Capacitor, NO LOAD RESISTOR 0402, Resistor Generic | 16       | Murata, Murata Electronics North America | GJM1555C1H100FB01D         |                            |
| C17  | 0.2pF          | 0.2pF 0402  | 1        | Murata                                   | GJM1555C1HR20BB01D         | No                         |
| C18  | 0.9pF          | 0.9pF 0402  | 1        | Murata                                   | GJM1555C1HR90BB01D         | No                         |
| C20  | 0.5pF          | 0.5pF 0402  | 1        | Murata Electronics North America         | GJM1555C1HR50BB01D         | No                         |
| C26, C28, C36  | 15pF           | 15pF 0402   | 3        | Murata                                   | GJM1555C1H150FB01D         |                            |
| C34  | 1nF            | 1000pF 0402   | 1        | Murata                                   | GRM1555C1H102JA01D         |                            |
| DC1  | 10dB Coupler   | Anaren 1700 - 2200 MHz 0805 10dB Coupler  | 1        | Anaren                                   | DC1722J5010AHF             | No                         |
| DC2  | BDCN-7-25+     | Mini Circuits Directional Coupler   | 1        | Mini-Circuits                            | BDCN-7-25+                 | No                         |
| FT1, FT2   | Bead           | Bead  | 2        | Murata                                   | BLM18AG121SN1D             | No                         |
| FT3  | Bead           | Bead 0402 470 ohm   | 1        | Murata                                   | BLM15BD471SN1D             | No                         |
| L1   | 18nH           | 18nH  | 1        | Taiyo Yuden                              | HK100518NJ-T               | No                         |
| L2, L3   | 5.6nH          | 5.6nH   | 2        | Taiyo Yuden                              | HK10055N6S-T               | No                         |
| L4   | 3.3nH          | 3.3nH   | 1        | Taiyo Yuden                              | HK10053N3S-T               | No                         |
| L5, L6   | 1.2nH          | 1.2nH   | 2        | Taiyo Yuden                              | HK10051N2S-T               | No                         |
| L7   | 8.2nH          | 8.2nH   | 1        | Taiyo Yuden                              | HK10058N2J-T               | No                         |
| L8, L9   | 2.2nH          | 2.2nH   | 2        | Taiyo Yuden                              | HK10052N2S-T               | No                         |
| PCB  | DB1900_RevA    | Printed Circuit Board   | 1        |  | DB1900_RevA                |                            |
| R1   | 10k            | 10k Ohm 0402  | 1        | Yageo                                    | RC0402FR-0710KL            |                            |
| R8, R14, R17, R26, R102  | 0 Ohm          | 0 Ohm 0402  | 5        | Yageo                                    | RC0402JR-070RL             |                            |
| R10, R16   | 49.9Ohm        | 49.9Ohm 0402  | 2        | KOA Speer                                | RK73H1ELTP49R9F            |                            |
| R12  | 12.4k 1%       | 12.4k Ohm 0402  | 1        | Panasonic Electronic Components          | ERJ-2RKF1242X              |                            |
| R22  | 0Ohm           | 0Ohm 0201   | 1        | Yageo                                    | RC0201JR-070RL             |                            |
| T1, T2, T3   | BAL 50 - 100   | Anaren 1700 - 2200 MHz 50Ohm UnBal - 100 Dif Balun                                      | 3        | Anaren                                   | BD1722J50100A00            | No                         |
| U5   | SC1905         | SC1905: Adaptive RF Power Amplifier Linearizer  | 1        | Maxim Integrated                         | SC1905                     |                            |
| U2   | 2ns delay line | Anaren Delay Line 2ns   | 1        | Anaren                                   | XDL15-2-020S               | No                         |
| Y1   | 278-20.0M-20-W | Crystal 20MHz 278-20.0M-20-W  | 1        | Oscilent                                 | 278-20.0M-20-W             |                            |