

B - PA350/PA500 Parts List**Main PCB Assembly Parts****Denotes location not used in PA350*

| Ref. | Description | Part Number |
|-------|-------------------------------------|--------------|
| C1 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C8 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C9 | Capacitor Ceramic 220P 5% 500V 100B | 46/3100/220P |
| C10 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C11 | Capacitor Ceramic 220P 5% 500V 100B | 46/3100/220P |
| C12 | Capacitor 91P 5% 250V MC Mica | 48/3002/091P |
| C13 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C14 | Capacitor 6.8U 20% 25V Solid AL | 41/2225/06U8 |
| C15 * | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C22 * | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C23 * | Capacitor Ceramic 220P 5% 500V 100B | 46/3100/220P |
| C24 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C25 * | Capacitor Ceramic 220P 5% 500V 100B | 46/3100/220P |
| C26 * | Capacitor 91P 5% 250V MC Mica | 48/3002/091P |
| C27 * | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C28 * | Capacitor 6.8U 20% 25V Solid AL | 41/2225/06U8 |
| C29 | Capacitor 10P 5% 63V NPO SM1206 | 46/3300/010P |
| C30 | Capacitor 10P 5% 63V NPO SM1206 | 46/3300/010P |
| C31 | Capacitor 100P 5% 63V NPO 1206 | 46/3300/100P |
| C32 | Capacitor 100P 5% 63V NPO 1206 | 46/3300/100P |
| C33 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C34 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C35 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C36 | Capacitor 10N 10% 50V X7R Rad.2 | 46/2001/010N |
| C37 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C43 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C44 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C45 | Capacitor 100N 10% 50V X7R RD.2 | 46/2001/100N |
| C46 | Capacitor 10U 35V Rad Electro | 41/2001/010U |
| C47 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C48 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C49 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C50 | Capacitor 27P 2% 100V NPO Rad.1 | 45/2680/027P |
| C51 | Capacitor 10N 10% 50V X7R Rad.2 | 46/2001/010N |
| C52 * | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C53 * | Capacitor 100N 10% 63V X7R 1206 | 46/3310/100N |
| C54 | Capacitor 100N 10% 63V X7R 1206 | 46/3310/100N |
| C55 | Capacitor 1N0 5% 63V NPO SM1206 | 46/3300/01N0 |
| C57 * | Capacitor Ceramic 56P 5% 500V 100B | 46/3100/056P |
| C59 * | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| D1 | Diode Schottkey BAT17 SOT23 | 21/3030/0017 |
| D2 | Diode Schottkey BAT17 SOT23 | 21/3030/0017 |
| D5 | Diode Silicon 1N4148 | 21/1010/4148 |
| L1 | Inductor 1uH Axial | 37/2021/001U |
| L2 | Inductor Moulded 7.5 Turn | 37/2021/0007 |
| L3 | Inductor Moulded 7.5 Turn | 37/2021/0007 |
| L4 | Ferrite Bead 3x4x1 4S2 | 37/1022/0001 |
| L5 | Inductor 6 Hole Ferrite RFC | 37/1021/0001 |
| L6 * | Inductor 1uH Axial | 37/2021/001U |
| L7 * | Inductor Moulded 7.5 Turn | 37/2021/0007 |
| L8 * | Inductor Moulded 7.5 Turn | 37/2021/0007 |

| Ref. | Description | Part Number |
|---------|----------------------------------|----------------|
| L9 * | Ferrite Bead 3x4x1 4S2 | 37/1022/0001 |
| L10 * | Inductor 6 Hole Ferrite RFC | 37/1021/0001 |
| L11 | Inductor 1U0 10% Choke SM1206 | 37/3320/01U0 |
| P1 | 6.35mm QC Tab Vertical PCB MT | 35/0635/0001 |
| P3 | 6.35mm QC Tab Vertical PCB MT | 35/0635/0001 |
| P4 | Connector 16 Way Shrouded Header | 35/2502/0016 |
| Q1 | Transistor NPN 50W RF MRF650 | 27/3020/MRF650 |
| Q2 * | Transistor NPN 50W RF MRF650 | 27/3020/MRF650 |
| Q3 | Transistor GP NPN 2N3904 TO92 | 27/2020/3904 |
| Q4 | Transistor GP PNP 2N3906 TO92 | 27/2010/3906 |
| Q5 | Transistor GP NPN 2N3904 TO92 | 27/2020/3904 |
| R3 | Resistor 10R 5% 0.25W Axial | 51/1040/0010 |
| R4 | Resistor 10R 5% 0.25W Axial | 51/1040/0010 |
| R7 * | Resistor 10R 5% 0.25W Axial | 51/1040/0010 |
| R8 * | Resistor 10R 5% 0.25W Axial | 51/1040/0010 |
| R9 * | Resistor 100 Ohm 40W RF | 51/RF40/0100 |
| R10 * | Resistor 100 Ohm 40W RF | 51/RF40/0100 |
| R11 | Resistor 220R 5% 0.25W SM1206 | 51/3380/0220 |
| R12 | Resistor 220R 5% 0.25W SM1206 | 51/3380/0220 |
| R13 | Resistor 220R 5% 0.25W SM1206 | 51/3380/0220 |
| R14 | Resistor 220R 5% 0.25W SM1206 | 51/3380/0220 |
| R15 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| R16 | Resistor 100K 5% 0.25W Axial | 51/1040/100K |
| R17 | Resistor 1K0 5% 0.25W Axial | 51/1040/01K0 |
| R18 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| R19 | Resistor 100K 5% 0.25W Axial | 51/1040/100K |
| R20 | Resistor 1K0 5% 0.25W Axial | 51/1040/01K0 |
| R21 | Resistor 100R 5% 0.25W Axial | 51/1040/0100 |
| R23 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| R24 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R25 | Resistor 1M0 5% 0.25W Axial | 51/1040/01M0 |
| R26 | Resistor 100K 5% 0.25W Axial | 51/1040/100K |
| R27 * | Resistor 0.1R 5% 10W ASW 10 | 51/0010/00R1 |
| R28 | Resistor 0.1R 5% 10W ASW 10 | 51/0010/00R1 |
| R29 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R30 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R31 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R32 | Resistor 270R 5% 0.25W Axial | 51/1040/0270 |
| R33 | Resistor 270R 5% 0.25W Axial | 51/1040/0270 |
| R34 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R35 | Resistor 2K2 5% 0.25W Axial | 51/1040/02K2 |
| R36 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R37 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R38 | Resistor 10K 5% 0.25W Axial | 51/1040/010K |
| R39 | Resistor 680R 5% 0.25W Axial | 51/1040/0680 |
| R40 | Resistor 33K 5% 0.25W Axial | 51/1040/033K |
| R41(P2) | Resistor 100R 5% 0.25W Axial | 51/1040/100R |
| RT1 | Thermistor | 54/0400/0080 |
| RV1 | Trimpot 10K 1 Turn Vertical | 53/1020/010K |
| RV2 | Trimpot 10K 1 Turn Vertical | 53/1020/010K |
| U1 | IC Quad OP Amplifier TLC274 | 25/2050/274C |
| U2 | IC Volt Regulator 78L08 TO92M | 25/2040/78L08 |

| Ref. | Description | Part Number |
|-----------------------------------|---------------------------------|--------------|
| PA350A 360 - 380 MHz Parts | | |
| C4 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C5 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C6 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C7 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C19 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C38 | Capacitor 10N 5% 50V MKT Rad.2 | 47/2007/10N |
| C39 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C40 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C41 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C42 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C58 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C60 | Capacitor Trim 2-10P HI-TMP FLM | 49/3001/010P |
| CX1 | RFT CoaxialResonator | 37/9105/0001 |
| CX3 | RFT CoaxialResonator | 37/9105/0001 |
| R22 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| L12 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L13 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L14 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| PA350B 375 - 400 MHz Parts | | |
| C4 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C5 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C6 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C7 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C38 | Capacitor 10N 5% 50V MKT Rad.2 | 47/2007/10N |
| C39 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C40 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C41 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C42 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C58 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C60 | Capacitor Trim 2-10P HI-TMP FLM | 49/3001/010P |
| CX1 | RFT CoaxialResonator | 37/9105/0001 |
| CX3 | RFT CoaxialResonator | 37/9105/0001 |
| R22 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| L12 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L13 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L14 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| PA350C 330 - 365 MHz Parts | | |
| C4 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C5 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C6 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C7 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C19 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C38 | Capacitor 10N 5% 50V MKT Rad.2 | 47/2007/10N |
| C39 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C40 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C41 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C42 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C58 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C60 | Capacitor Trim 2-10P HI-TMP FLM | 49/3001/010P |
| CX1 | RFT CoaxialResonator | 37/9105/0001 |
| CX3 | RFT CoaxialResonator | 37/9105/0001 |
| R22 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| L12 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L13 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L14 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |

| Ref. | Description | Part Number |
|-----------------------------------|---------------------------------|--------------|
| PA350D 300 - 330 MHz Parts | | |
| C4 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C5 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C6 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C7 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C19 | Capacitor 33P 5% 250V MC Mica | 48/3002/033P |
| C38 | Capacitor 10N 5% 50V MKT Rad.2 | 47/2007/10N |
| C39 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C40 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C41 | Capacitor 13P 5% 250V MC Mica | 48/3002/013P |
| C42 | Capacitor 4P3 5% 250V MC Mica | 48/3002/04P3 |
| C58 | Capacitor 36P 5% 250V MC Mica | 48/3002/036P |
| C60 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| CX1 | RFT CoaxialResonator | 37/9105/0001 |
| CX3 | RFT CoaxialResonator | 37/9105/0001 |
| R22 | Resistor 47K 5% 0.25W Axial | 51/1040/047K |
| L12 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L13 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |
| L14 | Hairpin, 7.4Dx 20Lx 1.0 | 37/3002/20DO |

PA500A 400 - 430 MHz Parts

| | | |
|-----|---------------------------------|--------------|
| C4 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C5 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C6 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C7 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C18 | Capacitor 56P 5% 250V MC Mica | 48/3002/056P |
| C19 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C20 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C21 | Capacitor 47P 5% 250V MC Mica | 48/3002/047P |
| C38 | Capacitor 100N 5% 50V MKT Rad.2 | 47/2007/100N |
| C39 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| C40 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C41 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C42 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| C58 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| C60 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| C61 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| CX1 | 70 Ohm Coaxial Assembly A400 | 12/0002/A400 |
| CX2 | 70 Ohm Coaxial Assembly A400 | 12/0002/A400 |
| CX3 | 70 Ohm Coaxial Assembly A400 | 12/0002/A400 |
| CX4 | 70 Ohm Coaxial Assembly A400 | 12/0002/A400 |
| L12 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| L13 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| L14 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| R22 | Resistor 33K 5% 0.25W Axial | 51/1040/033K |

PA500B 450 - 520 MHz Parts

| | | |
|-----|---------------------------------|--------------|
| C4 | Capacitor 36P 5% 250V MC Mica | 48/3002/036P |
| C5 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C6 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C7 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C18 | Capacitor 36P 5% 250V MC Mica | 48/3002/036P |
| C19 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C20 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C21 | Capacitor 39P 5% 250V MC Mica | 48/3002/039P |
| C38 | Capacitor 100N 5% 50V MKT Rad.2 | 47/2007/100N |

| Ref. | Description | Part Number |
|-------------|---------------------------------|--------------------|
| C39 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| C40 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C41 | Capacitor 10P 5% 250V MC Mica | 48/3002/010P |
| C42 | Capacitor 3P3 5% 250V MC Mica | 48/3002/03P3 |
| C58 | Capacitor Trim 2-18P HI-TMP FLM | 49/3001/018P |
| CX1 | 70 Ohm Coaxial Assembly A450 | 12/0002/A450 |
| CX2 | 70 Ohm Coaxial Assembly A450 | 12/0002/A450 |
| CX3 | 70 Ohm Coaxial Assembly A450 | 12/0002/A450 |
| CX4 | 70 Ohm Coaxial Assembly A450 | 12/0002/A450 |
| L12 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| L13 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| L14 | Hairpin, 7.4Dx 15Lx 1.0 | 37/3002/15DO |
| R22 | Resistor 33K 5% 0.25W Axial | 51/1040/033K |