

## SYNTHESIZER section

DRAW No.8665531B  
REF.NO. LOC

MODEL SYNTHESIZER (TR-1529) 70-1491B

| REF.NO. | LOC |           |     | DESCRIPTION   | PARTS CODE | SIZE |
|---------|-----|-----------|-----|---------------|------------|------|
| C701    | T   | C.CERAMIC | 50V | 47 PF+-10%    | CCG0566    | 1    |
| C702    | T   | C.CERAMIC | 50V | 10 PF+-10%    | CCG0553    | 1    |
| C703    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C705    | B   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C706    | T   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C707    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C710    | T   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C711    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C712    | B   | C.CERAMIC | 50V | 0.1 PF+-10%   | CCG9532    | 2    |
| C713    | T   | C.PLASTIC | 50V | 1 UF+-5%      | CQM0454    |      |
| C714    | B   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C715    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C716    | B   | C.CERAMIC | 50V | 0.1 PF+-10%   | CCG9532    | 2    |
| C720    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C721    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C722    | B   | C.CERAMIC | 50V | 1 PF+-10%     | CCG0572    | 1    |
| C723    | T   | C.CERAMIC | 50V | 4 PF+-10%     | CCG0547    | 1    |
| C724    | B   | C.CERAMIC | 50V | 2 PF+-10%     | CCG0573    | 1    |
| C725    | B   | C.CERAMIC | 50V | 220 PF+-10%   | CCG0562    | 1    |
| C726    | B   | C.CERAMIC | 50V | 8 PF+-10%     | CCG0551    | 1    |
| C727    | B   | C.CERAMIC | 50V | 3 PF+-10%     | CCG0570    | 1    |
| C728    | B   | C.CERAMIC | 50V | 2 PF+-10%     | CCG0573    | 1    |
| C729    | T   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C730    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C732    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C733    | T   | C.CERAMIC | 50V | 4 PF+-10%     | CCG0547    | 1    |
| C734    | T   | C.CERAMIC | 50V | 10 PF+-10%    | CCG0553    | 1    |
| C735    | T   | C.CERAMIC | 50V | 10 PF+-10%    | CCG0553    | 1    |
| C736    | B   | C.CERAMIC | 50V | 2 PF+-10%     | CCG0573    | 1    |
| C737    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C738    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C739    | T   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C740    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C743    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C744    | T   | C.CERAMIC | 50V | 12 PF+-10%    | CCG0555    | 1    |
| C745    | T   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C746    | B   | C.CERAMIC | 16V | 22000 PF+-10% | CCG0689    | 1    |
| C747    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C748    | T   | C.CERAMIC | 50V | 12 PF+-10%    | CCG0555    | 1    |
| C749    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C750    | T   | C.CERAMIC | 25V | 1000 PF+-10%  | CCE0112    | 7    |
| C751    | B   | C.CERAMIC | 50V | 180 PF+-10%   | CCG0560    | 1    |
| C752    | B   | C.CERAMIC | 50V | 2 PF+-10%     | CCG0573    | 1    |
| C753    | B   | C.CERAMIC | 50V | 33 PF+-10%    | CCG0564    | 1    |
| C754    | T   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C756    | B   | C.CERAMIC | 50V | 8 PF+-10%     | CCG0551    | 1    |
| C757    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C758    | T   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |
| C759    | B   | C.CERAMIC | 50V | 2 PF+-10%     | CCG0573    | 1    |
| C760    | B   | C.CERAMIC | 50V | 1000 PF+-10%  | CCG0574    | 1    |

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| REF.NO. | LOC |           |       | DESCRIPTION   | PARTS CODE | SIZE |
|---------|-----|-----------|-------|---------------|------------|------|
| C761    | T   | C.CERAMIC | 50V   | 0.1 PF+-10%   | CCG9532    | 2    |
| C762    | T   | C.CERAMIC | 50V   | 12 PF+-10%    | CCG0555    | 1    |
| C763    | T   | C.AL ELYC | 16V   | 100 UF+-20%   | 2COS008111 |      |
| C764    | T   | C.CERAMIC | 50V   | 0.1 PF+-10%   | CCG9532    | 2    |
| C765    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C766    | T   | C.CERAMIC | 50V   | 12 PF+-10%    | CCG0555    | 1    |
| C767    | T   | C.CERAMIC | 25V   | 1000 PF+-10%  | CCE0112    | 7    |
| C768    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C769    | T   | C.CERAMIC | 50V   | 8 PF+-10%     | CCG0551    | 1    |
| C771    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C772    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C773    | B   | C.CERAMIC | 50V   | 8 PF+-10%     | CCG0551    | 1    |
| C774    | T   | C.CERAMIC | 25V   | 1000 PF+-10%  | CCE0112    | 7    |
| C775    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C777    | B   | C.CERAMIC | 50V   | 0.1 PF+-10%   | CCG9532    | 2    |
| C778    | B   | C.CERAMIC | 50V   | 220 PF+-10%   | CCG0562    | 1    |
| C780    | B   | C.CERAMIC | 50V   | 10000 PF+-10% | CCG0575    | 1    |
| C784    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| C785    | B   | C.CERAMIC | 50V   | 10000 PF+-10% | CCG0575    | 1    |
| C787    | B   | C.CERAMIC | 50V   | 1000 PF+-10%  | CCG0574    | 1    |
| R701    | T   | R.METAL   | 1/16W | 220 OHM+-5%   | RME1801    | 1    |
| R702    | B   | R.METAL   | 1/16W | 22 OHM+-5%    | RME1789    | 1    |
| R703    | T   | R.METAL   | 1/16W | 22 OHM+-5%    | RME1789    | 1    |
| R704    | B   | R.METAL   | 1/16W | 1.5K OHM+-5%  | RME1811    | 1    |
| R705    | B   | R.METAL   | 1/16W | 1.2K OHM+-5%  | RME1810    | 1    |
| R706    | T   | R.METAL   | 1/16W | 4.7K OHM+-5%  | RME1817    | 1    |
| R707    | B   | R.METAL   | 1/16W | 4.7K OHM+-5%  | RME1817    | 1    |
| R708    | B   | R.METAL   | 1/16W | 47K OHM+-5%   | RME1829    | 1    |
| R709    | B   | R.METAL   | 1/16W | 1K OHM+-5%    | RME1809    | 1    |
| R710    | B   | R.METAL   | 1/16W | 680 OHM+-5%   | RME1807    | 1    |
| R711    | B   | R.METAL   | 1/16W | 3.9K OHM+-5%  | RME1816    | 1    |
| R712    | B   | R.METAL   | 1/16W | 3.9K OHM+-5%  | RME1816    | 1    |
| R713    | B   | R.METAL   | 1/16W | 47K OHM+-5%   | RME1829    | 1    |
| R714    | B   | R.METAL   | 1/16W | 4.7K OHM+-5%  | RME1817    | 1    |
| R715    | B   | R.METAL   | 1/16W | 680 OHM+-5%   | RME1807    | 1    |
| R716    | B   | R.METAL   | 1/16W | 5.6K OHM+-5%  | RME1818    | 1    |
| R717    | B   | R.METAL   | 1/16W | 47K OHM+-5%   | RME1829    | 1    |
| R718    | B   | R.METAL   | 1/16W | 2.7K OHM+-5%  | RME1814    | 1    |
| R719    | T   | R.METAL   | 1/16W | 22 OHM+-5%    | RME1789    | 1    |
| R721    | T   | R.METAL   | 1/16W | 47 OHM+-5%    | RME1793    | 1    |
| R722    | T   | R.METAL   | 1/16W | 47K OHM+-5%   | RME1829    | 1    |
| R723    | T   | R.METAL   | 1/16W | 47K OHM+-5%   | RME1829    | 1    |
| R724    | T   | R.METAL   | 1/16W | 2.2K OHM+-5%  | RME1813    | 1    |
| R725    | B   | R.METAL   | 1/16W | 0 OHM+-5%     | RME1784    | 1    |
| R726    | T   | R.METAL   | 1/16W | 270 OHM+-5%   | RME1802    | 1    |
| R727    | T   | R.METAL   | 1/16W | 22 OHM+-5%    | RME1789    | 1    |
| R728    | B   | R.METAL   | 1/16W | 22K OHM+-5%   | RME1825    | 1    |
| R729    | B   | R.METAL   | 1/16W | 0 OHM+-5%     | RME1784    | 1    |
| R730    | T   | R.METAL   | 1/16W | 27 OHM+-5%    | RME1790    | 1    |
| R731    | T   | R.METAL   | 1/16W | 27 OHM+-5%    | RME1790    | 1    |
| R732    | T   | R.METAL   | 1/16W | 2.2K OHM+-5%  | RME1813    | 1    |

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|---------|-----|---------|-------|------------------|------------|------|
| R733    | T   | R.METAL | 1/16W | 5.6K OHM+-5%     | RME1818    | 1    |
| R734    | T   | R.METAL | 1/16W | 100 OHM+-5%      | RME1797    | 1    |
| R735    | T   | R.METAL | 1/16W | 120 OHM+-5%      | RME1798    | 1    |
| R736    | T   | R.METAL | 1/16W | 47 OHM+-5%       | RME1793    | 1    |
| R737    | T   | R.METAL | 1/16W | 120 OHM+-5%      | RME1798    | 1    |
| R738    | T   | R.METAL | 1/16W | 680 OHM+-5%      | RME1807    | 1    |
| R739    | T   | R.METAL | 1/16W | 1.5K OHM+-5%     | RME1811    | 1    |
| R740    | B   | R.METAL | 1/16W | 27 OHM+-5%       | RME1790    | 1    |
| R741    | T   | R.METAL | 1/16W | 390 OHM+-5%      | RME1804    | 1    |
| R742    | T   | R.METAL | 1/16W | 10 OHM+-5%       | RME1785    | 1    |
| R743    | T   | R.METAL | 1/16W | 390 OHM+-5%      | RME1804    | 1    |
| R744    | T   | R.METAL | 1/16W | 47 OHM+-5%       | RME1793    | 1    |
| R751    | T   | R.METAL | 1/16W | 47 OHM+-5%       | RME1793    | 1    |
| R752    | T   | R.METAL | 1/16W | 10 OHM+-5%       | RME1785    | 1    |
| R753    | B   | R.METAL | 1/16W | 22K OHM+-5%      | RME1825    | 1    |
| R754    | B   | R.METAL | 1/16W | 100 OHM+-5%      | RME1797    | 1    |
| R755    | T   | R.METAL | 1/16W | 470 OHM+-5%      | RME1805    | 1    |
| R756    | T   | R.METAL | 1/16W | 1.2K OHM+-5%     | RME1810    | 1    |
| R757    | B   | R.METAL | 1/16W | 27 OHM+-5%       | RME1790    | 1    |
| R758    | T   | R.METAL | 1/16W | 270 OHM+-5%      | RME1802    | 1    |
| R759    | T   | R.METAL | 1/16W | 18 OHM+-5%       | RME1788    | 1    |
| R760    | T   | R.METAL | 1/16W | 270 OHM+-5%      | RME1802    | 1    |
| R761    | T   | R.METAL | 1/16W | 10K OHM+-5%      | RME1821    | 1    |
| R762    | T   | R.METAL | 1/16W | 1K OHM+-5%       | RME1809    | 1    |
| R764    | T   | R.METAL | 1/16W | 100K OHM+-5%     | RME1833    | 1    |
| R765    | T   | R.METAL | 1/16W | 2.2K OHM+-5%     | RME1813    | 1    |
| R766    | B   | R.METAL | 1/16W | 220 OHM+-5%      | RME1801    | 1    |
| R767    | T   | R.METAL | 1/16W | 10K OHM+-5%      | RME1821    | 1    |
| R768    | T   | R.METAL | 1/16W | 2.2K OHM+-5%     | RME1813    | 1    |
| R769    | T   | R.METAL | 1/16W | 4.7K OHM+-5%     | RME1817    | 1    |
| R770    | T   | R.METAL | 1/16W | 22K OHM+-5%      | RME1825    | 1    |
| R771    | T   | R.METAL | 1/16W | 4.7K OHM+-5%     | RME1817    | 1    |
| R773    | B   | R.METAL | 1/16W | 68 OHM+-5%       | RME1795    | 1    |
| R774    | B   | R.METAL | 1/16W | 100 OHM+-5%      | RME1797    | 1    |
| R775    | B   | R.METAL | 1/16W | 100 OHM+-5%      | RME1797    | 1    |
| R777    | B   | R.METAL | 1/16W | 27 OHM+-5%       | RME1790    | 1    |
| R778    | B   | R.METAL | 1/16W | 27 OHM+-5%       | RME1790    | 1    |
| L701    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L702    | T   | COIL    |       | 7MQ4S5.5T V5F4   | 8646864    |      |
| L703    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L704    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L705    | T   | COIL    |       | LQN1AR10J04      | TLL0406    |      |
| L706    | T   | COIL    |       | LQN1A56NJ04      | TLL0403    |      |
| L708    | T   | COIL    |       | LQN1AR10J04      | TLL0406    |      |
| L709    | T   | COIL    |       | LQN1A56NJ04      | TLL0403    |      |
| L710    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L711    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L712    | T   | COIL    |       | MLF321611E100M-L | TLM0038    |      |
| L713    | T   | COIL    |       | 7MQ4S4.5T V5F4   | 8646864    |      |
| L714    | T   | COIL    |       | LQN1A64NJ04      | TLL0404    |      |

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| REF.NO. | LOC |            | DESCRIPTION         | PARTS CODE | SIZE |
|---------|-----|------------|---------------------|------------|------|
| X701    | T   | TCXO       | TCO-987A 12.8MHZ    | AAT0037    |      |
| IC701   | T   | IC         | MB1504PF-G-BND-EF   | ISM0013    |      |
| IC702   | T   | IC         | BU4066BCFV-E2       | IDB0016    |      |
| IC703   | B   | IC         | MPC1675G            | ILM0658    |      |
| IC704   | B   | IC         | MPC1675G            | ILM0658    |      |
| IC705   | T   | IC         | MPC1675G            | ILM0658    |      |
| D701    | T   | DIODE      | 1SV228              | HDS0672    |      |
| D702    | B   | DIODE      | 1SV229              | HDS0683    |      |
| D703    | B   | DIODE      | 1SV229              | HDS0683    |      |
| D704    | T   | DIODE      | MA142WK             | HDM0207    |      |
| D705    | T   | DIODE      | 1SV228              | HDS0672    |      |
| D706    | B   | DIODE      | 1SS268              | HDS0587    |      |
| D707    | T   | DIODE      | MA142WK             | HDM0207    |      |
| Q701    | B   | TRANSISTOR | 2SA1121SCTR-E       | HTA0267    |      |
| Q702    | B   | TRANSISTOR | 2SC2462LCTR-E       | HTC0686    |      |
| Q703    | B   | TRANSISTOR | 2SA1121SCTR-E       | HTA0267    |      |
| Q704    | B   | TRANSISTOR | 2SC2462LCTR-E       | HTA0686    |      |
| Q705    | B   | TRANSISTOR | RT1N241C-T112-1     | 8ABS000211 |      |
| Q706    | T   | TRANSISTOR | 2SK508K52           | HTK0172    |      |
| Q707    | T   | TRANSISTOR | 2SC3356-T1B-A       | HTC0819    |      |
| Q708    | B   | TRANSISTOR | 2SC3357-T1A-RE      | 8ABS000075 |      |
| Q709    | T   | TRANSISTOR | 2SA1576A-T106-R     | HTA0413    |      |
| Q710    | T   | TRANSISTOR | UMH10N-TN(H1)       | HTU0036    |      |
| Q713    | T   | TRANSISTOR | UMB10N-TN           | HTU0038    |      |
| Q714    | T   | TRANSISTOR | UMH10N-TN(H1)       | HTU0036    |      |
| Q715    | T   | TRANSISTOR | 2SB1197K-T146-Q(AH) | HTB0219    |      |
| Q716    | B   | TRANSISTOR | 2SD596DV3-T1        | HTD0202    |      |
| Q717    | B   | TRANSISTOR | 2SC3357-T1-A-RE     | 8ABS000075 |      |