

## RESISTORS

|    |              |                                                        |                                                         |                   |
|----|--------------|--------------------------------------------------------|---------------------------------------------------------|-------------------|
| 2  | Ferrite Bead | A52, A53                                               | <b>Panasonic</b> <i>min 80Ω 9mm</i><br>EXCELSA39        | 667-EXC-ELSA39V   |
|    |              |                                                        | <b>Panasonic</b> <i>min 50Ω 5mm</i><br>EXCELSA35        | 667-EXC-ELSA35    |
|    |              |                                                        | <b>Fastron</b> <i>60Ω@10MHz 10mm</i><br>BEAD/10-600P-YY | BEAD 10-60        |
| 2  | 1k 1%        | A36, A50                                               | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC1001F      | 660-MF1/4DC1001F  |
|    |              |                                                        | <b>Xicon</b> 271-1K-RC                                  | 271-1K-RC         |
| 2  | 2.2k 1%      | A19, A37                                               | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC2201F      | 660-MF1/4DC2201F  |
|    |              |                                                        | <b>Xicon</b> 271-2.2K-RC                                | 271-2.2K-RC       |
| 2  | 6.8k 1%      | A1, A56                                                | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC6801F      | 660-MF1/4DC6801F  |
|    |              |                                                        | <b>Xicon</b> 271-6.8K-RC                                | 271-6.8K-RC       |
| 1  | 15k 1%       | A14                                                    | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC1502F      | 660-MF1/4DC1502F  |
|    |              |                                                        | <b>Xicon</b> 271-15K-RC                                 | 271-15K-RC        |
| 2  | 22k 1%       | A42, A44                                               | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC2202F      | 660-MF1/4DC2202F  |
| 2  | 47k 1%       | A18, A21                                               | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC4702F      | 660-MF1/4DC4702F  |
|    |              |                                                        | <b>Xicon</b> 271-47K-RC                                 | 271-47K-RC        |
| 2  | 100k trimmer | A20, A38                                               | <b>Murata</b> <i>top 12 turn</i><br>PV37W104C01B00      | 81-PV37W104C01B00 |
|    |              |                                                        | <b>Bourns</b> <i>single turn, top</i><br>3362F-1-104LF  | 652-3362F-1-104LF |
| 11 | 100k 1%      | A6, A9, A15, A22, A27, A28, A31,<br>A34, A35, A48, A49 | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC1003F      | 660-MF1/4DC1003F  |
|    |              |                                                        | <b>Yageo</b> MF0207FTE52-100K                           | METALL 100K       |
|    |              |                                                        | <b>Xicon</b> 271-100K-RC                                | 271-100K-RC       |
| 2  | 470k 1%      | A26, A39                                               | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC4703F      | 660-MF1/4DC4703F  |
|    |              |                                                        | <b>Xicon</b> 271-470K-RC                                | 271-470K-RC       |
| 4  | 1.5M 1%      | A23, A24, A40, A41                                     | <b>KOA Speer</b> <i>metal film</i><br>MF1/4DC1504F      | 660-MF1/4DC1504F  |
|    |              |                                                        | <b>Xicon</b> 271-1.5M-RC                                | 271-1.5M-RC       |
| 2  | 2.2M 1%      | A25, A43                                               | <b>Xicon</b> 271-2.2M-RC                                | 271-2.2M-RC       |

## CAPACITORS

|   |        |          |                                                      |                   |
|---|--------|----------|------------------------------------------------------|-------------------|
| 2 | 470pF  | A29, A30 | <b>TDK</b> <i>COG (NP0)</i><br>FK28C0G1H471J         | 810-FK28C0G1H471J |
| 2 | 1000pF | A45, A46 | <b>TDK</b> <i>COG (NP0)</i><br>FK28C0G1H102J         | 810-FK28C0G1H102J |
|   |        |          | <b>Epcos</b> <i>MKT</i> B32529C1102J                 | 871-B32529C1102J  |
|   |        |          | <b>Cornell Dubilier</b> <i>mica</i><br>CD19FD102GO3F | 598-CD19FD102GO3F |
|   |        |          | <b>Xicon</b> <i>polystyrene</i> 23PS210              | 23PS210           |
|   |        |          | <b>TDK</b> <i>COG (NP0) 5% 5mm</i><br>FK28C0G2A102J  | 810-FK28C0G2A102J |

|          |                      |               |                                                                                                                                                                                         |                                                                                                      |
|----------|----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>1</b> | 4.7nF<br>(=0.0047uF) | A33           | <b>Xicon</b> 23PS247<br><b>TDK</b> C0G (NP0)<br>FK28C0G1H472J<br><b>Epcos</b> MKT<br>B32529C1472J289                                                                                    | 23PS247<br>810-FK28C0G1H472J<br>871-B32529C1472J289                                                  |
| <b>3</b> | 10nF (=0.01uF)       | A16, A17, A47 | <b>TDK</b> C0G (NP0)<br>FK28C0G1H103J<br><b>Epcos</b> MKT B32529C103J<br><b>TDK</b> C0G (NP0) 5% 5mm<br>FK22C0G2J103J                                                                   | 810-FK28C0G1H103J<br>871-B32529C103J<br>810-FK22C0G2J103J                                            |
| <b>2</b> | 100nF (=0.1uF)       | A10, A11      | <b>TDK</b> C0G (NP0)<br>FK26C0G1H104J<br><b>Epcos</b> MKT B32529C104J289<br><b>Kemet</b> R82DC3100AA50J<br><b>TDK</b> C0G (NP0) 2.5mm<br>FK11C0G1H104J<br><b>Kemet</b> C1206C104K5RACTU | 810-FK26C0G1H104J<br>871-B32529C104J289<br>80-R82DC3100AA50J<br>810-FK11C0G1H104J<br>80-C1206C104K5R |
| <b>3</b> | 10uF electrolytic    | A5, A12, A54  | <b>Nichicon</b> electrolytic, audio<br>grade UFG1H100MDM<br><b>Epcos</b> electrolytic<br>B41827A6106M000<br><b>AVX</b> tantalum 5% 35V<br>2.5mm \$\$ TAP106J035SCS                      | 647-UFG1H100MDM<br>871-B41827A6106M000<br>581-TAP106J035SCS                                          |

## SEMI'S

|          |         |             |  |  |
|----------|---------|-------------|--|--|
| <b>2</b> | LED LED | A2, A57     |  |  |
| <b>3</b> | LM358   | A4, A7, A32 |  |  |

## MISC.

|          |                           |  |                                            |                |
|----------|---------------------------|--|--------------------------------------------|----------------|
| <b>1</b> | MTA-156<br>connector 4Pin |  | <b>TE Connectivity</b> 22AWG<br>3-640428-4 | 571-3-640428-4 |
| <b>1</b> | MTA-156 header<br>4Pin    |  | <b>TE Connectivity</b> 640445-4            | 571-640445-4   |