

| <i>Item</i> | <i>Qty</i> | <i>Ref - Des</i> | <i>Desc</i> | <i>Manufacturer's Part Number</i> |
|-------------------------------------|------------|------------------|--|-----------------------------------|
| REQUIRED CIRCUIT COMPONENTS: | | | | |
| 1 | 1 | C1 | CAP, 4.7uF 20% 63V ELEC | PANASONIC EEV-FK1J4R7R |
| 2 | 1 | C2 | CAP, 1206 100nF 20% 100V X5R | TAIYO YUDEN HMK316BJ104ML-T |
| 3 | 1 | C3 | CAP, 0805 10pF 10% 50V NPO | AVX 08055A100KAT |
| 4 | 2 | C6,C4 | CAP, 1210 100uF 20% 6.3V X5R | TAIYO YUDEN JMK325BJ107MM-T |
| 5 | 1 | C5 | CAP, 0805 0.47uF 10% 16V X7R | TAIYO YUDEN EMK212BJ474KG-T |
| 6 | 1 | C7 | CAP, 3528 100uF 20% 4V POSCAP | SANYO 4TPE100MZB |
| 7 | 2 | C19,C8 | CAP, 0805 4.7uF 20% 10V X5R | AVX 0805ZD475MAT |
| 8 | 1 | C9 | CAP, 1812 1uF 20% 100V X7R | TDK C4532X7R2A105M |
| 9 | 1 | C10 | CAP, 0603 0.033uF 10% 25V X7R | AVX 06033C333KAT |
| 10 | 1 | C11 | CAP, 1210 47uF 20% 6.3V X5R | TAIYO YUDEN JMK325BJ476MM |
| 11 | 1 | C12 | CAP, 7343 220uF 20% 4V POSCAP | SANYO 4TPB220ML |
| 12 | 1 | C13 | CAP, 0603 6800pF 10% 25V X7R | AVX 06033C682K |
| 13 | 1 | C14 | CAP, 0603 0.1uF 10% 25V X7R | AVX 06033C104KAT |
| 14 | 1 | C15 | CAP, 1812 2.2nF 10% 250VAC X7R TYPE "Y2" | MURATA GA343QR7GD222KW01L |
| 15 | 1 | D2 | DIODE, TRANSIENT VOLTAGE SUPPRESSOR 400W | DIODES INC. SMAJ58A |
| 16 | 1 | D3 | DIODE, ZENER 8.2V | DIODES INC. MMSZ5237BS |
| 17 | 1 | D8 | DIODE, DUAL SCHOTTKY | ON SEMI. BAT54SLT1 |
| 18 | 2 | D9,D11 | DIODE, HIGH SPEED | PHILIPS SEMI BAS516 |
| 19 | 1 | D10 | REGULATOR, LOW VOLTAGE | ZETEX ZR431LF02TA |
| 20 | 1 | ISO2 | IC, OPTO ISOLATOR | NEC SEMI PS2911-1-K |
| 21 | 1 | J2 | CONN, RJ-45 | STEWART CONN. SYS.,SS-6488-NF-K1 |
| 22 | 1 | Q1 | XSTR, NPN SILICON PLANAR | ZETEX BCX5616 |
| 23 | 1 | Q2 | XSTR, MOSFET, N-CHANNEL | VISHAY SILICONIX Si3440DV |
| 24 | 1 | Q3 | XSTR, MOSFET NPN | DIODES INC. MMBT3904T |
| 25 | 2 | Q5,Q4 | XSTR, N-CHANNEL FIELD EFFECT TRANSISTOR | PHILIPS SEMI PH7030L |
| 26 | 1 | Q6 | XSTR, MOSFET, N-CHANNEL | VISHAY SILICONIX Si3442DV |
| 27 | 1 | RClass | RES, 0603 45.3 OHM 1% 1/10W | AAC CR16-45R3FM |
| 28 | 1 | R1 | RES, 0603 51 OHM 5% 1/10W | AAC CR16-510JM |
| 29 | 2 | R2,R3 | RES, 0603 220K OHM 5% 1/10W | AAC CR16-224JM |

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| 30 | 1 | R4 | RES, 0603 10 OHM 5% 1/10W | AAC CR16-100JM |
| 31 | 1 | R5 | RES, 0603 2.2K OHM 5% 1/10W | AAC CR16-222JM |
| 32 | 1 | R8 | RES, 0603 8.2K OHM 5% 1/10W | AAC CR16-822JM |
| 33 | 1 | R11 | RES, 0805 0.068 OHM 1% 1/4W | THIN FILM TECH. RL1220S-R068-F |
| 34 | 1 | R12 | RES, 0603 1K OHMS 5% 1/10W | AAC CR16-102JM |
| 35 | 2 | R13,R19 | RES, 0603 49.9K OHM 1% 1/10W | AAC CR16-4992FM |
| 36 | 1 | R14 | RES, 0603 6.8K OHM 5% 1/10W | AAC CR16-682JM |
| 37 | 1 | R18 | RES, 0603 10K OHM 5% 1/10W | AAC CR16-103JM |
| 38 | 1 | R25 | RES, 0603 20 OHMS 5% 1/10W | AAC CR16-200JM |
| 39 | 1 | T1 | TRANSFORMER | COILCRAFT D1766-AL |
| 40 | 1 | T2 | TRANSFORMER | PULSE PA0184 |
| 41 | 1 | U1 | IC, LTC4267IDHC | LINEAR TEC. LTC4267IDHC |

**ADDITIONAL DEMO
BOARD CIRCUIT
COMPONENTS:**

| | | | | |
|---|---|--------|-------------------------------------|------------------------------|
| 1 | 0 | C16 | CAP, 0603 0.47uF 20% 16V X5R OPTION | AVX0603YD474MAT OPTION |
| 2 | 1 | D7 | LED, GREEN | PANASONIC LN1351C-(TR) |
| 3 | 0 | D12 | DIODE, SCHOTTKY OPTION | CENTRAL SEMI. CMOSH-3 OPTION |
| 4 | 0 | D13 | DIODE, HIGH SPEED OPTION | PHILIPS SEMI BAS516 OPTION |
| 5 | 1 | J1 | JACK, Ethernet | HALO HFJ11-RP28E-L12 |
| 6 | 0 | Q7,Q8 | XSTR, MOSFET NPN OPTION | DIODES INC. MMBT3904T OPTION |
| 7 | 0 | R6 | RES, 0603 47K OHM 5% 1/10W OPTION | AAC CR16-473JM OPTION |
| 8 | 0 | R15,R7 | RES, 0603 100K OHM 1% 1/10W OPTION | AAC CR16-1003FM OPTION |
| 9 | 1 | R9 | RES, 0805 150 OHM 5% 1/8W | AAC CR10-151JM |

HARDWARE

| | | | | |
|---|----|----------|-------------------|-----------------------|
| 1 | 1 | JP1 | HEADER,3 PINS 2mm | SAMTEC TMM-103-03-G-S |
| 2 | 1 | JP1 | SHUNT | SAMTEC 2SN-BK-G |
| 3 | 15 | TP1-TP15 | TURRETS | MILLMAX 2501-2 |