

**Bill Of Materials for NLSF595 Demonstration Board**

**ON Semiconductor**



9/9/2003

| Designator     | Quantity | Description             | Value        | Tolerance | Footprint | Manufacturer  | Manufacturer Part Number | Substitution Allowed | Lead Free | Comments |
|----------------|----------|-------------------------|--------------|-----------|-----------|---------------|--------------------------|----------------------|-----------|----------|
| D4,D8          | 2        | GRN LED<br>Through Hole | NA           | NA        | T1-3/4    | Kingbright    | W7113CGCK                | Yes                  | NO        |          |
| D2,D6          | 2        | RED LED<br>Through Hole | NA           | NA        | T1-3/4    | Kingbright    | W7113SRC/DW              | Yes                  | NO        |          |
| D3,D7          | 2        | WHT LED<br>Through Hole | NA           | NA        | T1-3/4    | Kingbright    | W7114PWC                 | Yes                  | NO        |          |
| D5,D9          | 2        | BLU LED<br>Through Hole | NA           | NA        | T1-3/4    | Kingbright    | W7113PBC                 | Yes                  | NO        |          |
| DISP 1         | 1        | 8 segment disp          | NA           | NA        |           | Ligitek       | LSD5061-11               | Yes                  | NO        |          |
| R12,R16        | 2        | SMD Resistor            | 150 OHM 1/4W | 1%        | 1206      | Yageo America | 9C12063A1500FKHFT        | Yes                  | NO        |          |
| R10,R14        | 2        | SMD Resistor            | 221 OHM 1/4W | 1%        | 1206      | Yageo America | 9C12063A2210FKHFT        | Yes                  | NO        |          |
| R9,R11,R13,R15 | 4        | SMD Resistor            | 301 OHM 1/4W | 1%        | 1206      | Yageo America | 9C12063A3010FKHFT        | Yes                  | NO        |          |
| R1-R7          | 8        | SMD Resistor            | 750 OHM 1/4W | 1%        | 1206      | Yageo America | 9C12063A7500FKHFT        | Yes                  | NO        |          |
| J1             | 1        | Power Jack              | 2.1MM        | NA        | STD       | CUI Inc       | PJ-102A                  | Yes                  | NO        |          |
| U3             | 1        | Microcontroller         | NA           | NA        | SO8       | Digkey        | PIC12F629-E/SN-ND        | NO                   | NO        |          |
| U2             | 1        | 3.3V Regulator          | NA           | NA        | SOIC 8    | ONSEMI        | CS9202YDF                | NO                   | NO        |          |
| U1             | 1        | 8V Regulator            | NA           | NA        | SOIC 8    | ONSEMI        | MC78L08AB                | NO                   | NO        |          |
| U4,U5          | 2        | Tri-Color LED drv       | NA           | NA        | QFN-16    | ONSEMI        | NLSF595                  | NO                   | NO        |          |