

ON Semiconductor



Bill of Materials for the NCP130BMX180TCG Demo Board

| Designator | Quantity | Description               | Value              | Tolerance | Footprint | Manufacturer     | Manufacturer Part Number | Substitution Allowed | Lead Free |
|------------|----------|---------------------------|--------------------|-----------|-----------|------------------|--------------------------|----------------------|-----------|
| CIN        | 1        | Capacitor MLCC, X7R       | 1.0 uF             | 10%       | 0805      | SAMSUNG          | CL21B105KOFNNN           | Yes                  | Yes       |
| COUT       | 1        | Capacitor MLCC, X7R       | 1.0 uF             | 10%       | 0805      | SAMSUNG          | CL21B105KOFNNN           | Yes                  | Yes       |
| CBIAS      | 1        | Capacitor MLCC, X7R       | 0.1 uF             | 10%       | 0805      | Yageo            | CC0805KKX7R0BB104        | Yes                  | Yes       |
| LDO1       | 1        | LDO regulator             | 300 mA Bias Rail   | NA        | XDFN6     | ON Semiconductor | NCP130BMX180TCG          | No                   | Yes       |
| Pin        | 1        | RM 2.54 mm, PCB pin's (3) | Jumper - PCB pin's | -         | 2.54 mm   | Harwin           | M20-9990305              | Yes                  | Yes       |
| Jumper     | 1        | Jumper, RM 2.54 mm        | Jumper             | -         | 2.54 mm   | Harwin           | M7686-05                 | Yes                  | Yes       |
| Pin        | 8        | Pin 1.3 mm                | -                  | -         | 1.3 mm    | Various          | Various                  | Yes                  | Yes       |