



# Bill of Materials for the NCP170AMX280GEVB Evaluation Board

| Designator | Quantity | Description              | Value              | Tolerance | Footprint | Manufacturer     | Manufacturer Part Number | Substitution Allowed | Lead Free |
|------------|----------|--------------------------|--------------------|-----------|-----------|------------------|--------------------------|----------------------|-----------|
| CIN        | 1        | Mapacitor MLCC, X7R      | 1.0 uF/16V         | 10%       | 0805      | SAMSUNG          | CL21B105KOFNNN           | Yes                  | Yes       |
| COUT       | 1        | Mapacitor MLCC, X7R      | 1.0 uF/16V         | 10%       | 0805      | SAMSUNG          | CL21B105KOFNNN           | Yes                  | Yes       |
| LDO1       | 1        | LDO Regulator            | NCP170 2.8V        | -         | XDFN4     | ON Semiconductor | NCP170AMX280TCG          | No                   | Yes       |
| Pin        | 4        | RM 2.54mm, PCB pin's (3) | Jumper - PCB pin's | -         | 2.54mm    | Harwin           | M20-9990305              | Yes                  | Yes       |
| Jumper     | 3        | Jumper, RM 2,54mm        | Jumper             | -         | 2.54mm    | Harwin           | M7686-05                 | Yes                  | Yes       |
| Pin        | 6        | Pin 0.6mm                | -                  | -         | 0.6mm     | Various          | Various                  | Yes                  | Yes       |