### Notes:
1. **Insulator Material:** NYLON 6T, UL 94V-0.
2. **Contact Material:** PHOSPHOR BRONZE.
3. **Contact Plating:** See Part Number Coding.
4. **Current Rating:** 3 AMPS.
5. **Insulator Resistance:** 5000 MEGOHMS MIN.
6. **Contact Resistance:** 20 MILLIOHMS MAX.
7. **Dielectric Withstanding:** AC 500V.
8. **Operating Temperature:** -40°C TO +125°C.
9. **Max Processing Temp:** 230°C FOR 30 - 60 SECONDS
   - (260°C FOR 10 SECONDS).  
   - *Indicated temperature and time is for component insulator. Higher processing temperatures may be used, provided heat is applied from back side of PCB, and insulator does not exceed indicated temperature and time.*

### Dimensions

**A**
- **Designator:** NPxCxx1KFXx-RC
- **Part Number:**

**B**
- **Mounting Styles:**
  - **C:** SMT, Single Row, Pin 1 Left
  - **D:** SMT, Single Row, Pin 1 Right

**C**
- **Number of Positions:**
  - (Contacts per row, 2 thru 40)

**D**
- **Plating:**
  - **P:** Gold Flash Overall
  - **T:** Tin Overall

**E**
- **Recommended PCB Layout:
  - **D Mounting Style:**
    - Dimensions: 0.100 ± 0.008 [2.54 ± 0.20]
    - **Revised:** 12/04/2008

**F**
- **Recommended PCB Layout:
  - **C Mounting Style:**
    - Dimensions: 0.079 ± 0.008 [2.00 ± 0.20]
    - **Revised:** 12/04/2008