

# Solid state relays nomenclature

RD H A 7 10 NM 06 A 8 S K

**Device type**

- RD DC solid state relay
- UD DC solid state power controller

**Radiation characterization**

- H Rad hard
- F Non rad hard

**Generation**

- A Current design
- B Future

**Radiation level**

- Blank Non rad hard
- 3 300 krad (Si)
- 4 600 krad (Si)
- 7 100 krad (Si)
- 8 1000 krad (Si)

**Current**

- 01 1 A
- 03 3 A
- 10 10 A
- 20 20 A

**Package type**

- E 8-pin surface mount
- FE 8-pin flange mount
- SD 12-pin surface mount
- FD 12-pin flange mount
- SF 5-pin surface mount
- FF 5-pin flange mount
- NM SMD-4
- FP 64-pin flat pack
- FT 20-pin flat pack

**Screening level**

- P Unscreened, 25°C
- H Electrical test (not for qualification)
- K Class H per MIL-PRF-38534

**Features**

- S 3.3 V buffered, controlled
- F 3.3 V buffered fast
- N Non buffered fast
- P Non buffered, controlled
- Q 5 V buffer, immediate (compromise)
- B Break before make
- M Make before break
- U Unsequenced

**Number of poles**

- 1 Single pole
- 2 Double pole
- 8 8 poles

**Throw configuration**

- A Single throw, normally open
- B Single throw, normally closed
- C Double throw
- M Mixed

**Voltage (BV<sub>DSS</sub>)**

- 030 30 V
- 060 45 V
- 10 100 V
- 20 200 V

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