



## Product Discontinuation Notice: JT-N, JT-V, LK-P, LK-T, JS, JS-M, JQ, PQ, LE, RE Series Relays

PDN.PG0006-PG0002.03.01.2021

03.15.2021

|                                 |   |
|---------------------------------|---|
| <b>Effective Date:</b>          | March 26, 2021  |
| <b>Last Time Buy Date:</b>      | September 28, 2021  |
| <b>Last Eligible Ship Date:</b> | December 31, 2021   |
| <b>Discontinuation Details:</b> | The JT-N, JT-V, LK-P, LK-T, JS, JS-M, JQ, PQ, LE, and RE Series Relays are being discontinued due to low market demand.   |
| <b>Suggested Replacement:</b>   | The LQ Series Relays are a direct replacement for the JQ Series Relays. Please see the attached for replacement part numbers.<br>There are no direct replacements for the other discontinued Series. Please see the attached for recommended alternates with similar specifications but different footprints. |
| <b>Affected Part Numbers:</b>   | See Attached.   |
| <b>Datasheets:</b>              | See Attached.   |
| <b>Notes:</b>                   | 10A type JQ relays (JQ1P***** and JQ1AP***** ) have been discontinued since 2016. LE TMP type relays (ALE*2***, ALE*3***, and ALE*4*** ) have been discontinued since March 2020.   |

| Affected Part Numbers | Suggested Replacement Part Numbers | Comments                  |
|-----------------------|------------------------------------|---------------------------|
| LKP1AF-5V             | JW1aFHN-DC5V-F                     | Not a drop in replacement |
| LKP1AF-6V             | JW1aFHN-DC6V-F                     | Not a drop in replacement |
| LKP1AF-9V             | JW1aFHN-DC9V-F                     | Not a drop in replacement |
| LKP1AF-12V            | JW1aFHN-DC12V-F                    | Not a drop in replacement |
| LKP1AF-24V            | JW1aFHN-DC24V-F                    | Not a drop in replacement |
| LKT1AF-3V             | -                                  |                           |
| LKT1AF-5V             | ALZN5B05W                          | Not a drop in replacement |
| LKT1AF-6V             | ALZN5B05W                          | Not a drop in replacement |
| LKT1AF-9V             | ALZN5B09W                          | Not a drop in replacement |
| LKT1AF-12V            | ALZN5B12W                          | Not a drop in replacement |
| LKT1AF-18V            | ALZN5B18W                          | Not a drop in replacement |
| LKT1AF-24V            | ALZN5B24W                          | Not a drop in replacement |
| PQ1A-3V               | -                                  |                           |
| PQ1A-5V               | ALQ305                             | Pin compatible            |
| PQ1A-6V               | ALQ306                             | Pin compatible            |
| PQ1A-9V               | ALQ309                             | Pin compatible            |
| PQ1A-12V              | ALQ312                             | Pin compatible            |
| PQ1A-18V              | ALQ318                             | Pin compatible            |
| PQ1A-24V              | ALQ324                             | Pin compatible            |
| ALE1PB05              | ALZN5B05W                          | Not a drop in replacement |
| ALE1PB06              | ALZN5B05W                          | Not a drop in replacement |
| ALE1PB09              | ALZN5B09W                          | Not a drop in replacement |
| ALE1PB12              | ALZN5B12W                          | Not a drop in replacement |
| ALE1PB18              | ALZN5B18W                          | Not a drop in replacement |
| ALE1PB24              | ALZN5B24W                          | Not a drop in replacement |
| ALE1PB48              | -                                  |                           |
| ALE1PF05              | ALZN5F05W                          | Not a drop in replacement |
| ALE1PF06              | ALZN5F05W                          | Not a drop in replacement |
| ALE1PF09              | ALZN5F09W                          | Not a drop in replacement |
| ALE1PF12              | ALZN5F12W                          | Not a drop in replacement |
| ALE1PF18              | ALZN5F18W                          | Not a drop in replacement |
| ALE1PF24              | ALZN5F24W                          | Not a drop in replacement |
| ALE1PF48              | -                                  |                           |
| ALE7PB05              | ALZN5B05W                          | Not a drop in replacement |
| ALE7PB06              | ALZN5B05W                          | Not a drop in replacement |
| ALE7PB09              | ALZN5B09W                          | Not a drop in replacement |
| ALE7PB12              | ALZN5B12W                          | Not a drop in replacement |
| ALE7PB18              | ALZN5B18W                          | Not a drop in replacement |
| ALE7PB24              | ALZN5B24W                          | Not a drop in replacement |
| ALE7PB48              | -                                  |                           |
| ALE7PF05              | ALZN5F05W                          | Not a drop in replacement |
| ALE7PF06              | ALZN5F05W                          | Not a drop in replacement |
| ALE7PF09              | ALZN5F09W                          | Not a drop in replacement |
| ALE7PF12              | ALZN5F12W                          | Not a drop in replacement |
| ALE7PF18              | ALZN5F18W                          | Not a drop in replacement |
| ALE7PF24              | ALZN5F24W                          | Not a drop in replacement |
| ALE7PF48              | -                                  |                           |
| JS1A-5V-F             | ALQ305                             | Not a drop in replacement |
| JS1A-6V-F             | ALQ306                             | Not a drop in replacement |
| JS1A-9V-F             | ALQ309                             | Not a drop in replacement |
| JS1A-12V-F            | ALQ312                             | Not a drop in replacement |
| JS1A-12V-FT           | ALQ312                             | Not a drop in replacement |
| JS1A-18V-F            | ALQ318                             | Not a drop in replacement |
| JS1A-24V-F            | ALQ324                             | Not a drop in replacement |

|                  |         |                           |
|------------------|---------|---------------------------|
| JS1A-48V-F       | ALQ348  | Not a drop in replacement |
| JS1A-B-5V-F      | ALQ305  | Not a drop in replacement |
| JS1A-B-6V-F      | ALQ306  | Not a drop in replacement |
| JS1A-B-9V-F      | ALQ309  | Not a drop in replacement |
| JS1A-B-12V-F     | ALQ312  | Not a drop in replacement |
| JS1A-B-18V-F     | ALQ318  | Not a drop in replacement |
| JS1A-B-24V-F     | ALQ324  | Not a drop in replacement |
| JS1A-B-48V-F     | ALQ348  | Not a drop in replacement |
| JS1A-F-5V-F      | ALQ3F05 | Not a drop in replacement |
| JS1A-F-6V-F      | ALQ3F06 | Not a drop in replacement |
| JS1A-F-9V-F      | ALQ3F09 | Not a drop in replacement |
| JS1A-F-12V-F     | ALQ3F12 | Not a drop in replacement |
| JS1A-F-12V-F-6K  | ALQ3F12 | Not a drop in replacement |
| JS1A-F-18V-F     | ALQ3F18 | Not a drop in replacement |
| JS1A-F-24V-F     | ALQ3F24 | Not a drop in replacement |
| JS1A-F-48V-F     | ALQ3F48 | Not a drop in replacement |
| JS1-5V-F         | ALQ105  | Not a drop in replacement |
| JS1-6V-F         | ALQ106  | Not a drop in replacement |
| JS1-9V-F         | ALQ109  | Not a drop in replacement |
| JS1-9V-F-H55     | ALQ109  | Not a drop in replacement |
| JS1-12V-F        | ALQ112  | Not a drop in replacement |
| JS1-18V-F        | ALQ118  | Not a drop in replacement |
| JS1-24V-F        | ALQ124  | Not a drop in replacement |
| JS1-24V-FT       | ALQ124  | Not a drop in replacement |
| JS1-48V-F        | ALQ148  | Not a drop in replacement |
| JS1-B-5V-F       | ALQ105  | Not a drop in replacement |
| JS1-B-5V-F-6K    | ALQ105  | Not a drop in replacement |
| JS1-B-6V-F       | ALQ106  | Not a drop in replacement |
| JS1-B-9V-F       | ALQ109  | Not a drop in replacement |
| JS1-B-12V-F      | ALQ112  | Not a drop in replacement |
| JS1-B-12V-F-6K   | ALQ112  | Not a drop in replacement |
| JS1-B-12V-F-H111 | ALQ112  | Not a drop in replacement |
| JS1-B-18V-F      | ALQ118  | Not a drop in replacement |
| JS1-B-24V-F      | ALQ124  | Not a drop in replacement |
| JS1-B-24V-F-6K   | ALQ124  | Not a drop in replacement |
| JS1-B-48V-F      | ALQ148  | Not a drop in replacement |
| JS1-B-48V-F-6K   | ALQ148  | Not a drop in replacement |
| JS1-F-5V-F       | ALQ1F05 | Not a drop in replacement |
| JS1-F-6V-F       | ALQ1F06 | Not a drop in replacement |
| JS1-F-9V-F       | ALQ1F09 | Not a drop in replacement |
| JS1-F-12V-F      | ALQ1F12 | Not a drop in replacement |
| JS1-F-12V-F-6K   | ALQ1F12 | Not a drop in replacement |
| JS1-F-18V-F      | ALQ1F18 | Not a drop in replacement |
| JS1-F-24V-F      | ALQ1F24 | Not a drop in replacement |
| JS1-F-24V-F-6K   | ALQ1F24 | Not a drop in replacement |
| JS1-F-24V-FT     | ALQ1F24 | Not a drop in replacement |
| JS1-F-48V-F      | ALQ1F48 | Not a drop in replacement |
| JS1-F-48V-F-6K   | ALQ1F48 | Not a drop in replacement |
| JS1AF-5V-F       | ALQ305  | Not a drop in replacement |
| JS1AF-6V-F       | ALQ306  | Not a drop in replacement |
| JS1AF-9V-F       | ALQ309  | Not a drop in replacement |
| JS1AF-12V-F      | ALQ312  | Not a drop in replacement |
| JS1AF-18V-F      | ALQ318  | Not a drop in replacement |
| JS1AF-24V-F      | ALQ324  | Not a drop in replacement |
| JS1AF-48V-F      | ALQ348  | Not a drop in replacement |

|                   |         |   |
|-------------------|---------|---|
| JS1AF-B-5V-F      | ALQ305  | Not a drop in replacement                                 |
| JS1AF-B-6V-F      | ALQ306  | Not a drop in replacement                                 |
| JS1AF-B-9V-F      | ALQ309  | Not a drop in replacement                                 |
| JS1AF-B-12V-F     | ALQ312  | Not a drop in replacement                                 |
| JS1AF-B-18V-F     | ALQ318  | Not a drop in replacement                                 |
| JS1AF-B-24V-F     | ALQ324  | Not a drop in replacement                                 |
| JS1AF-B-48V-F     | ALQ348  | Not a drop in replacement                                 |
| JS1AF-F-5V-F      | ALQ3F05 | Not a drop in replacement                                 |
| JS1AF-F-6V-F      | ALQ3F06 | Not a drop in replacement                                 |
| JS1AF-F-9V-F      | ALQ3F09 | Not a drop in replacement                                 |
| JS1AF-F-12V-F     | ALQ3F12 | Not a drop in replacement                                 |
| JS1AF-F-18V-F     | ALQ3F18 | Not a drop in replacement                                 |
| JS1AF-F-24V-F     | ALQ3F24 | Not a drop in replacement                                 |
| JS1AF-F-48V-F     | ALQ3F48 | Not a drop in replacement                                 |
| JS1APF-5V-F       | ALQ305  | Not a drop in replacement                                 |
| JS1APF-6V-F       | ALQ306  | Not a drop in replacement                                 |
| JS1APF-9V-F       | ALQ309  | Not a drop in replacement                                 |
| JS1APF-12V-F      | ALQ312  | Not a drop in replacement                                 |
| JS1APF-18V-F      | ALQ318  | Not a drop in replacement                                 |
| JS1APF-24V-F      | ALQ324  | Not a drop in replacement                                 |
| JS1APF-48V-F      | ALQ348  | Not a drop in replacement                                 |
| JS1APF-B-5V-F     | ALQ305  | Not a drop in replacement                                 |
| JS1APF-B-6V-F     | ALQ306  | Not a drop in replacement                                 |
| JS1APF-B-9V-F     | ALQ309  | Not a drop in replacement                                 |
| JS1APF-B-12V-F    | ALQ312  | Not a drop in replacement                                 |
| JS1APF-B-18V-F    | ALQ318  | Not a drop in replacement                                 |
| JS1APF-B-24V-F    | ALQ324  | Not a drop in replacement                                 |
| JS1APF-B-48V-F    | ALQ348  | Not a drop in replacement                                 |
| JS1F-5V-F         | ALQ105  | Not a drop in replacement                                 |
| JS1F-6V-F         | ALQ106  | Not a drop in replacement                                 |
| JS1F-9V-F         | ALQ109  | Not a drop in replacement                                 |
| JS1F-12V-F        | ALQ112  | Not a drop in replacement                                 |
| JS1F-18V-F        | ALQ118  | Not a drop in replacement                                 |
| JS1F-24V-F        | ALQ124  | Not a drop in replacement                                 |
| JS1F-48V-F        | ALQ148  | Not a drop in replacement                                 |
| JS1F-B-5V-F       | ALQ105  | Not a drop in replacement                                 |
| JS1F-B-6V-F       | ALQ106  | Not a drop in replacement                                 |
| JS1F-B-9V-F       | ALQ109  | Not a drop in replacement                                 |
| JS1F-B-12V-F      | ALQ112  | Not a drop in replacement                                 |
| JS1F-B-18V-F      | ALQ118  | Not a drop in replacement                                 |
| JS1F-B-18V-F-6K   | ALQ118  | Not a drop in replacement                                 |
| JS1F-B-24V-F      | ALQ124  | Not a drop in replacement                                 |
| JS1F-B-24V-F-H194 | ALQ124  | Not a drop in replacement                                 |
| JS1F-B-48V-F      | ALQ148  | Not a drop in replacement                                 |
| JS1F-F-5V-F       | ALQ1F05 | Not a drop in replacement                                 |
| JS1F-F-5V-F-6K    | ALQ1F05 | Not a drop in replacement                                 |
| JS1F-F-6V-F       | ALQ1F06 | Not a drop in replacement                                 |
| JS1F-F-9V-F       | ALQ1F09 | Not a drop in replacement                                 |
| JS1F-F-12V-F      | ALQ1F12 | Not a drop in replacement                                 |
| JS1F-F-18V-F      | ALQ1F18 | Not a drop in replacement                                 |
| JS1F-F-18V-F-6K   | ALQ1F18 | Not a drop in replacement                                 |
| JS1F-F-24V-F      | ALQ1F24 | Not a drop in replacement                                 |
| JS1F-F-48V-F      | ALQ1F48 | Not a drop in replacement                                 |
| JSM1A-12V-4       | -       | Please contact Panasonic for automotive relay replacement |

|                   |           |   |
|-------------------|-----------|---|
| JSM1-12V-4        | -         | Please contact Panasonic for automotive relay replacement |
| JSM1AF-12V-4      | -         | Please contact Panasonic for automotive relay replacement |
| JSM1F-12V-4       | -         | Please contact Panasonic for automotive relay replacement |
| JSM1A-12V-5       | -         | Please contact Panasonic for automotive relay replacement |
| JSM1-12V-5        | -         | Please contact Panasonic for automotive relay replacement |
| JSM1-12V-5-H13    | -         | Please contact Panasonic for automotive relay replacement |
| JSM1-12V-5-H15    | -         | Please contact Panasonic for automotive relay replacement |
| JSM1-12V-5-H38    | -         | Please contact Panasonic for automotive relay replacement |
| JSM1AF-12V-5      | -         | Please contact Panasonic for automotive relay replacement |
| JSM1F-12V-5       | -         | Please contact Panasonic for automotive relay replacement |
| JSM1-9V-5         | -         | Please contact Panasonic for automotive relay replacement |
| JSM1A-9V-5        | -         | Please contact Panasonic for automotive relay replacement |
| JQ1-5V-F          | ALQ105    | Drop in replacement                                       |
| JQ1-6V-F          | ALQ106    | Drop in replacement                                       |
| JQ1-9V-F          | ALQ109    | Drop in replacement                                       |
| JQ1-12V-F         | ALQ112    | Drop in replacement                                       |
| JQ1-18V-F         | ALQ118    | Drop in replacement                                       |
| JQ1-24V-F         | ALQ124    | Drop in replacement                                       |
| JQ1-48V-F         | ALQ148    | Drop in replacement                                       |
| JQ1A-5V-F         | ALQ305    | Drop in replacement                                       |
| JQ1A-6V-F         | ALQ306    | Drop in replacement                                       |
| JQ1A-9V-F         | ALQ309    | Drop in replacement                                       |
| JQ1A-12V-F        | ALQ312    | Drop in replacement                                       |
| JQ1A-18V-F        | ALQ318    | Drop in replacement                                       |
| JQ1A-24V-F        | ALQ324    | Drop in replacement                                       |
| JQ1-B-5V-F        | ALQ105    | Drop in replacement                                       |
| JQ1-B-6V-F        | ALQ106    | Drop in replacement                                       |
| JQ1-B-9V-F        | ALQ109    | Drop in replacement                                       |
| JQ1-B-12V-F       | ALQ112    | Drop in replacement                                       |
| JQ1-B-18V-F       | ALQ118    | Drop in replacement                                       |
| JQ1-B-24V-F       | ALQ124    | Drop in replacement                                       |
| JQ1-B-48V-F       | ALQ148    | Drop in replacement                                       |
| JQ1A-B-5V-F       | ALQ305    | Drop in replacement                                       |
| JQ1A-B-6V-F       | ALQ306    | Drop in replacement                                       |
| JQ1A-B-9V-F       | ALQ309    | Drop in replacement                                       |
| JQ1A-B-12V-F      | ALQ312    | Drop in replacement                                       |
| JQ1A-B-18V-F      | ALQ318    | Drop in replacement                                       |
| JQ1A-B-24V-F      | ALQ324    | Drop in replacement                                       |
| JTN1AF-PA-F-DC5V  | -         |   |
| JTN1AF-PA-F-DC6V  | -         |   |
| JTN1AF-PA-F-DC9V  | ALFG2PF09 | Not a drop in replacement                                 |
| JTN1AF-PA-F-DC12V | ALFG2PF12 | Not a drop in replacement                                 |
| JTN1AF-PA-F-DC15V | -         |   |

|                    |           |                           |
|--------------------|-----------|---------------------------|
| JTN1AF-PA-F-DC18V  | ALFG2PF18 | Not a drop in replacement |
| JTN1AF-PA-F-DC24V  | ALFG2PF24 | Not a drop in replacement |
| JTN1AF-TMP-F-DC5V  | -         |                           |
| JTN1AF-TMP-F-DC6V  | -         |                           |
| JTN1AF-TMP-F-DC9V  | -         |                           |
| JTN1AF-TMP-F-DC12V | -         |                           |
| JTN1AF-TMP-F-DC15V | -         |                           |
| JTN1AF-TMP-F-DC18V | -         |                           |
| JTN1AF-TMP-F-DC24V | -         |                           |
| JTN1AG-PA-F-DC5V   | -         |                           |
| JTN1AG-PA-F-DC6V   | -         |                           |
| JTN1AG-PA-F-DC9V   | ALFG2PF09 | Not a drop in replacement |
| JTN1AG-PA-F-DC12V  | ALFG2PF12 | Not a drop in replacement |
| JTN1AG-PA-F-DC15V  | -         |                           |
| JTN1AG-PA-F-DC18V  | ALFG2PF18 | Not a drop in replacement |
| JTN1AG-PA-F-DC24V  | ALFG2PF24 | Not a drop in replacement |
| JTN1AG-TMP-F-DC5V  | -         |                           |
| JTN1AG-TMP-F-DC6V  | -         |                           |
| JTN1AG-TMP-F-DC9V  | -         |                           |
| JTN1AG-TMP-F-DC12V | -         |                           |
| JTN1AG-TMP-F-DC15V | -         |                           |
| JTN1AG-TMP-F-DC18V | -         |                           |
| JTN1AG-TMP-F-DC24V | -         |                           |
| JTN1AS-PA-F-DC5V   | -         |                           |
| JTN1AS-PA-F-DC6V   | -         |                           |
| JTN1AS-PA-F-DC9V   | ALFG2PF09 | Not a drop in replacement |
| JTN1AS-PA-F-DC12V  | ALFG2PF12 | Not a drop in replacement |
| JTN1AS-PA-F-DC15V  | -         |                           |
| JTN1AS-PA-F-DC18V  | ALFG2PF18 | Not a drop in replacement |
| JTN1AS-PA-F-DC24V  | ALFG2PF24 | Not a drop in replacement |
| JTN1AS-PA-F-DC48V  | -         |                           |
| JTN1AS-TMP-F-DC5V  | -         |                           |
| JTN1AS-TMP-F-DC6V  | -         |                           |
| JTN1AS-TMP-F-DC9V  | -         |                           |
| JTN1AS-TMP-F-DC12V | -         |                           |
| JTN1AS-TMP-F-DC15V | -         |                           |
| JTN1AS-TMP-F-DC18V | -         |                           |
| JTN1AS-TMP-F-DC24V | -         |                           |
| JTN1F-PA-F-DC5V    | -         |                           |
| JTN1F-PA-F-DC6V    | -         |                           |
| JTN1F-PA-F-DC9V    | -         |                           |
| JTN1F-PA-F-DC12V   | -         |                           |
| JTN1F-PA-F-DC15V   | -         |                           |
| JTN1F-PA-F-DC18V   | -         |                           |
| JTN1F-PA-F-DC24V   | -         |                           |
| JTN1F-TMP-F-DC5V   | -         |                           |
| JTN1F-TMP-F-DC6V   | -         |                           |
| JTN1F-TMP-F-DC9V   | -         |                           |
| JTN1F-TMP-F-DC12V  | -         |                           |
| JTN1F-TMP-F-DC15V  | -         |                           |
| JTN1F-TMP-F-DC18V  | -         |                           |
| JTN1F-TMP-F-DC24V  | -         |                           |
| JTN1G-PA-F-DC5V    | -         |                           |
| JTN1G-PA-F-DC6V    | -         |                           |
| JTN1G-PA-F-DC9V    | -         |                           |

|                   |           |                           |
|-------------------|-----------|---------------------------|
| JTN1G-PA-F-DC12V  | -         |                           |
| JTN1G-PA-F-DC15V  | -         |                           |
| JTN1G-PA-F-DC18V  | -         |                           |
| JTN1G-PA-F-DC24V  | -         |                           |
| JTN1G-TMP-F-DC5V  | -         |                           |
| JTN1G-TMP-F-DC6V  | -         |                           |
| JTN1G-TMP-F-DC9V  | -         |                           |
| JTN1G-TMP-F-DC12V | -         |                           |
| JTN1G-TMP-F-DC15V | -         |                           |
| JTN1G-TMP-F-DC18V | -         |                           |
| JTN1G-TMP-F-DC24V | -         |                           |
| JTN1S-PA-F-DC5V   | -         |                           |
| JTN1S-PA-F-DC6V   | -         |                           |
| JTN1S-PA-F-DC9V   | -         |                           |
| JTN1S-PA-F-DC12V  | -         |                           |
| JTN1S-PA-F-DC15V  | -         |                           |
| JTN1S-PA-F-DC18V  | -         |                           |
| JTN1S-PA-F-DC24V  | -         |                           |
| JTN1S-PA-F-DC48V  | -         |                           |
| JTN1S-TMP-F-DC5V  | -         |                           |
| JTN1S-TMP-F-DC6V  | -         |                           |
| JTN1S-TMP-F-DC9V  | -         |                           |
| JTN1S-TMP-F-DC12V | -         |                           |
| JTN1S-TMP-F-DC15V | -         |                           |
| JTN1S-TMP-F-DC18V | -         |                           |
| JTN1S-TMP-F-DC24V | -         |                           |
| JTV1AF-PA-5V      | -         |                           |
| JTV1AF-PA-6V      | -         |                           |
| JTV1AF-PA-12V     | ALFG2PF12 | Not a drop in replacement |
| JTV1AF-PA-18V     | ALFG2PF18 | Not a drop in replacement |
| JTV1AF-PA-24V     | ALFG2PF24 | Not a drop in replacement |
| JTV1AF-PA-48V     | -         |                           |
| JTV1AF-TMP-5V     | -         |                           |
| JTV1AF-TMP-6V     | -         |                           |
| JTV1AF-TMP-12V    | -         |                           |
| JTV1AF-TMP-18V    | -         |                           |
| JTV1AF-TMP-24V    | -         |                           |
| JTV1AF-TMP-48V    | -         |                           |
| JTV1AG-PA-5V      | -         |                           |
| JTV1AG-PA-6V      | -         |                           |
| JTV1AG-PA-12V     | ALFG2PF12 | Not a drop in replacement |
| JTV1AG-PA-18V     | ALFG2PF18 | Not a drop in replacement |
| JTV1AG-PA-24V     | ALFG2PF24 | Not a drop in replacement |
| JTV1AG-PA-48V     | -         |                           |
| JTV1AG-TMP-5V     | -         |                           |
| JTV1AG-TMP-6V     | -         |                           |
| JTV1AG-TMP-12V    | -         |                           |
| JTV1AG-TMP-18V    | -         |                           |
| JTV1AG-TMP-24V    | -         |                           |
| JTV1AG-TMP-48V    | -         |                           |
| JTV1AS-PA-5V      | -         |                           |
| JTV1AS-PA-6V      | -         |                           |
| JTV1AS-PA-9V      | ALFG2PF09 | Not a drop in replacement |
| JTV1AS-PA-12V     | ALFG2PF12 | Not a drop in replacement |
| JTV1AS-PA-18V     | ALFG2PF18 | Not a drop in replacement |

|                 |           |                           |
|-----------------|-----------|---------------------------|
| JTV1AS-PA-24V   | ALFG2PF24 | Not a drop in replacement |
| JTV1AS-PA-48V   | -         |                           |
| JTV1AS-TMP-5V   | -         |                           |
| JTV1AS-TMP-6V   | -         |                           |
| JTV1AS-TMP-12V  | -         |                           |
| JTV1AS-TMP-18V  | -         |                           |
| JTV1AS-TMP-24V  | -         |                           |
| JTV1AS-TMP-48V  | -         |                           |
| JTV1F-PA-5V     | -         |                           |
| JTV1F-PA-6V     | -         |                           |
| JTV1F-PA-12V    | -         |                           |
| JTV1F-PA-18V    | -         |                           |
| JTV1F-PA-24V    | -         |                           |
| JTV1F-PA-48V    | -         |                           |
| JTV1F-TMP-5V    | -         |                           |
| JTV1F-TMP-6V    | -         |                           |
| JTV1F-TMP-12V   | -         |                           |
| JTV1F-TMP-18V   | -         |                           |
| JTV1F-TMP-24V   | -         |                           |
| JTV1F-TMP-48V   | -         |                           |
| JTV1G-PA-5V     | -         |                           |
| JTV1G-PA-6V     | -         |                           |
| JTV1G-PA-12V    | -         |                           |
| JTV1G-PA-18V    | -         |                           |
| JTV1G-PA-24V    | -         |                           |
| JTV1G-PA-48V    | -         |                           |
| JTV1G-TMP-5V    | -         |                           |
| JTV1G-TMP-6V    | -         |                           |
| JTV1G-TMP-12V   | -         |                           |
| JTV1G-TMP-18V   | -         |                           |
| JTV1G-TMP-24V   | -         |                           |
| JTV1G-TMP-48V   | -         |                           |
| JTV1S-PA-5V     | -         |                           |
| JTV1S-PA-6V     | -         |                           |
| JTV1S-PA-12V    | -         |                           |
| JTV1S-PA-18V    | -         |                           |
| JTV1S-PA-24V    | -         |                           |
| JTV1S-PA-48V    | -         |                           |
| JTV1S-TMP-5V    | -         |                           |
| JTV1S-TMP-6V    | -         |                           |
| JTV1S-TMP-12V   | -         |                           |
| JTV1S-TMP-18V   | -         |                           |
| JTV1S-TMP-24V   | -         |                           |
| JTV1S-TMP-48V   | -         |                           |
| JTV1S-TMP-DC24V | -         |                           |
| ARE1003C90      | ARS1403   | Not a drop in replacement |
| ARE1006C90      | -         |                           |
| ARE1009C90      | ARS1409   | Not a drop in replacement |
| ARE1012C90      | ARS1412   | Not a drop in replacement |
| ARE1024C90      | ARS1424   | Not a drop in replacement |
| ARE104HC90      | ARS144H   | Not a drop in replacement |
| ARE10A03C90     | ARS14A03  | Not a drop in replacement |
| ARE10A03ZC90    | ARS14A03Z | Not a drop in replacement |
| ARE10A06C90     | -         |                           |
| ARE10A06ZC90    | -         |                           |



|              |           |                           |
|--------------|-----------|---------------------------|
| ARE10A09C90  | ARS14A09  | Not a drop in replacement |
| ARE10A09ZC90 | ARS14A09Z | Not a drop in replacement |
| ARE10A12C90  | ARS14A12  | Not a drop in replacement |
| ARE10A12ZC90 | ARS14A12Z | Not a drop in replacement |
| ARE10A24C90  | ARS14A24  | Not a drop in replacement |
| ARE10A24ZC90 | ARS14A24Z | Not a drop in replacement |
| ARE10A4HC90  | ARS14A4H  | Not a drop in replacement |
| ARE10A4HZC90 | ARS14A4HZ | Not a drop in replacement |
| ARE1303C90   | ARS1003   | Not a drop in replacement |
| ARE1306C90   | -         |                           |
| ARE1309C90   | ARS1009   | Not a drop in replacement |
| ARE1312C90   | ARS1012   | Not a drop in replacement |
| ARE1324C90   | ARS1024   | Not a drop in replacement |
| ARE134HC90   | ARS104H   | Not a drop in replacement |
| ARE13A03C90  | ARS10A03  | Not a drop in replacement |
| ARE13A03ZC90 | ARS10A03Z | Not a drop in replacement |
| ARE13A06C90  | -         |                           |
| ARE13A06ZC90 | -         |                           |
| ARE13A09C90  | ARS10A09  | Not a drop in replacement |
| ARE13A09ZC90 | ARS10A09Z | Not a drop in replacement |
| ARE13A12C90  | ARS10A12  | Not a drop in replacement |
| ARE13A12ZC90 | ARS10A12Z | Not a drop in replacement |
| ARE13A24C90  | ARS10A24  | Not a drop in replacement |
| ARE13A24ZC90 | ARS10A24Z | Not a drop in replacement |
| ARE13A4HC90  | ARS10A4H  | Not a drop in replacement |
| ARE13A4HZC90 | ARS10A4HZ | Not a drop in replacement |
| ARE1003      | ARS1403   | Not a drop in replacement |
| ARE1006      | -         |                           |
| ARE1009      | ARS1409   | Not a drop in replacement |
| ARE1012      | ARS1412   | Not a drop in replacement |
| ARE1024      | ARS1424   | Not a drop in replacement |
| ARE104H      | ARS144H   | Not a drop in replacement |
| ARE10A03     | ARS14A03  | Not a drop in replacement |
| ARE10A06     | -         |                           |
| ARE10A09     | ARS14A09  | Not a drop in replacement |
| ARE10A12     | ARS14A12  | Not a drop in replacement |
| ARE10A12Z    | ARS14A12Z | Not a drop in replacement |
| ARE10A24     | ARS14A24  | Not a drop in replacement |
| ARE10A4H     | ARS14A4H  | Not a drop in replacement |
| ARE10A4HZ    | ARS14A4HZ | Not a drop in replacement |
| ARE1303      | ARS1003   | Not a drop in replacement |
| ARE1306      | -         |                           |
| ARE1309      | ARS1009   | Not a drop in replacement |
| ARE1312      | ARS1012   | Not a drop in replacement |
| ARE1324      | ARS1024   | Not a drop in replacement |
| ARE134H      | ARS104H   | Not a drop in replacement |
| ARE13A03     | ARS10A03  | Not a drop in replacement |
| ARE13A03Z    | ARS10A03Z | Not a drop in replacement |
| ARE13A12     | ARS10A12  | Not a drop in replacement |
| ARE13A12Z    | ARS10A12Z | Not a drop in replacement |
| ARE13A24     | ARS10A24  | Not a drop in replacement |
| ARE13A4H     | ARS10A4H  | Not a drop in replacement |
| ARE13A4HZ    | ARS10A4HZ | Not a drop in replacement |

| Affected Series | Affected Part Number |
|-----------------|----------------------|
|-----------------|----------------------|

|      |                    |
|------|--------------------|
| JQ   | JQ1-F-5V-F         |
| JQ   | JQ1PF-F-22V-F      |
| JS   | JS1APF-B-18V-FT    |
| JS   | JS1F-F-24V-F-6K    |
| JS   | JS1A-6V            |
| JS-M | JSM1-9V-4          |
| JS-M | JSM1A-9V-4         |
| JT-N | JTN1AG-TMP-F-DC48V |
| JT-N | JTN1G-TMP-F-DC48V  |
| JT-N | JTN1G-PA-F-DC48V   |
| JT-N | JTN1AS-TMP-F-DC48V |
| JT-N | JTN1AG-PA-F-DC48V  |
| JT-V | JTV1AG-TMP-9V      |
| JT-V | JTV1G-TMP-9V       |
| JT-V | JTV1AG-PA-9V       |
| JT-V | JTV1S-TMP-9V       |
| JT-V | JTV1AS-TMP-9V      |
| JT-V | JTV1AS-PA-15V      |
| JT-V | JTV1G-PA-9V        |
| JT-V | JTV1AG-PA-15V      |
| JT-V | JTV1AS-TMP-15V     |
| JT-V | JTV1AG-TMP-15V     |
| JT-V | JTV1S-PA-9V        |
| JT-V | JTV1G-PA-15V       |
| JT-V | JTV1S-PA-15V       |
| JT-V | JTV1G-TMP-15V      |
| JT-V | JTV1S-TMP-15V      |
| RE   | ARE13A24Z          |
| RE   | ARE13A09           |
| RE   | ARE13A06           |
| RE   | ARE10A03Z          |
| RE   | ARE10A09Z          |
| RE   | ARE10A24Z          |
| RE   | ARE10A06Z          |
| RE   | ARE13A4HZB01       |
| RE   | ARE13A09Z          |