



## Product Change Notice: PhotoMOS® DIP4, DIP6, DIP8, Photovoltaic MOSFET Drivers, Phototriac Couplers and AQ-H Series Solid State Relays

PCN.PG01.3.6.2021

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3.6.2021

### About This Notice:

Panasonic will be changing the tube packing style for DIP4, DIP6 and DIP8 pin package PhotoMOS, Photovoltaic MOSFET Drivers, Phototriac Couplers and AQ-H Series Solid State Relays.

### Effective Date:

From July 2021 production onwards.

### Change Details:

Stopper on the fixed side has changed from tape type to integrated tube type. The addition of a marking is used to indicate the fixed side stopper direction (blue or orange color: depending on type). This alteration will change the stopper shape, tube length and package length to increase stopper strength.

|   | Before change | After change |
|---|---------------|--------------|
| Fixed side stopper<br>Change of method<br><br>Addition of indication mark |               |              |
| Stopper<br>Change of shape  |               |              |
| Tube<br>Change of length  | 508.5 mm      | 513.5 mm     |
| Outer packaging<br>Change of length<br>(internal dimension)               | 510 mm        | 515 mm       |

• Fixed side stopper changed from tape type to integrated tube type.  
 • Addition of marking to indicate direction of fixed side stopper (blue and orange colors are available for different relay types).

### Affected Parts:

See Attached.

### Datasheet(s):

N/A

### Notes:

There are no specification, pricing, or changes to the existing part numbers.

## Panasonic PCN.PG01.3.6.2021 Affected Parts

| Affected Series            | Affected Part Numbers | Comments    |
|----------------------------|-----------------------|-------------|
| APT PHOTOTRIAC COUPLER     | APT1211               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1211A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1211W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1211WA             | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1212               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1212A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1212W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1212WA             | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1221               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1221A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1221W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1221WA             | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1222               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1222A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1222W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1222WA             | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1231               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1231A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1231W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1231WA             | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1232               | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1232A              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1232W              | Tube change |
| APT PHOTOTRIAC COUPLER     | APT1232WA             | Tube change |
| Photovoltaic MOSFET Driver | APV1122               | Tube change |
| Photovoltaic MOSFET Driver | APV1122A              | Tube change |
| AQ-H Relay                 | AQH0213               | Tube change |
| AQ-H Relay                 | AQH0213A              | Tube change |
| AQ-H Relay                 | AQH0223               | Tube change |
| AQ-H Relay                 | AQH0223A              | Tube change |
| AQ-H Relay                 | AQH1213               | Tube change |
| AQ-H Relay                 | AQH1213A              | Tube change |
| AQ-H Relay                 | AQH1223               | Tube change |
| AQ-H Relay                 | AQH1223A              | Tube change |
| AQ-H Relay                 | AQH2213               | Tube change |
| AQ-H Relay                 | AQH2213A              | Tube change |
| AQ-H Relay                 | AQH2223               | Tube change |
| AQ-H Relay                 | AQH2223A              | Tube change |
| AQ-H Relay                 | AQH3213               | Tube change |
| AQ-H Relay                 | AQH3213A              | Tube change |
| AQ-H Relay                 | AQH3223               | Tube change |
| AQ-H Relay                 | AQH3223A              | Tube change |
| PhotoMOS HF 1 Form A       | AQV101                | Tube change |
| PhotoMOS HF 1 Form A       | AQV101A               | Tube change |

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|--------------------------------------|-----------|-------------|
| PhotoMOS HF 1 Form A                 | AQV102    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV102A   | Tube change |
| PhotoMOS HF 1 Form A                 | AQV103    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV103A   | Tube change |
| PhotoMOS HF 1 Form A                 | AQV104    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV104A   | Tube change |
| PhotoMOS GU 1 Form A Short Circuit P | AQV112KL  | Tube change |
| PhotoMOS GU 1 Form A Short Circuit P | AQV112KLA | Tube change |
| PhotoMOS HF 1 Form A                 | AQV201    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV201A   | Tube change |
| PhotoMOS HF 1 Form A                 | AQV202    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV202A   | Tube change |
| PhotoMOS HF 1 Form A                 | AQV203    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV203A   | Tube change |
| PhotoMOS HF 1 Form A                 | AQV204    | Tube change |
| PhotoMOS HF 1 Form A                 | AQV204A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV210    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV210A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV210EH  | Tube change |
| PhotoMOS GU 1 Form A                 | AQV210EHA | Tube change |
| PhotoMOS GU 1 Form A                 | AQV212    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV212A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214EH  | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214EHA | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214H   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV214HA  | Tube change |
| PhotoMOS GU 1 Form A                 | AQV215    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV215A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV216    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV216A   | Tube change |
| PhotoMOS GU 1 Form A                 | AQV217    | Tube change |
| PhotoMOS GU 1 Form A                 | AQV217A   | Tube change |
| PhotoMOS RF 1 Form A Low on-resista  | AQV224N   | Tube change |
| PhotoMOS RF 1 Form A Low on-resista  | AQV224NA  | Tube change |
| PhotoMOS RF 1 Form A Low on-resista  | AQV227N   | Tube change |
| PhotoMOS RF 1 Form A Low on-resista  | AQV227NA  | Tube change |
| PhotoMOS HS 1 Form A                 | AQV234    | Tube change |
| PhotoMOS HS 1 Form A                 | AQV234A   | Tube change |
| PhotoMOS HE 1 Form A                 | AQV251    | Tube change |
| PhotoMOS HE 1 Form A                 | AQV251A   | Tube change |
| PhotoMOS HE 1 Form A                 | AQV251G   | Tube change |
| PhotoMOS HE 1 Form A                 | AQV251GA  | Tube change |
| PhotoMOS HE 1 Form A                 | AQV252    | Tube change |
| PhotoMOS HE 1 Form A                 | AQV252A   | Tube change |
| PhotoMOS HE 1 Form A High Capacity   | AQV252G   | Tube change |
| PhotoMOS HE 1 Form A High Capacity   | AQV252G3  | Tube change |
| PhotoMOS HE 1 Form A High Capacity   | AQV252G3A | Tube change |
| PhotoMOS HE 1 Form A High Capacity   | AQV252GA  | Tube change |

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| PhotoMOS HE 1 Form A | AQV253    | Tube change |
| PhotoMOS HE 1 Form A | AQV253A   | Tube change |
| PhotoMOS HE 1 Form A | AQV253H   | Tube change |
| PhotoMOS HE 1 Form A | AQV253HA  | Tube change |
| PhotoMOS HE 1 Form A | AQV254    | Tube change |
| PhotoMOS HE 1 Form A | AQV254A   | Tube change |
| PhotoMOS HE 1 Form A | AQV254H   | Tube change |
| PhotoMOS HE 1 Form A | AQV254HA  | Tube change |
| PhotoMOS HE 1 Form A | AQV255    | Tube change |
| PhotoMOS HE 1 Form A | AQV255A   | Tube change |
| PhotoMOS HE 1 Form A | AQV255G3  | Tube change |
| PhotoMOS HE 1 Form A | AQV255G3A | Tube change |
| PhotoMOS HE 1 Form A | AQV256H   | Tube change |
| PhotoMOS HE 1 Form A | AQV256HA  | Tube change |
| PhotoMOS HE 1 Form A | AQV257    | Tube change |
| PhotoMOS HE 1 Form A | AQV257A   | Tube change |
| PhotoMOS HE 1 Form A | AQV258    | Tube change |
| PhotoMOS HE 1 Form A | AQV258A   | Tube change |
| PhotoMOS HE 1 Form A | AQV258H5  | Tube change |
| PhotoMOS HE 1 Form A | AQV258H5A | Tube change |
| PhotoMOS HE 1 Form A | AQV259    | Tube change |
| PhotoMOS HE 1 Form A | AQV259A   | Tube change |
| PhotoMOS GE 1 Form B | AQV410EH  | Tube change |
| PhotoMOS GE 1 Form B | AQV410EHA | Tube change |
| PhotoMOS GE 1 Form B | AQV412EH  | Tube change |
| PhotoMOS GE 1 Form B | AQV412EHA | Tube change |
| PhotoMOS GU 1 Form B | AQV414    | Tube change |
| PhotoMOS GU 1 Form B | AQV414A   | Tube change |
| PhotoMOS GU 1 Form B | AQV414EH  | Tube change |
| PhotoMOS GU 1 Form B | AQV414EHA | Tube change |
| PhotoMOS HE 1 Form B | AQV453    | Tube change |
| PhotoMOS HE 1 Form B | AQV453A   | Tube change |
| PhotoMOS HE 1 Form B | AQV454    | Tube change |
| PhotoMOS HE 1 Form B | AQV454A   | Tube change |
| PhotoMOS HE 1 Form B | AQV454H   | Tube change |
| PhotoMOS HE 1 Form B | AQV454HA  | Tube change |
| PhotoMOS GU 2 Form A | AQW210    | Tube change |
| PhotoMOS GU 2 Form A | AQW210A   | Tube change |
| PhotoMOS GU 2 Form A | AQW210EH  | Tube change |
| PhotoMOS GU 2 Form A | AQW210EHA | Tube change |
| PhotoMOS GU 2 Form A | AQW210HL  | Tube change |
| PhotoMOS GU 2 Form A | AQW210HLA | Tube change |
| PhotoMOS GU 2 Form A | AQW212    | Tube change |
| PhotoMOS GU 2 Form A | AQW212A   | Tube change |
| PhotoMOS GU 2 Form A | AQW212EH  | Tube change |
| PhotoMOS GU 2 Form A | AQW212EHA | Tube change |
| PhotoMOS GU 2 Form A | AQW214    | Tube change |
| PhotoMOS GU 2 Form A | AQW214A   | Tube change |
| PhotoMOS GU 2 Form A | AQW214EH  | Tube change |
| PhotoMOS GU 2 Form A | AQW214EHA | Tube change |

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| PhotoMOS GU 2 Form A                | AQW215    | Tube change |
| PhotoMOS GU 2 Form A                | AQW215A   | Tube change |
| PhotoMOS GU 2 Form A                | AQW216    | Tube change |
| PhotoMOS GU 2 Form A                | AQW216A   | Tube change |
| PhotoMOS GE 2 Form A                | AQW216EH  | Tube change |
| PhotoMOS GE 2 Form A                | AQW216EHA | Tube change |
| PhotoMOS GE 2 Form A                | AQW217    | Tube change |
| PhotoMOS GE 2 Form A                | AQW217A   | Tube change |
| PhotoMOS RF 2 Form A Low on-resista | AQW224N   | Tube change |
| PhotoMOS RF 2 Form A Low on-resista | AQW224NA  | Tube change |
| PhotoMOS RF 2 Form A Low on-resista | AQW227N   | Tube change |
| PhotoMOS RF 2 Form A Low on-resista | AQW227NA  | Tube change |
| PhotoMOS HE 2 Form A                | AQW254    | Tube change |
| PhotoMOS HE 2 Form A                | AQW254A   | Tube change |
| PhotoMOS GU 2 Form B                | AQW414    | Tube change |
| PhotoMOS GU 2 Form B                | AQW414A   | Tube change |
| PhotoMOS GE 2 Form B                | AQW414EH  | Tube change |
| PhotoMOS GE 2 Form B                | AQW414EHA | Tube change |
| PhotoMOS GE 2 Form B                | AQW454    | Tube change |
| PhotoMOS GE 2 Form B                | AQW454A   | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW610EH  | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW610EHA | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW612EH  | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW612EHA | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW614    | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW614A   | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW614EH  | Tube change |
| PhotoMOS GE 1 Form A & 1 Form B     | AQW614EHA | Tube change |
| PhotoMOS HE 1 Form A & 1 Form B     | AQW654    | Tube change |
| PhotoMOS HE 1 Form A & 1 Form B     | AQW654A   | Tube change |
| PhotoMOS GE 1 Form A                | AQY210EH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY210EHA | Tube change |
| PhotoMOS GE 1 Form A                | AQY210HL  | Tube change |
| PhotoMOS GE 1 Form A                | AQY210HLA | Tube change |
| PhotoMOS GE 1 Form A                | AQY211EH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY211EHA | Tube change |
| PhotoMOS GE 1 Form A                | AQY212EH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY212EHA | Tube change |
| PhotoMOS GE 1 Form A                | AQY212GH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY212GHA | Tube change |
| PhotoMOS GE 1 Form A                | AQY214EH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY214EHA | Tube change |
| PhotoMOS GE 1 Form A                | AQY216EH  | Tube change |
| PhotoMOS GE 1 Form A                | AQY216EHA | Tube change |
| PhotoMOS GE 1 Form B                | AQY410EH  | Tube change |
| PhotoMOS GE 1 Form B                | AQY410EHA | Tube change |
| PhotoMOS GE 1 Form B                | AQY412EH  | Tube change |
| PhotoMOS GE 1 Form B                | AQY412EHA | Tube change |
| PhotoMOS GE 1 Form B                | AQY414EH  | Tube change |
| PhotoMOS GE 1 Form B                | AQY414EHA | Tube change |