

Product Change Notice: PhotoMOS® Standard Change (REVISION TO PREVIOUS PCN)

Product Group #: PG01

04.17.2025

About This Notice:	We would like to inform you that there is a Revision to <i>Panasonic PCN.PG01.07.30.2024 PhotoMOS Standard Change</i> from July 30, 2024, found here https://na.industrial.panasonic.com/file-download/255266																		
Effective Date:	From June 1, 2024 production onward																		
Change Details:	Updating affected parts list in PCN (removal of some parts) and additional parts added. Original Details: <table><tr><td></td><td>Before</td><td>After (From June 2024 onwards)</td></tr><tr><td>UL certification standard</td><td>UL508/UL1577</td><td>UL1577 only</td></tr></table> Others (The difference between UL508 and UL1577) <table><tr><td>Standard</td><td>Main target products</td><td>Main certification requirements</td><td>Resin used UL certification requirements</td></tr><tr><td>UL508</td><td>Relays, Timers and PLCs etc.</td><td>Certification is based on various requirements such as resin materials, insulation thickness and ratings.</td><td>Yes</td></tr><tr><td>UL1577</td><td>Photo Couplers and PhotoMOS etc.</td><td>Certification is based on factors such as isolation voltage.</td><td>No</td></tr></table>		Before	After (From June 2024 onwards)	UL certification standard	UL508/UL1577	UL1577 only	Standard	Main target products	Main certification requirements	Resin used UL certification requirements	UL508	Relays, Timers and PLCs etc.	Certification is based on various requirements such as resin materials, insulation thickness and ratings.	Yes	UL1577	Photo Couplers and PhotoMOS etc.	Certification is based on factors such as isolation voltage.	No
	Before	After (From June 2024 onwards)																	
UL certification standard	UL508/UL1577	UL1577 only																	
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UL1577	Photo Couplers and PhotoMOS etc.	Certification is based on factors such as isolation voltage.	No																
Affected Parts:	See attached for updated Affected Parts List. Tab 1 includes additional parts; Tab 2 includes parts to remove from original announcement.																		
Datasheet(s):	No change to Datasheets.																		
Notes:	Please contact Panasonic Industry with any questions about this Notice Revision.																		

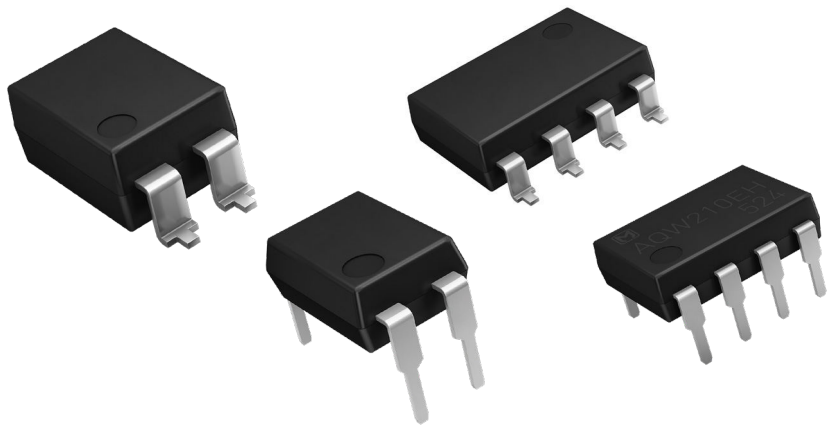
IN Your Innovation

Product Change Notification (PCN)

PhotoMOS® notification of standard change

Change of UL certification

Date: July 4th, 2024
No.: T-1524



Reason for change	UL certification change from UL508 and UL1577 to UL1577 only
Series affected*	DIP4, DIP6, DIP8, SOP4, SOP6, SOP8, Power DIP, SIL4 Part number, specification and price remain unchanged.
Replacement recommendation	Not needed, no technical changes of the relays.
Change schedule	From June 2024 shipments onwards

* Including some customized products. Please contact our sales representative for applicable part numbers

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Part numbers affected

Product type	Package	Part No.
PhotoMOS®	SOP4	AQY***S
	SOP6	AQV***S
	SOP8	AQW***S
	DIP4	AQY***
	DIP6	AQV***
	DIP8	AQW***
	PD4	AQY*7*
	SIL4	AQZ*0*
	SIL4	AQZ19*
MOSFET Drivers	SOP4	APV*121S
	DIP6	APV*122
Solid State Relay	DIP8	AQH*2*3

d Change Affected Parts

Affected Part Numbers
AQV112KL
AQV209G
AQV210EH
AQV210EHA
AQV210EHAX
AQV210S
AQV210SX
AQV212A
AQV212AX
AQV212S
AQV212SX
AQV214
AQV214A
AQV214AX
AQV214EH
AQV214EHA
AQV214EHAX
AQV214H
AQV214HA
AQV214HAX
AQV214S
AQV214SX
AQV215
AQV215A
AQV215AX
AQV215S
AQV215SX
AQV216
AQV216A
AQV216AX
AQV216S
AQV216SX
AQV217
AQV217A
AQV217AX
AQV217S
AQV217SX
AQV224NA
AQV224NAX
AQV224NS

AQV224NSX
AQV227N
AQV227NA
AQV227NS
AQV227NSX
AQV234
AQV234A
AQV234AX
AQV251A
AQV251AX
AQV251G
AQV252
AQV252A
AQV252AX
AQV252G2S
AQV253
AQV253A
AQV253AX
AQV253H
AQV253HA
AQV253HAX
AQV254
AQV254A
AQV254AX
AQV254H
AQV254HA
AQV254HAX
AQV255
AQV255A
AQV255AX
AQV256H
AQV256HA
AQV256HAX
AQV257
AQV257A
AQV257AX
AQV258
AQV258A
AQV258AX
AQV258H5
AQV259
AQV259A
AQV259AX
AQV410EH
AQV410EHA
AQV410EHAX
AQV412EH

AQV412EHA
AQV412EHAX
AQV414
AQV414A
AQV414AX
AQV414EH
AQV414EHA
AQV414EHAX
AQV414SX
AQV453
AQV453A
AQV453AX
AQV454
AQV454A
AQV454AX
AQV454H
AQV454HA
AQV454HAX
AQW210A
AQW210AX
AQW210EH
AQW210EHA
AQW210EHAX
AQW210HL
AQW210S
AQW210SX
AQW212
AQW212A
AQW212AX
AQW212EH
AQW212EHA
AQW212EHAX
AQW212S
AQW212SX
AQW214
AQW214A
AQW214AX
AQW214EH
AQW214EHA
AQW214EHAX
AQW214S
AQW214SX
AQW215
AQW215A
AQW215AX
AQW216
AQW216A

AQW216AX
AQW216EH
AQW216EHA
AQW216EHAX
AQW217
AQW217A
AQW217AX
AQW223R2S
AQW224N
AQW224NA
AQW224NAX
AQW227N
AQW227NA
AQW227NAX
AQW227NSX
AQW254
AQW254A
AQW254AX
AQW414
AQW414A
AQW414AX
AQW414EH
AQW414EHA
AQW414EHAX
AQW414SX
AQW454
AQW454A
AQW454AX
AQW610EH
AQW610EHA
AQW610EHAX
AQW610S
AQW610SX
AQW612EH
AQW612EHA
AQW612EHAX
AQW612S
AQW612SX
AQW614
AQW614A
AQW614AX
AQW614EH
AQW614EHA
AQW614EHAX
AQW654
AQW654A
AQW654AX

AQY210EH
AQY210EHA
AQY210EHAX
AQY210HL
AQY210HLA
AQY210HLAX
AQY210KS
AQY210LS
AQY210LSX
AQY210S
AQY210SX
AQY211EH
AQY211EHA
AQY211EHAX
AQY212EH
AQY212EHA
AQY212EHAX
AQY212GH
AQY212S
AQY212SX
AQY214EH
AQY214EHA
AQY214EHAX
AQY214S
AQY214SX
AQY215S
AQY216EH
AQY216EHA
AQY216EHAX
AQY230S
AQY230SX
AQY232G3HS
AQY232S
AQY232SX
AQY234S
AQY234SX
AQY272
AQY272A
AQY272AX
AQY274
AQY274A
AQY274AX
AQY275
AQY275A
AQY275AX
AQY277
AQY277A

AQY277AX
AQY410EH
AQY410EHA
AQY410EHAX
AQY410S
AQY410SX
AQY412EH
AQY412EHA
AQY412EHAX
AQY412S
AQY412SX
AQY414EH
AQY414EHA
AQY414EHAX
AQY414S
AQY414SX
AQZ102
AQZ102D
AQZ104
AQZ104D
AQZ105
AQZ105D
AQZ107
AQZ107D
AQZ202
AQZ202D
AQZ202G
AQZ204
AQZ204D
AQZ205
AQZ205D
AQZ207
AQZ207D
AQZ404

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Panasonic PCN.PG01.04.17.2025 PhotoMOS Standard

Affected Series	Affected Part Numbers
HF 1 Form A	AQV101
HF 1 Form A	AQV101A
HF 1 Form A	AQV101AX
HF 1 Form A	AQV101AZ
HF 1 Form A	AQV102
HF 1 Form A	AQV102A
HF 1 Form A	AQV102AX
HF 1 Form A	AQV102AZ
HF 1 Form A	AQV103
HF 1 Form A	AQV103A
HF 1 Form A	AQV103AX
HF 1 Form A	AQV104
HF 1 Form A	AQV104A
HF 1 Form A	AQV104AX
HF 1 Form A	AQV104AZ
HF 1 Form A	AQV201
HF 1 Form A	AQV201A
HF 1 Form A	AQV201AX
HF 1 Form A	AQV201AZ
HF 1 Form A	AQV202
HF 1 Form A	AQV202A
HF 1 Form A	AQV202AX
HF 1 Form A	AQV202AZ
HF 1 Form A	AQV203
HF 1 Form A	AQV203A
HF 1 Form A	AQV203AX
HF 1 Form A	AQV203AZ
HF 1 Form A	AQV204
HF 1 Form A	AQV204A
HF 1 Form A	AQV204AX
HF 1 Form A	AQV204AZ
HF 1 Form A	AQV210
HF 1 Form A	AQV210A
HF 1 Form A	AQV210AX
HF 1 Form A	AQV210AZ
GE 1 Form A	AQV210EHAZ
GU SOP 1 Form A	AQV210SZ
GU 1 Form A	AQV212
GU 1 Form A	AQV212AZ
GU SOP 1 Form A	AQV212SZ

GU 1 Form A	AQV214AZ
GE 1 Form A	AQV214EHAZ
GU SOP 1 Form A	AQV214SZ
GU 1 Form A	AQV215AZ
GU SOP 1 Form A	AQV215SZ
GU SOP 1 Form A	AQV216SZ
GU 1 Form A	AQV217AZ
GU SOP 1 Form A	AQV217SZ
RF 1 Form A Low on-resistance	AQV224N
RF 1 Form A Low on-resistance	AQV224NAZ
RF SOP 1 Form A Low on-resistance	AQV224NSZ
RF 1 Form A Low on-resistance	AQV227NAX
RF SOP 1 Form A Low on-resistance	AQV227NSZ
HS 1 Form A	AQV234AZ
HE 1 Form A	AQV251
HE 1 Form A	AQV251AZ
HE 1 Form A	AQV252AZ
HE 1 Form A	AQV253AZ
HE 1 Form A	AQV253HAZ
HE 1 Form A	AQV254AZ
HE 1 Form A	AQV254HAZ
HE 1 Form A	AQV255AZ
HE 1 Form A	AQV256HAZ
HE 1 Form A	AQV257AZ
HE 1 Form A	AQV258AZ
HE 1 Form A	AQV259AZ
GE 1 Form B	AQV410EHAZ
GE 1 Form B	AQV412EHAZ
GU 1 Form B	AQV414AZ
GE 1 Form B	AQV414EHAZ
GU SOP 1 Form B	AQV414S
GU SOP 1 Form B	AQV414SZ
HE 1 Form B	AQV453AZ
HE 1 Form B	AQV454AZ
HE 1 Form B	AQV454HAZ
GU 2 Form A	AQW210
GU 2 Form A	AQW210AZ
GE 2 Form A	AQW210EHAZ
GU SOP 2 Form A	AQW210SZ
GU 2 Form A	AQW212AZ
GE 2 Form A	AQW212EHAZ
GU SOP 2 Form A	AQW212SZ
GU 2 Form A	AQW214AZ
GE 2 Form A	AQW214EHAZ
GU SOP 2 Form A	AQW214SZ
GU 2 Form A	AQW215AZ

GU 2 Form A	AQW216AZ
GE 2 Form A	AQW216EHAZ
GU 2 Form A	AQW217AZ
RF 2 Form A Low on-resistance	AQW224NAZ
RF 2 Form A Low on-resistance	AQW225NA
RF 2 Form A Low on-resistance	AQW227NAZ
RF SOP 2 Form A Low on-resistance	AQW227NS
RF SOP 2 Form A Low on-resistance	AQW227NSZ
RF SOP 2 Form A Low on-resistance	AQW227NSZD05
HE 2 Form A	AQW254AZ
GU 2 Form B	AQW414AZ
GE 2 Form B	AQW414EHAZ
GU SOP 2 Form B	AQW414S
GU SOP 2 Form B	AQW414SZ
HE 2 Form B	AQW454AZ
GE 1 Form A & 1 Form B	AQW610EHAZ
GU SOP 1 Form A & 1 Form B	AQW610SZ
GE 1 Form A & 1 Form B	AQW612EHAZ
GU SOP 1 Form A & 1 Form B	AQW612SZ
GU 1 Form A & 1 Form B	AQW614AZ
GE 1 Form A & 1 Form B	AQW614EHAZ
HE 1 Form A & 1 Form B	AQW654AZ
GE 1 Form A	AQY210EHAD01
GE 1 Form A	AQY210EHAZ
GU 1 Form A Current Limiting	AQY210HLAZ
GU SOP 1 Form A Current Limiting	AQY210LSZ
GU SOP 1 Form A	AQY210SZ
GE 1 Form A	AQY211EHAZ
GE 1 Form A	AQY212EHAZ
GU SOP 1 Form A	AQY212SZ
GE 1 Form A	AQY214EHAZ
GU SOP 1 Form A	AQY214SZ
GE 1 Form A	AQY216EHAZ
HS SOP 1 Form A	AQY232SZ
PD 1 Form A	AQY272AZ
PD 1 Form A	AQY274AZ
PD 1 Form A	AQY275AZ
PD 1 Form A	AQY277AZ
PD 1 Form A	AQY277P33
GE 1 Form B	AQY410EHAZ
GU SOP 1 Form B	AQY410SZ
GE 1 Form B	AQY412EHAZ
GU SOP 1 Form B	AQY412SZ
GE 1 Form B	AQY414EHAZ
GU SOP 1 Form B	AQY414SZ

Change Affected Parts (REVISION TO PREVIOUS PCN)

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