Certificate Number Report Reference Date	UL-US-L496569-2111-91217102-8 E496569-20171219 25-Sep-2023
Issued to:	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road,Jiading District Shanghai, Shanghai Shi 201818 China
This is to certify that presentative samples of	QQJQ2 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment - Component See Addendum Page for Product Designation(s).
	Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 62368-1, 2nd Ed., Issue Date: 2014-12-01
Additional Information:	See the UL Online Certifications Directory at

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

https://iq.ulprospector.com for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Oebrah Jenning - Corner Deborah Jennings-Conner, VP Regulatory Services

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UL LLC

Certificate Number Report Reference Date UL-US-L496569-2111-91217102-8 E496569-20171219 25-Sep-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
PKJ4416HD*, * can be PI, HS, P, OP, LA, UA, UC, OS,	DC-DC Converter
SI, HV, OC, OA and by any combination of above	
characters representing minor differences that do not	
affect safety.	
The definition is as follows:	
All models have at least one of the following suffixes:	
PI - pins for through hole mounting	
PI may be followed by a combination of the following	
additional suffixes:	
P - positive remote control (negative remote control is	
standard)	
$I \Lambda = lead length 3.69 mm (0.145 in) (5.33 mm (0.210 in))$	
is standard)	
$I B \ load \ longth 4.57 mm (0.190 in) (5.22 mm (0.210 in))$	
LD - lead length 4.57 min (0.100 m.) (5.55 min (0.210 m.)	
IS Statiualu)	
LC - lead length 2.79 min (0.110 m.) (5.55 min (0.210	
III.) IS Standard)	
HS - base plate	
M – baseplate with thread	
G - baseplate with ground pin	
OP – optional part list	
UA - Input voltage minimum is 34.5V	
UC-no laser marking in baseplate	
OS -optional part list for sense	
SI - pins for surface mounting	
HV - baseplate with wings	
OC - custom optimized control loop	
OA - Optional output adjust	$\Lambda^{-1}\Lambda^{-1}\Lambda^{-1}\Lambda^{-1}$
PKJ4716A*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI,	DC-DC Converter
HV, OC, OA and by any combination of above	
characters representing minor differences that do not	
affect safety.	
The definition is as follows:	
PI - pins for through hole mounting	
PI may be followed by a combination of the following	
additional suffixes:	
P - positive remote control (negative remote control is	
standard)	
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	

Deborah Jennings-Conner, VP Regulatory Services

 Certificate Number
 UL-US-L496569-2111-91217102-8

 Report Reference
 E496569-20171219

 Date
 25-Sep-2023

LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with thread G - baseplate with organ OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.146 in.) (5.33 mm (0.210 in.) is standard) LA - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - baseplate with thread G - baseplate with thread G - baseplate with thread G - baseplate with round pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate M - baseplate with wings OC - custom optimized control loop OA - Optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional uput adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, CS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as tollows:		
is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKL4716H ⁺ , * can be PJ, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not afficet safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with thread G - baseplate with thread G - baseplate with wings OC - custom optimized control loop OA - Optional part list or sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA ⁺ , can be PJ, HS, P, OP, LA, UA, UC, CS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as tollows:	LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.)	
LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LA - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate with thread G - baseplate with thread G - baseplate with thread S - baseplate with thread G - baseplate with thread S - baseplate with thread M - baseplate with thread M - baseplate with thread S - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as tollows:	is standard)	
in) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part its tor sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKL4716H'', ' can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LB - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) H - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list or sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional part list or sense SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise SI - pins for surface mounting HV - baseplate with organise at bolow Characters representing minor differences that do not affect safety. The definition is as follows:	LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210	
HŚ - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA- Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - poist for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead septlate with thread G - baseplate with thread G - baseplate with thread G - baseplate with ground pin OP - optional part list UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, CS, SI, HV, CC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	in.) is standard)	
M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) C - custom optimized control loop OA - Optional part list for sense SI - pins for surface mounting HV - baseplate with mings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OC-DC Converter OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	HS - base plate	
G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*,* can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LA - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.1100 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.1100 in.) (5.33 mm (0.210 in.) is standard) LG - haseplate with thread G - baseplate with thread G - baseplate with thread G - baseplate with ground pin OP - optional part list ULA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*,* can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	M – baseplate with thread	
OP - optional part list UA - Input voltage minimum is 33.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: P1 - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.100 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard)	G - baseplate with ground pin	
UA - Input voltage minimum is 34.5V UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LG - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) C - custom optimized control loop OA - Optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P. OP, LA, UA, UC, OF, SI, HV, OC, OA and by any combination of above characters representing minor diffe	OP – ontional part list	$\kappa \times \times \times \times$
UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H', * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LA - lead length 2.79 mm (0.140 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead sength 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) CC - custom optimized control loop OA - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4710H*'.* can be PI, HS, P., OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	LLA - Input voltage minimum is 34.5V	n Mit, Mit, Mit, Mit, Mit
OC-ODE OC-ODE OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. DC-DC Converter SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. DC-DC Converter PI - pins for through hole mounting PI - pins for through hole mounting DP may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) Standard) LA - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list OL - optional part list UC-no laser marking in baseplate M - baseplate with wings OC - custom optimized control loop OA - Optional part list DC-DC Converter M - baseplate with wings OC - custom optimized control loop OA - Optional part list DC-DC Converter OS - optional part list for sense SI - pins for surface mounting <	LIC-no laser marking in basenlate	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SI - pints for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LA - lead length 2.79 mm (0.130 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.31 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.31 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.31 mm (0.210 in.) is standard) CC - custom optimized control optimized control optimized control optimized control optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as tollows:	OS optional part list for sonsa	
HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.1160 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list UC - no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety.	SL pipe for surface mounting	
HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*, 'c can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UC-no laser marking in baseplate OS -optional part list UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust OC - custom optimized control loop OA - Optional output adjust OC - Custom optimized control loop	SI - pins for surface mounting	I. VII. VII. VII. VII. VI
OC - clustom optimized control loop OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length voltage minimum is 34.5V UA - Input voltage minimum is 34.5V UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list VD - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not	HV - baseplate with wings	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
OA - Optional output adjust PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LB - base plate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety.	OC - custom optimized control loop	
PKJ4716H ^{-,*} can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: P1 - pris for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M – baseplate with thread G - baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H ⁺ UA ⁺ , * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety.	OA - Optional output adjust	
SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) M - baseplate with thread G - baseplate with thread G - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	PKJ4716H*, * can be PI, HS, P, OP, LA, UA, UC, OS,	DC-DC Converter
characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	SI, HV, OC, OA and by any combination of above	リー・リー・リー・リー・リー・リー・リー・リー・リー・レー・レー・レー・レー・レー・レー・レー・レー・レー・レー・レー・レー・レー
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The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ471(6H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	affect safety.	i, Mir, Mir, Mir, Mir, Mi
PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	The definition is as follows:	
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P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	additional suffixes:	1. VII. VII. VII. VII. VI
standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M – baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	P - positive remote control (negative remote control is	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	standard)	
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LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	is standard)	h Yih Yih Yih Yih Yi
is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M – baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.)	чүлүгүлүгүүгү
LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) HS - base plate M – baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	is standard)	\times \times \times \times \times
 in.) is standard) HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: 	LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210	i Mir Mir Mir Mir Mir
HS - base plate HS - base plate M - baseplate with thread G - baseplate with ground pin OP - optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS - optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	in) is standard)	
M – baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	HS - base plate	
G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	M – basenlate with thread	
OP – optional part list OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	G - baseplate with ground pin	1. VII. VII. VII. VII. VI
UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	OP optional part list	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	UA - Input voltage minimum is 34.5V	
OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	UC no locor marking in boconlate	
SI - pins for surface mounting HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:		h Yili YileYileYileYi
HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	OS -optional part list for sense	「 人 ~ L 八 ~ L 八 ~ L 八 ~ L 八 *
OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	Si - pins for surface mounting	\times \times \times \times \times
OC - custom optimized control loop OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	□ v - baseplate with wings	
OA - Optional output adjust PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	OC - custom optimized control loop	
PKJ4/16H^UA*, * can be PI, HS, P, OP, LA, UA, UC, DC-DC Converter OS, SI, HV, OC, OA and by any combination of above DC-DC Converter characters representing minor differences that do not affect safety. The definition is as follows: DC-DC Converter	OA - Optional output adjust	
OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows:	PKJ4/16H*UA*, * can be PI, HS, P, OP, LA, UA, UC,	DC-DC Converter
characters representing minor differences that do not affect safety. The definition is as follows:	OS, SI, HV, OC, OA and by any combination of above	1. VII. VII. VII. VII. VI
affect safety. The definition is as follows:	characters representing minor differences that do not	
The definition is as follows:	affect safety.	
	The definition is as follows:	

Albrah Jennings-Conner, VP Regulatory Services

UL LLC

Certificate Number Report Reference Date UL-US-L496569-2111-91217102-8 E496569-20171219 25-Sep-2023

	PI - pins for through hole mounting PI may be followed by a combination of the following	Դՠՠՠՠՠ
	additional suffixes:	
	P - positive remote control (negative remote control is standard)	
1	LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	
	LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.)	
	is standard)	
/	LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210	
	in.) is standard)	
	HS - base plate	
	M – baseplate with thread	
	G - baseplate with ground pin	
	UA - Input voltage minimum is 34.5V	
	OC-no laser marking in baseplate	
	SL pipe for surface mounting	
	$HV_{\rm c}$ beconcise with wings	
	ΩC_{-} custom optimized control loop	
1	OA - Optional output adjust	
	PK.I4716HD* * can be PL HS P OP LA UA UC OS	Power Supplies for AV ITE and AVICT
	SI. HV. OC. OA and by any combination of above	Equipment
	characters representing minor differences that do not	
	affect safety.	
	The definition is as follows:	
	All models have at least one of the following suffixes:	
	PI - pins for through hole mounting	
	PI may be followed by a combination of the following	
	additional suffixes:	
1	P - positive remote control (negative remote control is	
	standard)	
	LA - lead length 3.09 mm (0.145 m.) (5.33 mm (0.210 m.)	
	I B - lead length 4 57 mm (0 180 in) (5 33 mm (0 210 in)	
	is standard)	
	I C - lead length 2 79 mm (0 110 in) (5 33 mm (0 210	
ĺ	in.) is standard)	
	HS - base plate	
1	M – baseplate with thread	
	G - baseplate with ground pin	
	OP – optional part list	
	UA - Input voltage minimum is 34.5V	
	UC-no laser marking in baseplate	
ļ	OS -optional part list for sense	
	OS -optional part list for sense SI - pins for surface mounting	

Albrah Jennings-Corne-Deborah Jennings-Conner, VP Regulatory Services

Certificate Number Report Reference Date UL-US-L496569-2111-91217102-8 E496569-20171219 25-Sep-2023

HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust	4.00.00.00.00.00
OA - Optional output adjust PKJ4716HD*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) G - baseplate with thread G - baseplate with ground pin OP – optional part list UA - Input voltage minimum is 34.5V UC-no laser marking in baseplate OS -optional part list for sense SI - pins for surface mounting HV - baseplate with wings	Power Supplies for AV, ITE, and AVICT Equipment
OC - custom optimized control loop OA - Optional output adjust	

Oebrah Jenning - Corne Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Certificate Number Report Reference Date

UL-CA-2010824-6 E496569-20171219 25-Sep-2023

Issued to: Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, Shanghai Shi 201818 China

This is to certify that representative samples of

QQJQ8 - Power Supplies for Use with Audio/Video, Information and Communication Technology Equipment Certified for Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety:CSA C22.2 No. 62368-1-14, 2nd Ed., Issue Date: 2014-12-01Additional Information:See the UL Online Certifications Directory at
https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Debrah Jennings-Corner Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Certificate Number Report Reference Date UL-CA-2010824-6 E496569-20171219 25-Sep-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
PKJ4416HD*, * can be PI, HS, P, OP, LA, UA, UC, OS,	DC-DC Converter
SI, HV, OC, OA and by any combination of above	
characters representing minor differences that do not	
affect safety.	
The definition is as follows:	
All models have at least one of the following suffixes:	
PL - pips for through hole mounting	
PI may be followed by a combination of the following	
edditional outfixee:	
D positivo romoto control (pogotivo romoto control in	
P - positive remote control (negative remote control is	
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	
is standard)	
LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.)	
is standard)	
LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210	
in.) is standard)	
HS - base plate	
M – baseplate with thread	
G - baseplate with ground pin	
OP – optional part list	
UA - Input voltage minimum is 34.5V	
UC-no laser marking in baseplate	
OS -optional part list for sense	
SI - pins for surface mounting	
HV - baseplate with wings	
OC - custom optimized control loop	
OA - Optional output adjust	
PK 1/716A* * can be PL HS P OP LA LIA LIC OS SL	DC-DC Converter
HV OC OA and by any combination of above	Do Do conventer
characters representing minor differences that do not	
affect safety	
The definition is as follows:	
DL pipe for through hole mounting	
PI - pins for unough hole mounting	
Primay be followed by a combination of the following	
additional suffixes:	
P - positive remote control (negative remote control is	
standard)	
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	

Deborah Jennings-Conner, VP Regulatory Services

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 UL-CA-2010824-6

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LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.)	
IS standard)	
in) is standard)	
HS - base plate	
M – baseplate with thread	
G - baseplate with ground pin	
OP – optional part list	
UA - Input voltage minimum is 34.5V	
UC-no laser marking in baseplate	
OS -optional part list for sense	
SI - pins for surface mounting	
HV - baseplate with wings	
OC - custom optimized control loop	
	DC DC Convertor
SI HV OC OA and by any combination of above	DC-DC Convener
characters representing minor differences that do not	
affect safety	
The definition is as follows:	
PI - pins for through hole mounting	
PI may be followed by a combination of the following	
additional suffixes:	
P - positive remote control (negative remote control is	
standard)	
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	
Is standard)	
LD - lead length 4.57 mm (0.160 m.) (5.53 mm (0.210 m.)	
I C - lead length 2 79 mm (0 110 in) (5 33 mm (0 210	
in.) is standard)	
HS - base plate	
M – baseplate with thread	
G - baseplate with ground pin	
OP – optional part list	
UA - Input voltage minimum is 34.5V	
UC-no laser marking in baseplate	
OS -optional part list for sense	
HV_{-} basen late with wings	
OC - custom ontimized control loop	
OA - Optional output adjust	
PKJ4716H*UA*, * can be PI, HS, P, OP, LA, UA, UC,	DC-DC Converter
OS, SI, HV, OC, OA and by any combination of above	
characters representing minor differences that do not	
affect safety.	
The definition is as follows:	

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PI - pins for through hole mounting	
PI may be followed by a combination of the following	
additional suffixes:	
D positivo remote control (pogotivo remote control in	
P - positive remote control (negative remote control is	
standard)	
LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.)	
is standard)	
B - lead length 4 57 mm (0 180 in) (5 33 mm (0 210 in)	
ic standard)	
LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210	
in.) is standard)	
HS - base plate	
M – baseplate with thread	
G - baseplate with ground pin	
OP – ontional part list	
OI = Optional part list	
UA - Input voltage minimum is 54.5V	
UC-no laser marking in baseplate	
OS -optional part list for sense	
SI - pins for surface mounting	
HV - baseplate with wings	
OC - custom optimized control loop	
OA - Optional output adjust	
PK 14716HD* * con bo PL HS P OP LA UA UC OS	Power Supplies for AV ITE and AVICT
$\Gamma_{1,0}$ Γ_{1	
SI, HV, OC, OA and by any combination of above	Equipment
characters representing minor differences that do not	
affect safety.	
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HV - baseplate with wings OC - custom optimized control loop OA - Optional output adjust	
 PKJ4716HD*UA*, * can be PI, HS, P, OP, LA, UA, UC, OS, SI, HV, OC, OA and by any combination of above characters representing minor differences that do not affect safety. The definition is as follows: PI - pins for through hole mounting PI may be followed by a combination of the following additional suffixes: P - positive remote control (negative remote control is standard) LA - lead length 3.69 mm (0.145 in.) (5.33 mm (0.210 in.) is standard) LB - lead length 4.57 mm (0.180 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 2.79 mm (0.110 in.) (5.33 mm (0.210 in.) is standard) LC - lead length 4.57 mm (0.120 i	Power Supplies for AV, ITE, and AVICT Equipment

Debrah Jennings-Corne-Deborah Jennings-Conner, VP Regulatory Services

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