

REFLED008-EVK-002 Parts list

No	Package	Parameters	Part name(series)	Type	Manufacturer
CIN1	-	Open	-	-	-
CIN2	3225	10 μ F, X7S, 50V	GCM32EC71H106KA	Ceramic	Murata
CINP1	3225	4.7 μ F, X7R, 50V	GCM32ER71H475KA	Ceramic	Murata
CINP2	3225	4.7 μ F, X7R, 50V	GCM32ER71H475KA	Ceramic	Murata
CINP3	-	Open	-	-	-
CVIN	1005	0.1 μ F, X7R, 50V	GCM155R71H104KE	Ceramic	Murata
CCOMP	2012	1 μ F, R, 25V	GCM21BR11E105KA	Ceramic	Murata
CVDRV5	2012	2.2 μ F, X7R, 25V	GCM21BR71E225KA	Ceramic	Murata
C1	1005	0.01 μ F, X7R, 50V	GCM155R71H103KA	Ceramic	Murata
C2	1005	0.01 μ F, X7R, 50V	GCM155R71H103KA	Ceramic	Murata
C3	1005	0.01 μ F, X7R, 50V	GCM155R71H103KA	Ceramic	Murata
C4	-	Open	-	-	-
C5	1005	0.01 μ F, X7R, 50V	GCM155R71H103KA	Ceramic	Murata
C6	-	Open	-	-	-
C7	-	Open	-	-	-
C8	1005	1000pF, X7R, 100V	GCM155R72A102KA	Ceramic	Murata
C9	1608	0.01 μ F, X7R, 100V	GCM188R72A103KA	Ceramic	Murata
C10	1608	0.01 μ F, X7R, 100V	GCM188R72A103KA	Ceramic	Murata
CO1	1608	0.01 μ F, X7R, 100V	GCJ188R72A104KA	Ceramic	Murata
CO2	3225	4.7 μ F, X7S, 100V	GCM32DC72A475KE	Ceramic	Murata
CO3	3225	4.7 μ F, X7S, 100V	GCM32DC72A475KE	Ceramic	Murata
CO4	3225	4.7 μ F, X7S, 100V	GCM32DC72A475KE	Ceramic	Murata
CO5	3225	4.7 μ F, X7S, 100V	GCM32DC72A475KE	Ceramic	Murata
L1	W8.5xL8.0xH5.0mm	10 μ H	ETQP5M100YFK	Inductor	Panasonic
L-FIL1	W6.0xL6.0xH4.5mm	2.2 μ H	CLF6045NIT-2R2N-D	Inductor	TDK
U1	W6.5xL6.4xH1.0mm	-	BD18353EFV-M	IC	ROHM
REN1	1005	51k Ω	MCR01 Series	Resistor	ROHM
REN2	1005	10k Ω	MCR01 Series	Resistor	ROHM
RDIM1	-	Open	-	-	-
RDIM2	-	Open	-	-	-
RCOMP	1005	33k Ω	MCR01 Series	Resistor	ROHM
RRT	1005	24k Ω	MCR01 Series	Resistor	ROHM
RDSET1	1005	39k Ω	MCR01 Series	Resistor	ROHM
RDSET2	1005	10k Ω	MCR01 Series	Resistor	ROHM
RSNS	1632	0.16 Ω , 1W	LTR18 Series	Resistor	ROHM
ROPUD1	-	Open	-	-	-
ROPUD2	1005	18k Ω	MCR01 Series	Resistor	ROHM

No	Package	Parameters	Part name(series)	Type	Manufacturer
ROPUD3	1005	680k Ω	MCR01 Series	Resistor	ROHM
RCS	1632	0.024 Ω , 1W	LTR18 series	Resistor	ROHM
RCSSLP	1005	2.4k Ω	MCR01 Series	Resistor	ROHM
R1	1005	47k Ω	MCR01 Series	Resistor	ROHM
R2	1005	47k Ω	MCR01 Series	Resistor	ROHM
R3	1005	10k Ω	MCR01 Series	Resistor	ROHM
R4	1005	47k Ω	MCR01 Series	Resistor	ROHM
R5	1005	47k Ω	MCR01 Series	Resistor	ROHM
R6	-	Short	-	-	-
R7	-	Short	-	-	-
R8	-	Short	-	-	-
R9	1005	10k Ω	MCR01 Series	Resistor	ROHM
D1	TO-277	100V, 8A	RB048RSM10S	Diode	ROHM
Q1	SOT-23	-60V, -0.6A	SSTA56HZG	Bipolar	ROHM
Q2	SOT-23	-60V, -0.6A	SSTA56HZG	Bipolar	ROHM

Important Notes on the Use of Reference Designs

- 1) The contents of this document are subject to change without notice for the purpose of improvement.
- 2) ROHM provides reference designs (including, but not limited to, circuit diagrams, layout data, parts lists, reference boards and their evaluation results, etc.) and all materials related to evaluation boards (hereinafter collectively referred to as "Reference Designs, etc.") to customers for the purpose of referencing them in the development of devices, equipment, software, etc. incorporating ROHM products (hereinafter collectively referred to as "Customer Products"). The design, verification, etc. required for the development of the Customer's Product shall be done at the customer's responsibility and expense. In no event shall the customer use the Reference Designs, etc. for any purpose other than the purpose mentioned above.
- 3) Reference Designs, etc. are provided on an "as is" basis. ROHM disclaims all warranties, express or implied, including, but not limited to, warranties of usefulness, functionality, accuracy, merchantability, and fitness for a particular purpose. In no event shall ROHM be liable for any damages (including, but not limited to, lost profits or other incidental, consequential, or punitive damages) arising out of, related to or in connection with the use of or application of the Reference Designs, etc. whether in contract or tort. For the avoidance of doubt, ROHM does not warrant that the Reference Designs, etc. will work with the Customer's Product.
- 4) When using Reference Designs, etc. be sure to request and verify the latest specifications (including the specifications of the products that compose the Reference Design, etc.) separately.
- 5) The customer shall be responsible for implementing safety measures such as derating, redundant design, fire prevention, backup, and fail-safe measures, etc., to prevent personal injury, fire damage, etc., caused by the Customer's Product developed with Reference Designs, etc. ROHM assumes no liability whatsoever for any use in excess of the ratings or in case of failure to observe the instructions for use.
- 6) The application circuit examples, constants, and other information provided in Reference Designs, etc. are intended to illustrate standard operation and usage. Therefore, when designing for mass production, please take into account various external conditions.
- 7) Reference Designs, etc. are intended to show typical operations and examples of application circuits, etc., and do not constitute a license, express or implied, to implement or use any intellectual property rights or any other rights of ROHM or any other company. ROHM shall not be liable for any disputes arising from, related to or in connection with the use of the Reference Designs, etc.
- 8) Please make sure to contact ROHM and obtain ROHM's consent before using the Reference Designs, etc. for the following Customer's Product that requires particularly high reliability. Transportation equipment (in-vehicle, ship, railroad, etc.), trunk line communication equipment, traffic signal equipment, disaster and security equipment, safety equipment, medical equipment, servers, solar cells, power transmission systems, etc.
- 9) Do not use Reference Designs, etc. for the following Customer's Product that requires extremely high reliability. Aerospace equipment, nuclear power control equipment, submarine relay equipment, etc.
- 10) Do not use Reference Designs, etc. for military use, such as development of weapons of mass destruction, or for any other military purpose.
- 11) ROHM does not assume any liability for any accidents or damages caused by non-compliance with the descriptions in this document.
- 12) The information contained in this document has been carefully prepared to ensure accuracy. However, ROHM shall not be liable for any loss or damage incurred by customers due to errors or misprints in this document.
- 13) Do not reproduce or duplicate any part of this document in any form or by any means without ROHM's permission.



Thank you for your accessing to ROHM product informations.
More detail product informations and catalogs are available, please contact us.

ROHM Customer Support System

<http://www.rohm.com/contact/>