

Bill of Material (BOM)


Product name:RDHP-1614

PCB Number:RDHP-1614-1

Version:v1-1

Creation Date:02.08.2016

RDHP-1614



Value	Designator	Part Description	Package	Parameters	Temperature Range	Quantity	Mounting	Second Source	Manufacturer 1	Type Designation 1
4u7	C1, C2	Ceramic Chip Capacitor	1206	X7R/25V/10%	-55 to +125°C	2	SMT	Y		
470n	C3	Ceramic Chip Capacitor	1206	X7R/16V/10%	-55 to +125°C	1	SMT	Y		
100n	C4	Ceramic Chip Capacitor	0603	NP0,C0G/16V/10%	-55 to +125°C	1	SMT	Y		
BZX384-C5V1	D1	Zener Diode	SOD323	5.1V/250mA/300mW/5%	-65 to +150°C	1	SMT	N	NXP	BZX384-C5V1
HFBR-1522ETZ	D2	Fiber Optic Transmitter	HFBR-x52x	600nm/Horizontal/1MBd	-40 to +85°C	1	THT	N	Avago	HFBR-1522ETZ
NC7WZ14	IC1	UHS Inverter Schmitt Trigger	SC70-6	1.65V to 5.5V/100mA	-40 to +85°C (Ta)	1	SMT	Y		
HFBR-2522ETZ	IC2	Fiber Optic Receiver	HFBR-x52x	600nm/Horizontal/1MBd	-40 to +85°C	1	THT	N	Avago	HFBR-2522ETZ
PMV45EN2	Q1	Logic level N-Channel MOSFET	SOT23	30V/4.1A/510mW/35mOhm	-55 to +150°C	1	SMT	N	NXP	PMV45EN2
2k2	R1a, R1b	Thick Film Chip Resistor	1206	1%/0.25W/200V	-55 to +155°C	2	SMT	Y		
3k3	R2	Thick Film Chip Resistor	0603	1%/0.1W/50V	-55 to +155°C	1	SMT	Y		
330R	R3	Thick Film Chip Resistor	0603	1%/0.1W/50V	-55 to +155°C	1	SMT	Y		
1k	R4	Thick Film Chip Resistor	0603	1%/0.1W/50V	-55 to +155°C	1	SMT	Y		
430R	R5	Power Metal Film Resistor	Axial-0.6	5%/2W/500V/PR02	-55 to +155°C	1	THT	N	Vishay	
2Pin Sauro	X1	Terminal Block	1x2Pin, Pitch 5.08	300V/17.5A/2Pin/5.08mm/180°	-40 to +110°C	1	THT	N	Sauro	MSB02005
RDHP-1614-1	Z1	Printed Circuit Board	N			1	N	N		

**Legend:**

- Mounting: "N" means that the corresponding entry is not a component that must be assembled onto the PCB (accessories, ...).
- Second Source: "N" means that only the listed components from Manufacturer 1/Type Designation 1 to Manufacturer 3/Type Designation 3 can be used.  
"Y" means that all components with a generic release that fulfill the given requirements (value, package, parameters and temperature range) can be used.
- The values listed in the "Temperature Range" column refer to the component temperature (junction, film, ...) unless otherwise specified. If "(Ta)" is indicated, the given values refer to the ambient temperature.