

Comment	Description	Designator	Footprint	LibRef	Quantity	Board	RS VPN	Farnell VPN	Mouser VPN	encomendar	PCDIGA VPN	price	price REV4
C 10nF 0805 MLCC 50V X7R	Capacitores de cerâmica multicamada MLCC - SMD/SMT 10nF 50V X7R 10%	C19, C20, C21, C22	CAPC_0805	Capacitor SMD	4	inversor			603-CC805KRX7R9BB103	20		0,099	1,98 €
C 10uF 1206 MLCC 50V X5R	Capacitores de cerâmica multicamada MLCC - SMD/SMT 1206 50V 10uF 20% X5R	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12	CAPC_1206	Capacitor SMD	12	middlePCB			963-UMK316BBJ106ML-T	60		0,31	18,60 €
C 10uF 2917 TANT 50V	Condensadores de tântalo - revestimento sólido de SMD 50V 10uF 10% ESR=0.8Ohms	C4, C5, C6, C7, C8, C9, C16, C17, C24	CAPC_2917	tantalum_CAP	9	inversor			80-T491D106K050AT	45		1,58	71,10 €
C 1nF 0805 MLCC 50V X7R	Capacitores de cerâmica multicamada MLCC - SMD/SMT WCAP-CSGP 1000pF 0805 10% 50V MLCC	C10, C11, C12, C13, C14, C15	CAPC_0805	Capacitor SMD	6	inversor			710-885012207086	30		0,08	2,40 €
C 33nF MLCC 1812 X7R 630V	Multilayer Ceramic Capacitors MLCC - SMD/SMT 1812 630V 33nF 5% SOFT 2.00mm			810-C4532C0G2J333J20	10	inversor			810-C4532C0G2J333J20	50		1,80 €	90,00 €
C 2uF PPCap TH 630V	Capacitores de película 2.0uF 630volts 10% 37.5mmL/S 1.0mmL/D	C2	PWR_CAP_PP_2u	CAPACITOR_dcbus	1	Filtro			871-B32676E6205K	5		3,62	18,10 €
C 100uF EleCap TH 550V	Aluminium Electrolytic Capacitors - Snap In 550VDC 100uF 20% PVC STD 6.3mm Term	C_bus1, C_bus2, C_bus3, C_bus4	Capacitor_DCBUS	CAPACITOR_dcbus	4	inversor			661-ESMR451N471MR40S	20		6,31 €	126,20 €
IC Ampiso UNI AMC1311	Amplificadores de isolamento A 595-AMC1311DWV	U4, U5	AMC1311 - SOIC8	AMC1311	2	inversor			595-AMC1311DWVR	10		5,55	55,50 €
IC CC/CC 1W 5V	Conversores CC/CC com isolamento 1W 5Vin 5Vout 200mA SIP7	U3, U6, U7	DC/DC_ISO	DC/DC_ISO	4	controlo+inversor			919-RFB-0505S	20		1,4	28,00 €
IC DC/DC 12V	Conversores CC/CC sem isolamento 15-36Vin 12Vout 1.0A VSIP Encapsulated	U7	DC/DC - OKI-78SR-E	DC/DC - R-78E3.3	1	middlePCB			580-OKI78SR12/1W36EC	5		5,31	26,55 €
IC DC/DC 15V ISO	Conversores CC/CC com isolamento 6W 18-36Vin 15Vout 400mA DIP24 Iso	U1	MeanWell SCWN06	MEANWELL - SCWN06	1	middlePCB			709-SCWN06B-15	5		8,26	41,30 €
IC DC/DC 3V3	Conversores CC/CC sem isolamento 3.3V 500MA OUT THRU	U2	DC/DC - R-78E3.3	DC/DC - R-78E3.3	1	middlePCB			919-R-78E3.3-0.5	5		2,43	12,15 €
IC DC/DC 5V	Conversores CC/CC sem isolamento 7-36Vin 5Vout 1.5A VSIP Encapsulated	U3, U4	DC/DC - OKI-78SR-E	DC/DC - R-78E3.3	2	middlePCB			580-OK78SR5/1.5W36EC	10		5,31	53,10 €
IC DIO generic	Diodos - Fins gerais, energia, comutação Hi Conductance Fast	D1, D2, D3	Diode_th	Diode	3	inversor			512-1N4148TR	15		0,09	1,35 €
IC Driver 5A Dual ENA IX4340	Drivers de portas Dual 5A Gate Driver IC	U5, U8, U10	SOIC-MIC4126	Driver - IX4340	3	middlePCB			747-IX4340NETR	15		0,891	13,37 €
IC DUAL MOS DRIVER MIC4127	Drivers de portas 1.5A Dual High Speed MOSFET Driver with Low Thermal Impedance	U12	SOIC-MIC4127	MOS_DRIVER-MIC4127	1	middlePCB			998-MIC4127YME	5		0,76 €	3,78 €
IC IGBT IPM IKCM30F60GA	Controladores e drivers de Motor/Movimento/Ignição IPFS MODULES	U2	ikcm30f60ga	IKCM30F60GA	1	inversor			726-IKCM30F60GDXXKMA1	3		16,25	48,75 €
IC ISO SI8660	Isoladores digitais 1 kV 6-channel digital isolator	U6, U9	SOIC127P610X155-16N	ISO SI8660	2	middlePCB			634-SI8660BA-B-IS1	10		1,82	18,20 €
IC LED 1206	LEDs padrão - SMD GREEN WATER CLEAR	D1, D2, D3, D4	DIODE_1206	LED	4	middlePCB			604-APT3216SGC	20		0,387	7,74 €
IC Relay 5A 5V 5x20mm	Relés para uso geral 1 form A w/ 5VDC Coil-standard type	U11, U13	Relay - G6DN	Relay - G6DN	2	middlePCB			653-G6DN-1A-LDC5	10		1,59	15,90 €
IC XMC4500 Relax LITE	" KIT_XMC45_RELAX_LITE_V1 - Evaluation Board, XMC4500 MCU, Detachable On-Board Debugger, USB Powered "	XMC1	XMC4500	XMC4500	1	controlo	251-8418	2443552		4		14,628	58,51 €
IND RLS-126	Indutores fixos Line Inductors for RECOM Power Supply	L1, L2, L3, L4	Inductor - RLS-126	Inductor	4	middlePCB			919-RLS-126	20		0,549	10,98 €
P 20x2p 2.54	Distribuidores e Alojamento de Fios 20+20 DIL VERTICAL SOCKET TIN				2	CAN			855-M20-7832046	10		2,53 €	25,30 €
P 2p 5mm	Bloques de terminales de PCB de perfil estándar RS de 5,0 mm	P7, P8, P9	connector1x2_parafuso	gen_purpose_conn_1x2	16	controlo	896-6696			80		0,24	19,20 €
P 4p 2.54 MOL FAN	Distribuidores e Alojamento de Fios 4 PIN HEADER WITH FR R WITH FRICTION LOCK	P12	HEADER 4p molex	Header 4p molex	1	middlePCB			538-47053-3000	5		0,405	2,03 €
P 8p 2.54 SR DW 3P	Distribuidores e Alojamento de Fios CGrid Hrd SRDW THo le 8ckt	P1	MOLEX_3p_105431_1103	Header 3	27	Filtro			538-87937-0800	135		0,621	83,84 €
P RJ45 FEMALE	Conectores modulares/Conectores de Ethernet WR-MJ Feml Shielded 8P8C Horztl Tab Down				1	CAN			710-61500814221	5		2,16 €	10,80 €
P RJ45 MALE	Conectores modulares/Conectores de Ethernet RJ45 Connector				2	CAN			530-3SP370808SM2A264	10		0,80 €	7,95 €
R 0 1/8W 0805	Resistores de Filme Espesso - SMD 1/8Watt 0ohms Commercial Use	R6, R7, R8, R9, R11	RESC_0805	Resistor	5	middlePCB			71-CRCW08050000Z0EAC	25		0,09	2,25 €
R 0018 3W 6432 1%	MCLR P12J1DRR018 - SMD Current Sense Resistor, 0.018 ohm, LRP Series, 2512 [6432 Metric], 3 W, ± 5%, Metal Strip	R7, R8, R9	RESC6432X09M	Resistor	3	inversor		2828299		20		0,25 €	4,94 €
R 0039 3W 6432 1%	MCLR P12FIWRR039 - SMD Current Sense Resistor, 0.039 ohm, LRP Series, 2512 [6432 Metric], 3 W, ± 1%, Metal Strip	R7, R8, R9	RESC6432X09M	Resistor	3	inversor		2828259		20		0,271	5,42 €
R 10 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8Watt 10ohms 1% Commercial Use	R5, R10	RESC_0805	Resistor	2	middlePCB			71-CRCW080510R0FKEAC	10		0,09	0,90 €
R 10 5W TH 5%	Resistores de Fio Enrolado - Orifício de Passagem 5W 10 Ohms 5%	R1, R2, R3	PWR_RESC_5W	Resistor	3	Filtro			756-WP55-10RJTO75	15		0,315	4,73 €
R 100 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8Watt 100ohms 1% Commercial Use	R1, R2, R3, R4, R5, R6, R10, R12, R13	RESC_0805	Resistor	9	inversor			71-CRCW0805100RFKEAC	15		0,09	1,35 €
R 150 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8watt 150ohms 1% 100ppm	R1	RESC_0805	Resistor	1	middlePCB			71-CRCW0805-150-E3	5		0,09	0,45 €
R 1k2 1/8 0805 1%	Resistores de Filme Espesso - SMD 1/8watt 1.2Kohms 1%	R4	RESC_0805	Resistor	1	middlePCB			71-CRCW08051K20FKEA	5		0,09	0,45 €
R 1k8 1/8W 0805 1%	Resistores de Filme Espesso - SMD ResA-AS 0805 1k8 1% 125mW TC100	R11	RESC_0805	Resistor	1	inversor			652-CR0805AFX1801EAS	5		0,09	0,45 €
R 2k7 1/8 0805 1%	Resistores de Filme Espesso - SMD 1/8watt 2.7Kohms 1% 100ppm	R2	RESC_0805	Resistor	1	middlePCB			71-CRCW0805-2.7K-E3	5		0,09	0,45 €
R 30k 1/8W 0805 1%	Resistores de Filme Espesso - SMD 0805 30Kohms 1% AEC-Q200	R20, R21, R22, R23, R26, R27, R28, R29, R30, R31, R32, R33	RESC_0805	Resistor	12	inversor			667-ERJ-6ENF3002V	10		0,09	0,90 €
R 330 1/4W 0805 5%	Resistores de Filme Espesso - SMD 1/4watts 330ohms 5				2	CAN			660-RK73B2ATTD331J	10		0,36 €	3,61 €
R 330 1/8 0805 1%	Resistores de Filme Espesso - SMD 1/8Watt 330ohms 1% Commercial Use	R3	RESC_0805	Resistor	1	middlePCB			71-CRCW0805330RFKEAC	5		0,09	0,45 €
R 3K 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8watt 3Kohms 1% 100ppm	R14	RESC_0805	Resistor	1	inversor			71-CRCW0805-3K-E3	5		0,09	0,45 €
R 3k6 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8watt 3.6Kohms 1%	R16	RESC_0805	Resistor	1	inversor			71-CRCW08053K60FKEA	5		0,09	0,45 €
R 470 1/8W 0805 1%	Resistores de Filme Fino - SMD 1/8W 470 ohm 1% 50ppm				1	CAN			603-RT0805FRE07470RL	5		0,05 €	0,26 €
R 49k9 1/8W 0805 1%	Resistores de Filme Espesso - SMD 1/8Watt 49.9Kohms 1% Commercial Use	R17, R18	RESC_0805	Resistor	2	inversor			71-CRCW080549K9FKEAC	10		0,09	0,90 €
R 59 1/4W 0805 1%	Resistores de Filme Espesso - SMD 1/4W 59 OHM 1%				1	CAN			660-RK73H2ATTD59R0F	5		0,11 €	0,56 €
X COOLER H412R	Cooler CPU Cooler Master Hyper H412R	X?	COOLER	cooler	1	inversor					Cooler CPU Cooler Master 4 Hyper H412R	22,90	91,60 €
											TOTAL		993,23 €