

MATERIAL EM ESTOQUE PARA OFERTA CHARLES HORIZON MULTCOMERCIAL - 011 9 8136 0124						
ITEM COD	QTD	PART NUMBER	DESCRIPTION	MANUFACTURER	PREÇO UNITARIO Brazilian R\$	TOTAL Brazilian R\$
1	15	KRE1012182/1 -GPS-36-N-S	ANTENA 36dB Gain GPS Timing antenna ,Specification -GNSS Antenna Frequency Gain:36±2(include LNA, Polarization: Right hand circular , Out of band Rejection:1575±30MHz > 12,	ROSENBERGER	R\$ 195,00	R\$ 2.925,00
2	25	AM29F040-120EC	C I Flash Eprom NOR Flash, 512K x 8, 32 Pin, Plastic, TSSOP	AMD	R\$ 11,99	R\$ 299,75
3	16	ACPL-K30T-500E	C I Optocoupler AC-IN 1-CH Darlington With Base DC-OUT 8-Pin SO Tube -	Broadcom	R\$ 68,26	R\$ 1.092,16
4	0	LT1990AHS8#PBF	C I SP Amp DIFF AMP Single R-R O/P ±18V/36V Automotive 8-Pin SOIC N Tube	Analog Devices	R\$ 98,99	R\$ 0,00
5	4	CC3-05125R-E	CI Module DC-DC 5VIN 1-OUT 12V 0.25A 3W 7-Pin PDIP SMD	LAMBDA	R\$ 54,99	R\$ 219,96
6	10	OPA2340UA	CI Op Amp Dual Precision Amplifier R-R I/O 5.5V 8-Pin SOIC Tube	TEXAS	R\$ 39,99	R\$ 399,90
7	50	C I MIC4423YM	Circuito Integrado MOSFET Driver 3A 2-OUT Low Side Inv 8-Pin SOIC N T/R	Microchip	R\$ 7,99	R\$ 399,50
8	6	T605-010-00000M	CRISTAL Oscilador TCXO 10.000 M	Connor Winfield	R\$ 12,00	R\$ 72,00
9	12	1N4153UR-1	Diodo Rectifier Diode Switching 50V 0.15A 4ns 2-Pin DO-213AA Bag	Microchip	R\$ 13,20	R\$ 158,40
10	100	CRCW120660R4FKTA	Resistor Thick Film 1206 60.4 Ohm 1% 0.25W (1/4W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 3,68	R\$ 368,00
11	2	Antena GPS	Antena GPS 1.575.42 mhz 3.0 a 5.0 V Com Cabo 1,5 mt terminal SMA Macho	China	R\$ 24,99	R\$ 49,98
12	200	NAS1149CN816R	ARRUELA AÇO INOX, espessura 0,0355 mm	Military Fastners	R\$ 0,59	R\$ 118,00
13	1	18A10	Attenuator 18GHz 10dB	Cobham	R\$ 11,99	R\$ 11,99
14	8	M85049/1911W03	BACKSHELL NON ENV EMI/RFI STRT OD CAD SIZE 11	AMPHENOL	R\$ 595,88	R\$ 4.767,04
15	1	SB-17B24-E04L	Brake, Friction, Power off Servo Brake Assembly, SB-17, 1.79 in Outside Diameter, 0.2500 in Bore, 24 Vcc, 10 in-lbs Long Hub	DELTRAN	R\$ 299,98	R\$ 299,98
16	16	CD4066BCN	C I Analog Switch, Quad, SPST, 14 Pin, Plastic, DIP	NATIONAL	R\$ 0,19	R\$ 3,04
17	15	SI5319C-C-GM	C I Any-Frequency Jitter Attenuating Clock	Silicon	R\$ 21,99	R\$ 329,85
18	19	SN74ACT245	C I Bus XCVR Single 8-CH 3-ST 20-Pin SOIC	TEXAS	R\$ 0,19	R\$ 3,61
19	208	P87C51SBAA	C I MICROCONTROLADOR 8BIT 4KB OTP 44PLCC	NXP	R\$ 3,99	R\$ 829,92
20	40	MSP430G2452	C I Microcontrolador 16BIT 8KB FLASH 20DIP	TEXAS	R\$ 1,99	R\$ 79,60
21	24	AT89S51-24PC	C I MICROCONTROLADOR 8BIT 4KB FLASH 40DIP	ATMEL	R\$ 1,99	R\$ 47,76
22	38	THS4031MJG	C I Amplificador operacional Single High Speed Amplifier ±16V/32V 8-Pin CDIP Tube	TEXAS	R\$ 39,99	R\$ 1.519,62
23	56	OPA1632D	C I Audio Amp Speaker 1-CH Mono/2-CH Stereo/4-CH Stereo Class-AB 8-Pin SOIC Tube	TEXAS	R\$ 44,66	R\$ 2.500,96
24	11	SN74HC244N	C I Buffer/Line Driver 8-CH Non-Inverting 3-ST CMOS 20-Pin PDIP Tube	TEXAS	R\$ 0,19	R\$ 2,09
25	1	SN65HVD231QDRQ1	C I CAN 1Mbps Sleep 3.3V Automotive 8-Pin SOIC T/R	Texas	R\$ 31,98	R\$ 31,98
26	10	TPS5410MDREP	C I Conversor DC-DC 5.5V to 36V Step Down Single-Out 1.23V to 31V 1.2A 8-Pin SOIC T/R	TEXAS	R\$ 6,55	R\$ 65,50
27	50	CD4040BE	C I Counter/Divider Single 12-Bit Binary UP 16-Pin PDIP Tube	TEXAS	R\$ 0,19	R\$ 9,50
28	3	MC33063ADG	C I DC-DC 3V to 40V Non-Inv/Inv/Step Up/Step Down Single-Out 1.25V to 40V 1.5A 8-Pin...	Philippness	R\$ 0,19	R\$ 0,57
29	15	VO615A	C I DC-IN 1-CH Transistor DC-OUT 4-Pin PDIP	VISHAY	R\$ 0,59	R\$ 8,85
30	40	4N25SR2M	C I DC-IN 1-CH Transistor With Base DC-OUT 6-Pin PDIP SMD T/R	ON Semi	R\$ 0,29	R\$ 11,60
31	17	HCF4515BE	C I DECODER/DRIVER, 4000/14000/40000 SERIES, INVERTED OUTPUT, CMOS, PDIP24	SGS	R\$ 0,99	R\$ 16,83
32	9	24LC64-E/MS	C I EEPROM Serial-2Wire 64K-bit 8K x 8 3.3V/5V Automotive 8-Pin MSOP	Microchip	R\$ 8,58	R\$ 77,22
33	9	74F545PC	C I F/FAST SERIES, 8-BIT TRANSCIEVER, TRUE OUTPUT, PDIP20	TEXAS	R\$ 0,99	R\$ 8,91
34	10	MC145193F	C I Frequency Synthesizer, 20 Pin, Plastic, SOP	Motorola	R\$ 8,99	R\$ 89,90
35	275	SN74AC14SC	C I Inverter Schmitt Trigger 6-Element CMOS 14-Pin SOIC N T/R	Fairchild	R\$ 0,49	R\$ 134,75
36	13	LTC3042HDD#PBF	C I LDO Regulator Pos 0.4V to 2.6V 1.5A 10-Pin DFN EP Tube	Analog Devices	R\$ 49,88	R\$ 648,44
37	14	TPS7A8101QDRBRQ1	C I LDO Regulator Pos 0.8V to 6V 1A Automotive 8-Pin VSON EP T/R	Analog Devices	R\$ 558,68	R\$ 7.821,52
38	28	LT3045EDD-1#TRPBF	C I LDO Regulator Pos 0V to 15V 0.5A Automotive 12-Pin DFN EP	Analog Devices	R\$ 54,17	R\$ 1.516,76
39	3	LT3088HST#PBF	C I LDO Regulator Pos 0V to 34.5V 0.8A Automotive 4-Pin(3+Tab) SOT-223 Tube	Analog Devices	R\$ 8,99	R\$ 26,97
40	3	LT3088HST#PBF	C I LDO Regulator Pos 0V to 34.5V 0.8A Automotive 4-Pin(3+Tab) SOT-223 Tube	Analog Devices	R\$ 14,90	R\$ 44,70

41	0	TPS767D301QPWPRQ1	C I LDO Regulator Pos 1.5V to 5.5V3.3V 1A Automotive 28-Pin HTSSOP EP T/R	TEXAS	R\$ 119,54	R\$ 0,00
42	40	TPS71530QCKRQ1	C I LDO Regulator Pos 3V 0.05A Automotive 5-Pin SC-70 T/R	TEXAS	R\$ 3,01	R\$ 120,40
43	21	AM26LS30PC	C I Line Driver, 2 Driver, 16 Pin, Plastic, DIP	AMD	R\$ 2,99	R\$ 62,79
44	42	HCPL4506-000E	C I Logic Output Optocouplers 1MBd 1Ch 10mA	Broadcom	R\$ 4,99	R\$ 209,58
45	34	LT1014DMDWREP	C I LT1014D-EP Enhanced Product Quad Precision Operational Amplifier	TEXAS	R\$ 44,52	R\$ 1.513,68
46	20	SN65LVDM176DGK	C I LVDS Transceiver 400Mbps 0.454V 8-Pin VSSOP T/R	TEXAS	R\$ 1,99	R\$ 39,80
47	2	ICM20649	C I MEMS DEV, GYROSCOPE/ACCELEROMETER, LGA MotionTracking Device Digital Output 1.8V 24-Pin QFN EP T/R	INVENSENSE	R\$ 398,44	R\$ 796,88
48	1	P89C669FA	C I Microcontrolador MCU 8BIT 96KB FLASH 44PLCC	NXP	R\$ 69,99	R\$ 69,99
49	4	AN87C196KD	C I MICROCONTROLDAOR 16 BITS PLCC 64	INTEL	R\$ 235,00	R\$ 940,00
50	1	AD8343ARUZ	C I MIXER 0HZ-2.5GHZ UP/DWN 14TSSOP	Analog Devices	R\$ 3,99	R\$ 3,99
51	8	LT1490AHS8#PBF	C I Op Amp Dual Micropower Amplifier R-R I/O ±22V/44V Automotive 8-Pin SOIC N Tube	Analog Devices	R\$ 21,06	R\$ 168,48
52	1	TL074IDRE4	C I Op Amp Quad Low Noise Amplifier ±15V/30V 14-Pin SOIC Tube	TEXAS	R\$ 6,98	R\$ 6,98
53	27	OPA4340UA	C I Op Amp Quad Precision Amplifier R-R I/O 5.5V 14-Pin SOIC	TEXAS	R\$ 19,84	R\$ 535,68
54	14	AD8551ARZ	C I Op Amp Single Auto Zero/Chopper R-R I/O 5V 8-Pin SOIC N Tube	Analog Devices	R\$ 79,88	R\$ 1.118,32
55	8	OPA820IDBVR	C I Op Amp Single High Speed Amplifier ±6V/12V 5-Pin SOT-23 T/R	TEXAS	R\$ 43,99	R\$ 351,92
56	4	OPA820ID	C I Op Amp Single High Speed Amplifier ±6V/12V 8-Pin SOIC Tube	TEXAS	R\$ 43,99	R\$ 175,96
57	6	LTC6090HS8#PBF	C I Op Amp Single Precision Amplifier R-R O/P ±70V/140V Automotive 8-Pin SOIC	Analog Devices	R\$ 31,55	R\$ 189,30
58	16	TIL103	C I Optocoupler, DC Input, Transistor Output, 1 Channel, 1KV Isolation, CAN-8.	TEXAS	R\$ 35,33	R\$ 565,28
59	23	ACPL-M43T-000	C I OPTOISOLATOR 4KV TRANSISTOR 5-SO	Broadcom	R\$ 23,00	R\$ 42,88
60	30	ACPL-K44T-500E	C I OPTOISOLATOR 5KV 2CH TRANSISTOR	Broadcom	R\$ 11,00	R\$ 330,00
61	80	ETQP4M3R3KVK	C I Power Choke Shielded Wirewound 3.3uH 20% 100KHz Metal 8.9A 0.01551Ohm DCR Automotive T/R	Panasonic	R\$ 39,19	R\$ 3.135,20
62	180	SAB6456A	C I prescaler for UHF/VHF tuners. It can be switched divide-by-256	PHILIPS	R\$ 6,99	R\$ 1.258,20
63	4	ADL5380ACPZ-R7	C I Quadrature Dmod 6GHz 24-Pin LFCSP EP T/R	Analog Devices	R\$ 116,88	R\$ 467,52
64	1	REF3430QDBVRQ1	C I REF34-Q1 AUTOMOTIVE LOW-DRIFT LO	Texas	R\$ 39,55	R\$ 39,55
65	3	MCP1703-2502E/DB	C I regulador Linear 2.5V 250MA SOT223-3	Microchip	R\$ 0,99	R\$ 2,97
66	10	TDA8822T	C I RF MODULATOR, 24 Pin, Plastic, SOP	PHILIPS	R\$ 3,99	R\$ 39,90
67	3	MCP9700AT-E/LT	C I SENSOR ANALOG -40C-125C SC70-5	Microchip	R\$ 108,44	R\$ 325,32
68	16	PALCE22V10-15PC	C I Simple E²PLD, Programmable Array Logic, 24 Pin, Plastic, DIP	AMD	R\$ 16,99	R\$ 271,84
69	11	LTC2852HMS#PBF-ND	C I Single Transmitter/Receiver RS-422/RS-485 Automotive 10-Pin MSOP Tube	Analog Device	R\$ 29,88	R\$ 328,68
70	15	INA105KU	C I SP Amp DIFF AMP Single ±18V 8-Pin SOIC	TEXAS	R\$ 12,33	R\$ 184,95
71	2	AD8336ACPZ-R7	C I SP Amp Variable Gain Amp Single ±12V 16-Pin LFCSP EP T/R	Analog Devices	R\$ 132,88	R\$ 265,76
72	10	MC7824BD2TG	C I Standard Regulator Pos 24V 1A 3-Pin(2+Tab) D2PAK Tube	Onsemi	R\$ 4,18	R\$ 41,80
73	4	LM140H-5.0/883	C I Standard Regulator Pos 5V 1A 3-Pin TO-39	TEXAS	R\$ 12,99	R\$ 51,96
74	10	SE555DR	C I Standard Timer Single -55°C 125°C 8-Pin SOIC T/R	TEXAS	R\$ 23,94	R\$ 239,40
75	105	TC4514BP	C I V(dd): -05 to +20V; V(in/out): -0.5 to +0.5V; +10mA; 300mW; 4-bit latch/4-to16 line decoder	Toshiba	R\$ 0,59	R\$ 61,95
76	18	AD828AN	C I Video Amp Dual 100MHz ±18V 36V 8-Pin PDIP	Analog Devices	R\$ 9,99	R\$ 179,82
77	6	LT6654BMPS6-3TRMPBF	C I V-Ref Precision 3V 10mA Automotive 6-Pin TSOT-23 T/R	Analog Devices	R\$ 79,88	R\$ 479,28
78	6	115101-19-M0.25	Cabo Jumper Cable Assembly Coaxial 0.25m BNC to BNC M-M Bag	Amphenol	R\$ 85,00	R\$ 510,00
79	3	1351110-01-06.00	Cabo Jumper RG316/U 0.152m SMA to SMA PL-RCP	Amphenol	R\$ 129,00	R\$ 387,00
80	1	CS-HH-018	CABO SCSI LVD 2 X HP-DB68 MALE 2 METROS	HORXX	R\$ 135,00	R\$ 135,00
81	5	VGA105BNC	CABO VGA BNC DB 15 X 5 BNC MACHO 30,4 cms	American Cables	R\$ 12,99	R\$ 64,95
82	100	ECA1HEN4R7	Cap Aluminum 4.7uF 50V 20% (5 X 11mm) Radial Aluminum Cylindrical Can 2mm 30mA 1000 hr 105°C Bulk	Panasonic	R\$ 0,69	R\$ 69,00

83	10	EEE-TP1H102M	Cap Aluminum Lytic 1000uF 50V 20% (18 X 16.5mm) SMD 0.078 Ohm 2100mA 3000h 125°C Automotive T/R	Panasonic	R\$ 12,00	R\$ 120,00
84	18	CGA4J2X7R1H104K125AE	Cap Ceramic 0.1uF 50V X7R 10% Pad SMD 0805 Soft Termination 125°C Automotive T/R	TDK	R\$ 0,55	R\$ 9,90
85	32	100A100FW150XT	Cap Ceramic 10pF 150V +90±20ppm/C 1% Pad SMD 125°C Low ESR T/R	ATC	R\$ 1,11	R\$ 35,52
86	20	C0805C102K5RAC	Capacitor Ceramico 0.001uF 50V X7R 10% SMD 0805 125°C Paper T/R	KEMET	R\$ 0,69	R\$ 13,80
87	22	18125C103KAT1A	Capacitor Ceramico 0.01uF 1500V X7R 10% Pad SMD 1812 125°C Low ESR T/R	AVX	R\$ 5,88	R\$ 129,36
88	45	C2012X7R1A106K125AC	Capacitor Ceramico 10uF 10V X7R 10% Pad SMD 0805 125°C Low ESR T/R	TDK	R\$ 1,28	R\$ 57,60
89	8	CGA3E2C0G1H150J080AA	Capacitor Ceramico 15pF 50V C0G 5% Pad SMD 0603 125°C Low ESR Automotive	TDK	R\$ 0,53	R\$ 4,24
90	196	CKG57NX7S2A226M500JJ	Capacitor Ceramico 22uF 100V X7S 20% Pad SMD 2 Stacked 125°C Low ESR Automotive T/R	TDK	R\$ 41,55	R\$ 8.143,80
91	300	C1206C330K1GAC7804	Capacitor Ceramico 33pF 100V C0G 10% Pad SMD 1206 125°C Extreme Low ESR	KEMET	R\$ 0,69	R\$ 207,00
92	490	ATC600F1R0BT250XT	Capacitor Silicon RF Capacitors / Thin Film 250V 1pF Tol 0.1pF Las Mkg Vertical	Kyocera	R\$ 9,86	R\$ 4.831,40
93	12	C1206C105M5RACAUTO	Capacitor Ceramico 1uF 50V X7R 1206	KEMET	R\$ 0,69	R\$ 8,28
94	29	ECJ2FR1E225K	Capacitor Ceramico 2.2UF 25V X5R 0805	Panasonic	R\$ 0,23	R\$ 6,67
95	50	C18AH1R0B-GUN-X0B	Capacitor Ceramico Dieletrico 1,0PF X 2000 V	Dielectric Lab	R\$ 18,99	R\$ 949,50
96	20	06035C332KAT2A	Capacitor Ceramico 0.0033uF 50V X7R 10% 0603	AVX	R\$ 0,39	R\$ 7,80
97	180	CGA2B3X5R1V102K050BB	Capacitor Ceramico 0.01uF 35V X5R 10% Pad SMD 0402 85°C Low ESR Automoti	TDK	R\$ 0,98	R\$ 176,40
98	36	CGA5L3X7R2E104K160AA	Capacitor Ceramico 0.1uF 250V X7R 10% Pad SMD 1206 125°C Automotive T/R	TDK	R\$ 4,99	R\$ 179,64
99	13	CGA5L3X7R1V225M160AE	Capacitor Ceramico 2.2UF 35V X7R 1206	TDK	R\$ 2,99	R\$ 38,87
100	10	CGA2B3X5R1V104K050BB	Capacitor Ceramico 0.1uF 35V X5R 10% Pad SMD 0402 85°C Low ESR Automotive T/R	AVX	R\$ 0,39	R\$ 3,90
101	8	CGA4J2X7R1H104K125AM	Capacitor Ceramico 0.1uF 50V X7R 10% Pad SMD 0805 OMD-CAP 125°C Automotive	TDK	R\$ 3,98	R\$ 31,84
102	110	CGA4J2X7R1H224K125A	Capacitor Ceramico 0.22uF 50V X7R 10% Pad SMD 0805 125°C Low ESR Automotive T/R	TDK	R\$ 2,59	R\$ 284,90
103	9	CGA3E3X8R1C474K080AB	Capacitor Ceramico 0.47uF 16V X8R 10% Pad SMD 0603 150°C Automotive T/R	TDK	R\$ 4,26	R\$ 38,34
104	100	CGA4J3X7R1H474K125AB	Capacitor Ceramico 0.47uF 50V X7R 10% Pad SMD 0805 125°C Low ESR Automotive T/R	TDK	R\$ 4,26	R\$ 426,00
105	48	CGA3E2C0G2A101J080AA	Capacitor Ceramico 100pF 100V C0G 5% Pad SMD 0603 125°C Automotive T/R	TDK	R\$ 0,98	R\$ 47,04
106	44	GCM1555C1H100JA16J	Capacitor Ceramico 10pF 50V C0G 5% Pad SMD 0402 125°C Automotive	TDK	R\$ 0,49	R\$ 21,56
107	32	C0805C106K4PACTU	Capacitor Ceramico 10uF 16V X5R 10% Pad SMD 0805 85°C T/R	KEMET	R\$ 1,24	R\$ 39,68
108	110	GCM31CR71C06KA64L	Capacitor Ceramico 10uF 16V X7R 10% Pad SMD 1206 125°C Automotive T/R	Murata	R\$ 6,94	R\$ 763,40
109	94	CGA3E2C0G1H150J080AA	Capacitor Ceramico 15pF 50V C0G 5% Pad SMD 0603 125°C Low ESR Automotive T/R	TDK	R\$ 4,26	R\$ 400,44
110	17	C0805C105K3RACAUTO	Capacitor Ceramico 1uF 25V X7R 10% Pad SMD 0805 125°C Automotive T/R	KEMET	R\$ 1,68	R\$ 28,56
111	8	GCM31MR71H105KA55L	Capacitor Ceramico 1uF 50V X7R 10% Pad SMD 1206 125°C Automotive T/R	Murata	R\$ 1,53	R\$ 12,24
112	53	CGA3E1X5R1C225K080AC	Capacitor Ceramico 2.2uF 16V X5R 10% Pad SMD 0603 85°C Low ESR Automotive T/R	TDK	R\$ 4,26	R\$ 225,78
113	190	CGA4J3X7R1H225K125AB	Capacitor Ceramico 2.2uF 50V X7R 10% Pad SMD 0805 125°C Low ESR Automotive T/R	TDK	R\$ 2,12	R\$ 402,80
114	24	CGA3E20G1H330J080AA	Capacitor Ceramico 33pF 50V C0G 5% Pad SMD 0603 125°C Low ESR Automotive T/R	TDK	R\$ 3,75	R\$ 90,00
115	20	CGA4J1X7R1H475K125AC	Capacitor Ceramico 4.7uF 50V X7R 10% Pad SMD 0805 125°C Low ESR Automotive T/R	TDK	R\$ 0,49	R\$ 9,80
116	135	08055A430JAT2A	Capacitor Ceramico 43pF 50V C0G 5% Pad SMD 0805	AVX	R\$ 0,05	R\$ 6,75
117	32	GCM1555C1H471FA16D	Capacitor Ceramico 470pF 50V C0G 1% Pad SMD 0402 125°C Automotive T/R	MURATA	R\$ 0,49	R\$ 15,68
118	10	C2012XR7R1H475K125AC	Capacitor Ceramico 47uF 10V X5R 20% Pad SMD 0805 85°C Low ESR	TDK	R\$ 1,28	R\$ 12,80
119	10	C2012XR7R1H475K125AE	Capacitor Ceramico 47uF 10V X5R 20% Pad SMD 0805 85°C Low ESR	TDK	R\$ 1,28	R\$ 12,80
120	32	CKG57KX7S2A685K335JJ	Capacitor Ceramico 6.8uF 100V X7S 10% SMD 2220 125°C Blister Plastic	TDK	R\$ 56,07	R\$ 1.794,24
121	127	CGA5L1X7R1C685K160ACCT-ND	Capacitor Ceramico 6.8UF 16V X7R 1206	TDK	R\$ 9,88	R\$ 1.254,76
122	37	C0805C106K8RACAUTO	Capacitor Ceramico AEC-Q200, 10UF, 10V, MLCC, 0805, Capacitance:10µF, Voltage Rating:10V.:0805 ± 10%, X7R	KEMET	R\$ 5,20	R\$ 192,40
123	100	GCM21BR72A104JA37L	Capacitor Ceramico Multilayer Ceramic Capacitors MLCC - SMD/SMT .1UF 100V 5% 0805	Murata	R\$ 5,76	R\$ 576,00
124	58	ATC700A680FW150X	Capacitor Ceramico Multilayer Ceramic Capacitors MLCC - SMD/SMT 150volts 68pF 1%	AVX	R\$ 25,55	R\$ 1.481,90

125	20	B32529C102K	Capacitor Filme Poliester 1000pf x 63 v 10%	TDK EPCOS	R\$ 0,39	R\$ 7,80
126	20	CGA4J3X7R1H105K125AB	Capacitor p Ceramico 1uF 50V X7R 10% Pad SMD 0805 125°C Low ESR Automotive T/R	TDK	R\$ 4,98	R\$ 99,60
127	20	B32524R6225K000	Capacitor Poliester 2.2uF 400V PET 10% (31.5 X 11 X 21mm) Radial Wound 27.5mm 125°C Automotive	TDK EPCOS	R\$ 1,99	R\$ 39,80
128	50	FKP2D012201D00JSSD	CAPACITOR POLYPROPYLENE PP FILM, 2200PF, 100V, 5%, RADIAL, Dielectric Type:Film / Foil PP	WIMA	R\$ 7,99	R\$ 399,50
129	4	TAJE106M050RNJ	Capacitor Tantalum 10uF 50V E CASE 20% (7.3 X 4.3 X 4.1mm) Inward L SMD 7343-43 0.8 Ohm...	AVX	R\$ 7,98	R\$ 31,92
130	7	T495D157K010ATE100	Capacitor Tantalum 150uF 10V D CASE 10% (7.3 X 4.3 X 2.8mm) SMD 7343-31 0.1 Ohm 125°C T/R...	KEMET	R\$ 0,55	R\$ 3,85
131	68	T491D336K035ATAUTO	Capacitor Tantalum 33uF 10% 35V 2917	KEMET	R\$ 39,96	R\$ 2.717,28
132	8	KEMT491D227K016AT	Capacitor Tantalum SMD 16V 220uF 2917 10% ESR=900mOhms	KEMT	R\$ 2,99	R\$ 23,92
133	23	T491X107K025A5	Capacitor Tantalum Solid 100uF 25V X CASE 10% (7.3 X 4.3 X 4mm) Inward L SMD 7343-43 0.3 Ohm 125°C T/R	KEMET	R\$ 35,98	R\$ 827,54
134	8	T491X107K020A5	Capacitor, Tantalum, 100uf, 20V, 10±%	KEMET	R\$ 35,98	R\$ 287,84
135	15	EM9767P	CAPSULA DE ELETRETO - 58dB +- 2dB	China	R\$ 0,99	R\$ 14,85
136	51	ELETRETO +- 58dB	Capsula de Eletreto +- 58dB	China	R\$ 0,39	R\$ 19,89
137	23	ACS725LLCTR-20AB-T	CI SENSOR CURRENT HALL 20A AC/DC	Allegro Mycro	R\$ 64,84	R\$ 1.491,32
138	3	HCF4515BE	CI DECODER/DRIVER, 4000/14000/40000 SERIES, INVERTED OUTPUT, CMOs, PDIP24	SIGNECTICS	R\$ 0,99	R\$ 2,97
139	11	SE555D	CI IC, PRECISION TIMER, 8SOIC, Frequency:-, Supply Voltage Min:4.5V, Supply Voltage Max:18V, Digital IC Case:SOIC	TEXAS	R\$ 23,94	R\$ 263,34
140	5	BMX055	CI IMU ACCEL/GYRO/MAG I2C/SPI 20LGA	BOSCH	R\$ 194,55	R\$ 972,75
141	13	LT3042HDD#PBF	CI LDO Regulator Pos 0V to 15V 0.2A Automotive Medical 10-Pin MSOP EP Tube	Analog Devices	R\$ 14,58	R\$ 189,54
142	9	TPS76350QDBVRQ1	CI LDO Regulator Pos 5V 0.15A Automotive 5-Pin SOT-23 T/R	TEXAS	R\$ 175,64	R\$ 1.580,76
143	8	LT1014DMDW	CI Op Amp Quad Low Offset Voltage Amplifier 16-Pin SOIC T/R	TEXAS	R\$ 29,88	R\$ 239,04
144	96	MAR-1-SM+	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 6,51	R\$ 624,96
145	28	MAR-7-SM+	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 6,51	R\$ 182,28
146	30	ERA-1+	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 6,51	R\$ 195,30
147	5	LFCN-1000D+	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 12,00	R\$ 60,00
148	9	ROS-900PV	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 77,00	R\$ 693,00
149	4	ADE-42MH	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 33,00	R\$ 132,00
150	8	ADT1-1WT	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 7,51	R\$ 60,08
151	5	LM2903N	CIRCUITO INTEGRADO	ON SEMI	R\$ 1,00	R\$ 5,00
152	10	LM317BTG	CIRCUITO INTEGRADO	ON SEMI	R\$ 15,66	R\$ 156,60
153	11	SN74HC595DBR	CIRCUITO INTEGRADO	TEXAS	R\$ 0,50	R\$ 5,50
154	4	SN5413J	CIRCUITO INTEGRADO	TEXAS	R\$ 9,99	R\$ 39,96
155	50	MCL11	CIRCUITO INTEGRADO	ON SEMI	R\$ 2,00	R\$ 100,00
156	5	DAT31R5-SP+	CIRCUITO INTEGRADO	MINI CIRCUITS	R\$ 18,00	R\$ 90,00
157	10	Q1A3M-T	Circuito Integrado	NEC	R\$ 3,55	R\$ 35,50
158	7	SN6501QDBVRQ1	CIRCUITO INTEGRADO XFRMR DRVR NCH 350MA SOT23-5	TEXAS	R\$ 16,75	R\$ 117,25
159	6	M27C256-12F1	Circuito Integrado Eprom 256 K	ST THONSOM	R\$ 12,55	R\$ 75,30
160	30	SST395F010A-55-4I-WHE	Circuito Integrado Flash Parallel 5V 1Mbit 128K x 8bit 55ns 32-Pin TSOP	Microchip	R\$ 15,88	R\$ 476,40
161	10	MAX208CWG	Circuito Integrado MAX208 Series 120 kbps 5.5V Surface Mount RS-232 Transceiver - SOIC-24W	MAXIM	R\$ 9,99	R\$ 99,90
162	10	AT45DB641E-MHN-T	Circuito Integrado NOR Flash Serial-SPI 1.8V/2.5V/3.3V 64M-bit 8M x 8 7ns 8-Pin UDFN EP T/R	ADESTO	R\$ 17,52	R\$ 175,20
163	20	MAX3053ESA+	Circuito Integrado TRANSCEIVER, 2MBPS, 5V, NSOIC-8	MAXIM	R\$ 3,00	R\$ 60,00
164	1	RD50M000T20 AA	Conector D-SUB HOUSING PLUG 50POS	Positronic	R\$ 144,88	R\$ 144,88
165	3	MS27467T15B35PA	Conector Circular PIN 37 POS Crimp ST Cable Mount 37 Terminal 1 Port	AMPHENOL	R\$ 348,90	R\$ 1.046,70
166	3	MS27468T15B35S	Conector Circular MIL Spec Connector 37P SZ15 Jam Nut REC MIL-DTL-38999 I &SJT	CONESYS	R\$ 572,38	R\$ 1.717,14

167	24	9670155715	Conector DB 15 Solda Placa Femea 180 graus	HARTING	R\$ 2,99	R\$ 71,76
168	3	DB 9 FEMEA SOLDA FIO	Conector DB 9 FEMEA SOLDA FIO	China	R\$ 2,49	R\$ 7,47
169	20	DB 9 MACHO SOLDA FIO	Conector DB 9 MACHO SOLDA FIO	China	R\$ 2,49	R\$ 49,80
170	20	9670154715	Conector DB15 Solda Fio Femea 180 graus	HARTING	R\$ 2,99	R\$ 59,80
171	4	PE9085	Conector RF BNC Male to BNC Female Right Angle Adapter	PASTERNAK	R\$ 15,00	R\$ 60,00
172	100	RJ45 placa cabo	Conector RJ45 para solda placa 90 Graus Cinza	China	R\$ 0,49	R\$ 49,00
173	14	3206.2-1	CONECTOR SMA FEMEA BASE QUADRADA para RF	COAXICOM	R\$ 14,33	R\$ 200,62
174	1	R114075000	Conector SMB PL 0Hz to 4GHz 500hm Crimp ST Cable Mount Gold Over Nickel	Radiall	R\$ 15,00	R\$ 15,00
175	18	MS27656T11B355A	Connector Circular SKT 13 POS Crimp ST Cable Mount 13 Terminal 1 Port	Powell	R\$ 387,44	R\$ 6.973,92
176	30	MMCX-J-P-H-ST-D-SM1	Connector MMCX 0Hz to 6GHz 500hm Solder ST Edge Mount F Gold Over Nickel Tray	SAMTEC	R\$ 19,88	R\$ 596,40
177	5	CLP-112-02-FDH	Connector 24P 0.05 GOLD SMD R/A	Samtec	R\$ 1,55	R\$ 7,75
178	8	1-1469491-2	Connector Accessories Pin External Thread Straight Zinc Alloy Silver VITA 46 Package	TE Connectivity	R\$ 4,99	R\$ 39,92
179	1	MS27467T19B32PA	Connector Circular PIN 6 POS Crimp ST Cable Mount 6 Terminal 1 Port	Amphenol	R\$ 87,00	R\$ 87,00
180	20	TML-110-02-L-D-SM	Connector Conn Shrouded Header (4 Sides) HDR 20 POS 1.27mm Solder ST SMD Tube	SAMTEC	R\$ 69,94	R\$ 1.398,80
181	4	UT010AD	Connector junta para cabo coaxial	SORIAU	R\$ 33,00	R\$ 132,00
182	10	9693017172	Connector Receptaculo Femea DB 25	HARTING	R\$ 13,99	R\$ 139,90
183	3	9332006223	CONTACT, SOCKET, 14AWG, CRIMP, Product Range:Han E HMC Series Wire Size AWG Max:14AWG,	HARTING	R\$ 12,00	R\$ 36,00
184	1	CRCW2512120RFKEG	CRCW Series 2512 120 Ohms 1% 1W 100 ppm/K Thick Film Chip Resistor	KEMET	R\$ 0,05	R\$ 0,05
185	5	CRISTAL 20.000 MHZ	CRISTAL HC49U 20.000 MHZ	AEC	R\$ 1,50	R\$ 7,50
186	400	CB3LV-3I-25M0000	Cristal OSCILADOR XO 25.0000MHZ HCMOS TTL	CTS Corporation	R\$ 2,01	R\$ 804,00
187	240	SIT2018BA-S2-33N-7.372800G	CRISTAL SMD 7.372800 MHZ	SiTime Corporation	R\$ 5,78	R\$ 1.387,20
188	3	TDR3-2412WISM	DC-DC Converter, Vin 9 to36Vdc, Vout 12Vdc, I/O isolation 1500Vdc	TRACOPOWER	R\$ 490,55	R\$ 1.471,65
189	155	STPS120M	Diode Schottky 20V 1A 2-Pin(1+Tab) ST Mite T/R	ST MICROELETRONICS	R\$ 3,99	R\$ 618,45
190	20	PD3S140-7	DIODE SCHOTTKY 40V 1A POWERDI323	Diodes Incorp	R\$ 1,89	R\$ 37,80
191	17	1N4148	Diode Small Signal Switching Si 100V 0.15A 2-Pin SOD-123 T/R	ON SEMI	R\$ 0,05	R\$ 0,85
192	9	1N5246-TR	Diode Zener Single 16V 20% 0.5W 2-Pin DO-35 T/R	Microchip	R\$ 48,99	R\$ 440,91
193	24	BAS321	Diodo 250V 0.25A Automotive 2-Pin SOD-323 T/R	NXP	R\$ 0,05	R\$ 1,20
194	4	HFA15TB60	Diodo 600V 15A TO220AC	Infineon	R\$ 1,99	R\$ 7,96
195	35	STPS10150CT	Diodo Schottky 150V 10A 3-Pin(3+Tab) TO-220AB Tube	ST THONSOM	R\$ 0,99	R\$ 34,65
196	50	FES16DT	Diodo 200V 16A 2-Pin(2+Tab) TO-22	Fairchild	R\$ 0,29	R\$ 14,50
197	600	DF06S	Diodo Retificador 600V 1.5A 4-Pin SDIP SMD T/R	ON Semi	R\$ 0,29	R\$ 174,00
198	17	NRVB2H100SPT3G	Diodo Schotky Si 100V 2A Automotive 2-Pin SOD-123FL T/R	ON SEMI	R\$ 0,29	R\$ 4,93
199	376	RCLAMP0854P.TCT	Diodo TVS DIODE 5.5V 30V SLP1616P6	Semtech	R\$ 1,99	R\$ 748,24
200	20	SDC15.TCT	Diodo TVS Uni-Dir/Bi-Dir 12.8V 3-Pin SOT-23 T/R	Semtech	R\$ 0,39	R\$ 7,80
201	3	JHD162A	Display 16X2 Backlight Verde	China	R\$ 12,00	R\$ 36,00
202	2	M39016/6-107P -HFW1131K04P	Electromechanical Relay 26.5VDC 7000Ohm 2A DPDT (33.53x10.41x10.41)mm Flange Half Size High Performance Relay	TE CONNECTIVITY	R\$ 1.688,98	R\$ 3.377,96
203	2	1270-016	EMI Filter Low Pass Pi-Circuit 10A 100VDC AXL Panel Mount	API Technologies	R\$ 9,88	R\$ 19,76
204	10	371-82	Espaçador 371-82	SPACER	R\$ 3,00	R\$ 30,00
205	150	TUS2461-000-X7V0-102PLF	Filtro EMI 1000pF 100Volts	Tusonix	R\$ 1,99	R\$ 298,50
206	85	0805CS-020XJLC	Fixed Inductors 0805 2.8nH Unshld 5% 60mOhms AEC-Q200	COILCRAFT	R\$ 12,66	R\$ 1.076,10
207	18	0805CS-560XGLC	Fixed Inductors 0805 56nH Unshld 2% 340mOhms AEC-Q200	COILCRAFT	R\$ 14,98	R\$ 269,64
208	4	PKC2132 PI	Fonte DC DC entrada 18 a 36 V, sada 6,7,8,e 9 V, 18 W , 300 Hz	Ericsson	R\$ 55,00	R\$ 220,00

209	25	0449003.MR	Fuse Chip Slow Blow Acting 3A 125V SMD Solder Pad 6.1 X 2.69mm Ceramic T/R PSE/cULus	LITTLEFUSE	R\$ 4,89	R\$ 122,25
210	17	0449004.MR	FUSIVEL BRD MNT 4A 125VAC/VDC 2SMD	LITTLEFUSE	R\$ 4,89	R\$ 83,13
211	23	FUSIVEL VIDRO 5X 20	FUSIVEL 5X20 0034.3125	SCHURTER	R\$ 0,49	R\$ 11,27
212	25	2786-B23/4BLACK	HEATSHRINK 3/4" BLACK ESPAGHETE TERMORETRATIL 3/4"	SUMITOMO	R\$ 17,22	R\$ 430,50
213	20	DRA127-100-R	INDUTOR 10UH 6.02A 17 MOHM SMD	Eaton Bussman	R\$ 5,01	R\$ 100,20
214	2	FL1M-12FW-1-G24V	LED Panel Mount Indicator Uni-Color Green 10000mcd 2-Pin Bulk	Mallory	R\$ 48,88	R\$ 97,76
215	2	FL1M-12FW-1-R24V	LED Panel Mount Indicator Uni-Color Red 1500mcd 2-Pin Bulk	Mallory	R\$ 48,88	R\$ 97,76
216	51	TLMS1000-GC08CT-ND	LED Uni-Color Red 640nm Automotive 2-Pin Chip 0603(1608Metric) T/R	Vishay	R\$ 5,44	R\$ 277,44
217	375	TLMC3100-GS	LED VERDE PLCC-2	VISHAY	R\$ 0,08	R\$ 30,00
218	100	MS24693C28	Parafuso Aço Inox length: 1/2", thread: 6-32, countersunk, flat head, corrosion resistant steel,	Military Fastners	R\$ 0,99	R\$ 99,00
219	2	TLX-9-0310-C1 12 x 18 "	Placa de Fibra de Vidro reforçada com Teflon https://elmechanics.com/pdf_manufacturers/112/tlx_series.pdf	Taconic	R\$ 1.098,44	R\$ 2.196,88
220	200	MS21059-3	PORCA FLUTUANTE rosca 4.82600 mm, altura da porca 6.35 mm, comprimento 24.07920 mm	Military Fastners	R\$ 1,59	R\$ 318,00
221	18	DS1E-M-DC12V	RELE RELAY GEN PURPOSE SPDT 2A 12VDC	Panasonic	R\$ 7,99	R\$ 143,82
222	15	CRCW008056K04FKTA	Res Thick Film 0805 6.04K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 1,34	R\$ 20,10
223	31	CRCW0402953RFKTD	Resistor Thick Film 0402 953 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 19,53
224	20	CRCW1206280RFKEA	Resistor SMD 280 OHM 1% 1/4W 1206	Vishay	R\$ 0,63	R\$ 12,60
225	42	CRCW060337R4FKEA	Resistor 0603 37.4 Ohm 1% 0.1W 0603 ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 26,46
226	13	CRCW0805100KFKEAHP	Resistor 0805 100K Ohm 1% 0.5W(1/2W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 8,19
227	7	CRCW080540K0FKEA	Resistor 0805 40K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 4,41
228	5000	CR0805-FX-4700ELF	Resistor 0805 470 Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD	Bourns	R\$ 0,63	R\$ 3.150,00
229	4	CRCW1206200RFKEAHP	Resistor 200R, 1%, 0.75W, 1206, THICK FILM, Resistance:200ohm, Resistance Tolerance:± 1%, Power Rating:750mW	Vishay	R\$ 1,34	R\$ 5,36
230	100	CRCW080566R5FKEA	Resistor 66.5 OHM 1% 1/8W 0805	VISHAY	R\$ 0,63	R\$ 63,00
231	50	CRCW080510K0FKEAC	Resistor SMD 10K OHM 1% 1/8W 0805	VISHAY	R\$ 0,63	R\$ 31,50
232	10	CRCW080530K1FKTA	Resistor SMD 30.1K OHM 1% 1/8W 0805	VISHAY	R\$ 1,88	R\$ 18,80
233	338	CRCW04020000ZSTD	Resistor Thick Film 0402 0 Ohm Pad SMD Automotive T/R	Vishay	R\$ 1,34	R\$ 452,92
234	17	CRCW0402100KFKEAHP	Resistor Thick Film 0402 100K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 1,34	R\$ 22,78
235	683	CRCW0402357KFKEA	Resistor Thick Film 0402 357K Ohm 1% 1/16W ±100ppm/°C Molded SMD S	Vishay	R\$ 1,88	R\$ 1.284,04
236	16	CRCW0402422RFKTD	Resistor Thick Film 0402 422 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 1,88	R\$ 30,08
237	20	CRCW0603330RFKEA	Resistor Thick Film 0603 330 Ohm 1% 1/3W ±100ppm/°C Molded SMD SMD Paper T/R	KEMET	R\$ 0,63	R\$ 12,60
238	204	CRCW08050000Z0EA	Resistor Thick Film 0805 0 Ohm Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 128,52
239	76	CRCW08050000Z0EAHP	Resistor Thick Film 0805 0 Ohm Pad SMD Automotive T/R	VISHAY	R\$ 1,34	R\$ 101,84
240	100	CRCW0402100KFKEAHP	Resistor Thick Film 0805 1.1M Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
241	36	CRCW08052K00FKTA	Resistor Thick Film 0805 2K Ohm 0.5% 0.125W(1/8W) ±50ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 22,68
242	99	CRCW0805316KFKEA	Resistor Thick Film 0805 316K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotiv	Vishay	R\$ 0,63	R\$ 62,37
243	14	CRCW080533K2FKEAHP	Resistor Thick Film 0805 33.2K Ohm 1% 0.5W(1/2W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,63	R\$ 8,82
244	100	CRCW0805487RFKTA	Resistor Thick Film 0805 487 Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
245	10	CRCW1206274RFKTA	Resistor Thick Film 1206 274 Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,82	R\$ 8,20
246	10	CRCW251230R0FKEGH	Resistor Thick Film 2512 30 Ohm 1% 1.5W ±100ppm/°C Pad SMD Automotive T/R	KEMET	R\$ 0,63	R\$ 6,30
247	4	CRCW251230JNEG	Resistor Thick Film 2512 300K Ohm 5% 1W ±200ppm/°C Pad SMD Automotive T/R	KEMET	R\$ 0,63	R\$ 2,52
248	7	PWR2635-35-50R0F	Resistor Thick Film 50 Ohm 1% 35W ±100ppm/°C TO-263 Gull Wing SMD Automotive Tube	Bourns	R\$ 14,99	R\$ 104,93
249	10	PWR1635-25-50R0J	Resistor Thick Film 50 Ohm 5% 25W ±100ppm/°C Molded D-Pak Gull Wing SMD Tube	Bourns	R\$ 14,99	R\$ 149,90
250	100	CRCW12103K00FKEA	Resistor THKFLM 1210-HP 3K0 OHM 1% 100 ET1 E3 SMD - Tape and Reel	KEMET	R\$ 0,63	R\$ 63,00

251	32	CRCW0402100FRKED	Resistor 0402 100 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 20,16
252	34	CRCW0402150RFKED	Resistor 0402 150 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 21,42
253	23	CRCW04023K83FKED	Resistor 0402 3.83K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,63	R\$ 14,49
254	21	CRCW04027K87FKED	Resistor 0402 7.87K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive	Vishay	R\$ 0,63	R\$ 13,23
255	100	ERJ-3GEYJ22IV	Resistor 0603 22 Ohm 5% 0.1W(1/10W) ±200ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
256	11	CRCW08051K00FKTA	Resistor 0805 1K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive	VISHAY	R\$ 2,38	R\$ 26,18
257	17	CRCW08052K20FKEB	Resistor 0805 2.2K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive	VISHAY	R\$ 0,63	R\$ 10,71
258	30	CRCW080523K7FKEA	Resistor 0805 23.7K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,63	R\$ 18,90
259	20	CRCW08053K30FKEA	Resistor 0805 3.3K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD T/R	VISHAY	R\$ 0,63	R\$ 12,60
260	50	CRCW080533K2FKEA	Resistor 0805 33.2K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD T/R	Vishay	R\$ 0,63	R\$ 31,50
261	10	CRCW0805330RFKTA	Resistor 0805 330 Ohm 1% 1/8W ±100ppm/°C Molded SMD	Vishay	R\$ 0,63	R\$ 6,30
262	40	CRCW08054K42FKEA	Resistor 0805 4.42K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,63	R\$ 25,20
263	132	CRCW08054K75FKEA	Resistor 0805 4.75K Ohm 1% 0.5W(1/2W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 83,16
264	100	CRCW080544R2FKTA	Resistor 0805 44.2 Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
265	100	CRCW0805715FKEA	Resistor 0805 715K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
266	4	MP820	Resistor 10 OHM 20W 1% TO220	Caddock	R\$ 1,99	R\$ 7,96
267	45	ERJ-BENF1154V	Resistor 1206 1.15M Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Panasonic	R\$ 0,55	R\$ 24,75
268	25	ERJ8ENF10R0V	Resistor 1206 10 Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Panasonic	R\$ 0,55	R\$ 13,75
269	10	CRCW12061K00FKEAHP	Resistor 1206 1K Ohm 1% 0.75W(3/4W) ±100ppm/°C Pad SMD Automotive	Vishay	R\$ 0,55	R\$ 5,50
270	53	CRCW120620R0FKTA	Resistor 1206 20 Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,55	R\$ 29,15
271	53	CRCW120620K0FKEA	Resistor 1206 20K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD T/R	VISHAY	R\$ 0,55	R\$ 29,15
272	100	CRCW120622R1FKEA	Resistor 1206 22.1 Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,55	R\$ 55,00
273	30	CRCW12063K01FKTA	Resistor 1206 3.01K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,55	R\$ 16,50
274	89	CRCW120633K2FKEA	Resistor 1206 33.2K Ohm 1% ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,55	R\$ 48,95
275	4295	CRCW12064K22FKTA	Resistor 1206 4.22K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,55	R\$ 2.362,25
276	1400	16R 1 W 1 %	Resistor 16R 1 Watt 1 %	China	R\$ 0,55	R\$ 770,00
277	7	CRCW12060000Z0EB	Resistor 206 0 Ohm Pad SMD Automotive T/R	Vishay	R\$ 1,34	R\$ 9,38
278	140	CRCW120630R0FKEA	Resistor 30 OHM 1% 1/4W 1206	Vishay	R\$ 0,55	R\$ 77,00
279	51	AC05000005609JAC00	Resistor 56 Ohm 5% 5W -80ppm/°C to -10ppm/°C Cement AXL	Vishay	R\$ 0,99	R\$ 50,49
280	16	CRCW12067K87FKEA	Resistor 7K87 1 % CRCW12067K87FKEA	Vishay	R\$ 0,55	R\$ 8,80
281	118	CRCW080534K8FKEA	Resistor r 0805 Size 34.8K Ohm 1% 0.125 W 100 ppm/K 2-Pin SMD	VISHAY	R\$ 0,63	R\$ 74,34
282	0	CRCW25123K00FKEGHP	Resistor SMD 3K OHM 1% 1.5W 2512	vishay	R\$ 0,55	R\$ 0,00
283	10	CRCW0402130RFKEDC	Resistor Thick Film 0402 130 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD T/R	VISHAY	R\$ 0,55	R\$ 5,50
284	65	CRCW040216K2FKTD	Resistor Thick Film 0402 16.2K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD A	VISHAY	R\$ 1,34	R\$ 87,10
285	43	CRCW040224R9FKED	Resistor Thick Film 0402 24.9 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 27,09
286	32	CRCW040227K4FKED	Resistor Thick Film 0402 27.4K Ohm 1% 1/16W ±100ppm/°C Molded SMD SMD	VISHAY	R\$ 0,63	R\$ 20,16
287	324	CRCW040230K9FKED	Resistor Thick Film 0402 30.9K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive	Vishay	R\$ 0,63	R\$ 204,12
288	15	CRCW0402301RFKTD	Resistor Thick Film 0402 301 Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 9,45
289	3	CRCW080522K1FKEA	Resistor Thick Film 0402 49.9 Ohm 1% 1/16W ±100ppm/°C Molded SMD	vishay	R\$ 0,69	R\$ 2,07
290	24	CRCW040249R9FK	Resistor Thick Film 0402 49.9 Ohm 1% 1/16W ±100ppm/°C Molded SMD	Vishay	R\$ 1,34	R\$ 32,16
291	19	CRCW040268K1FKED	Resistor Thick Film 0402 68.1K Ohm 1% 0.063W(1/16W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 11,97
292	50	CRCW08051M10FKEA	Resistor Thick Film 0805 1.1M Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 31,50

293	14	CRCW080510R0FKEAHP	Resistor Thick Film 0805 10 Ohm 1% 0.5W(1/2W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 8,82
294	18	CRCW080510K0FKTA	Resistor Thick Film 0805 10K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 11,34
295	30	CRCW080512K0FKEA	Resistor Thick Film 0805 12K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	vishay	R\$ 0,55	R\$ 16,50
296	6	CRCW0805174KFKEA	Resistor Thick Film 0805 174K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	vishay	R\$ 1,34	R\$ 8,04
297	3334	CRCW08051F78FKTA	Resistor Thick Film 0805 178K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 2.100,42
298	45	CRCW080520K0FKEA	Resistor Thick Film 0805 20K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive	VISHAY	R\$ 0,63	R\$ 28,35
299	134	CRCW0805221RFKTA	Resistor Thick Film 0805 221 Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,63	R\$ 84,42
300	20	CRCW08052K00FKTA	Resistor Thick Film 0805 2K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 1,34	R\$ 26,80
301	0	CRCW08052M00FK	Resistor Thick Film 0805 2M Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 0,00
302	30	CRCW080533K2FKEA	Resistor Thick Film 0805 33.2K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,55	R\$ 16,50
303	112	CRCW080542K2FKEA	Resistor Thick Film 0805 42.2K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 70,56
304	98	CRCW0805464KFKEA	Resistor Thick Film 0805 464K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 61,74
305	127	CRCW080549R9FKEAC	Resistor Thick Film 0805 49.9 Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD T/R	Vishay	R\$ 1,34	R\$ 170,18
306	6	CRCW080552K3FKEA	Resistor Thick Film 0805 52.3K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 1,34	R\$ 8,04
307	9	CRCW080549R9FKEA	Resistor Thick Film 0805 52.3K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 1,34	R\$ 12,06
308	100	CRCW08058K25FKTA	Resistor Thick Film 0805 8.25K Ohm 1% 0.125W(1/8W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 63,00
309	30	CRCW12063K01FKEA	Resistor Thick Film 1206 3.01K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	Vishay	R\$ 0,55	R\$ 16,50
310	4	CRCW1206499RFKTA	Resistor Thick Film 1206 499 Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 2,52
311	4	CRCW1206806FKTA	Resistor Thick Film 1206 806K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive	VISHAY	R\$ 0,63	R\$ 2,52
312	100	RC2512FK-07162KL	Resistor Thick Film 2512 162kOhm 1%	KEMET	R\$ 0,55	R\$ 55,00
313	5	CRCW1206806FKEA	Resistor Thick Film 1206 806K Ohm 1% 0.25W(1/4W) ±100ppm/°C Pad SMD Automotive T/R	VISHAY	R\$ 0,63	R\$ 3,15
314	1	MHW710-3	RF POWER AMPLIFIER	MOTOROLA	R\$ 135,44	R\$ 135,44
315	2	MRF421	RF POWER TRANSISTOR	MOTOROLA	R\$ 218,99	R\$ 437,98
316	8	T6A100	Standard Rectifier - 6A - 1000V - P600 PKG	Taitron	R\$ 3,36	R\$ 26,88
317	1	TG-00002	Switch Hardware Molded Plastic Cover Paint Steel Bracket	OTTO	R\$ 198,44	R\$ 198,44
318	2	CKL12BFW01-010 1TL1-2	Switch Toggle OFF ON SPST Locking Lever Screw 20A 277VAC 250VDC 745.7VA Panel Mount with Threads	Honeywell	R\$ 198,44	R\$ 396,88
319	10	001-312-2	Teledyne 001-312-2 Notched Blades with Screws, Pair (10-25 AWG)	Teledyne	R\$ 189,44	R\$ 1.894,40
320	3	ERT-J1VR104FM	Thermistor NTC 100K Ohm 1% 2-Pin 0603 Surface Mount Solder Pad 4300K T/R Automotive	PANASONIC	R\$ 1,68	R\$ 5,04
321	15	IRLML6402TRPBF	Transistor MOSFET P-CH Si 20V 3.7A 3-Pin SOT-23 T/R	Infeneon	R\$ 0,25	R\$ 3,75
322	18	FJA4310-0	TRANSISTOR NPN 140V 10A TO3P	Fairchild	R\$ 1,99	R\$ 35,82
323	2	RA35H1516M	Transistor 154-162MHz 40W 12.5V, 2 Stage Amp. For MOBILE RADIO	Mitsubishi	R\$ 99,00	R\$ 198,00
324	1400	BU2508DX	TRANSISTOR Bipolar Junction Transistor, NPN Type, TO-247VAR	PHILIPS	R\$ 1,99	R\$ 2.786,00
325	50	JANTX2N2222AUB	Transistor Bipolar Transistors - BJT HI-REL MIL-PRF-19500/255	Microchip	R\$ 98,24	R\$ 4.912,00
326	35	SLA4031	Transistor Darlington NPN 120V 4A 5000mW 12-Pin(12+Tab) SIP	Sanken	R\$ 4,99	R\$ 174,65
327	3	SMBT3904DW1T1G	Transistor GP BJT NPN 40V 0.2A 150mW Automotive 6-Pin SC-88 T/R	ONSEMI	R\$ 0,65	R\$ 1,95
328	22	SBC807-40L1TG	Transistor GP BJT PNP 45V 0.5A 300mW Automotive 3-Pin SOT-23 T/R	On Semi	R\$ 0,05	R\$ 1,10
329	4	MRF313	TRANSISTOR JUNCÃO BIPOLAR NPN	MOTOROLA	R\$ 33,99	R\$ 135,96
330	734	FDMB506P	TRANSISTOR Mosfet Canal P 6.8A, 20V, 30ohm, P-Channel Power MOSFET	Fairchild	R\$ 0,55	R\$ 403,70
331	1	3N188	Transistor MOSFET N-CH 25V 0.03A	Morola	R\$ 35,00	R\$ 35,00
332	30	ACPL-K44T-000E	Transistor OPTOISOLATOR 5KV 2CH TRANSISTOR	Broadcom	R\$ 9,99	R\$ 299,70
333	3000	BC807-25	Transistor PNP 45V 0.5A 345mW Automotive 3-Pin TO-236AB T/R	NXP	R\$ 0,09	R\$ 270,00
334	110	BAS316.115	TRANSISTOR Rectifier Diode Switching 100V 0.25A 4ns Automotive 2-Pin SOD-323 T/R	NXP	R\$ 0,15	R\$ 16,50

335	4	MHL9838N	Transistor RF 800 - 925 MHz 8.0 W, 31 dB RF LINEAR LDMOS AMPLIFIER	Freescaple	R\$ 145,00	R\$ 580,00
336	24	3386Y-1-502	TRIMPOT TRIMMER 5K OHM 0.5W PC PIN TOP	Bourns	R\$ 2,99	R\$ 71,76