

















	Description	Designator	Footprint	LibRef	Quantity
	General Purpose Geramic Canacitor				
	Ceramic Capacitor, 0805, 100nF, 10%,		1		1
100nF	X7R, 15%, 100V, General Purpose	C1, 06, C7, C13, C20, C21, C22	FP0805L,2,01,0,2 W_1,25IPC,B	OMP-2007-04174-2	
	Ceramic Capacitor,	21,02	ويماطروا		
	0805, 10nF, 10%, X7R, 15%, 100V				
22uF	CAPALUM 22UF 20%	C2, C4	FP-F05MFG	OMP-05427-002128-1	
10uF	CAPALUM 10UF 20%	C3. C5	FP-FKD-MFG	OMP-2000-06207-2	
1uF	50VSMD	03	CAPC2013X140X50LL2	OMP-2007-03234-1	
	ļ		OT25		
2uF		C9	0T25	OMP-2007-03234-1	
1uF	CAPALUM 10UF 20% 50V 9MD	C10	FP-FKD-MFG	OMP-2000-06207-2	
2.2uF	CAPALUM 10UF 20% 50V 9MD	C11	FP-FKD-MFG	OMP-2000-06207-2	
	General Purpose		m.com 1 2 04 0 2		
10nF	Ceramic Capacitor, 0805, 10nF, 10%, X7R,	C12	FP-0805 L 2 01 0 2 W_1_25 IPC_B	OMP-2007-04174-2	
	15%, 100V General Purpose				
	Ceramic Capacitor, 0805, 100pF, 10%				
100p	X7R, 15%, 100V,	C14, C25	FP-0805L-2.01_0_2	OMP-2007-04174-2	
	General Purpose Ceramic Capacitor,		FP0805L,2,01,0,2 W,1,25IPC,B		
	0805, 100nF, 10%,				
	General Purpose				
2.2uF	Ceramic Capacitor, 0805, 10nF, 10%, X7R,	C15, C17	FP-0805 L 2 01 0 2 W 1 25 IPC B	OMP-2007-04174-2	
	15%, 100V Cap Caramic 100nF				
100nF	50VX7R10%Psrt3MD	C16, C18, C19	FPCGA3E0_30_1-	OMP-2000-07546-2	
nadir	0603+125°C Automotive T/R		IPC_A		
	General Purpose Ceramic Capacitor,		EDIORNEL 2 24 2 2		
k7n	0805, 100nF, 10%	C23	FP-0805L,2,01,0,2 W,1,25IPC,B	OMP-2007-04174-2	1
	X7R, 15%, 100V General Purnose				-
10n	Ceramic Capacitor, 0805, 100nF, 10%	C24	FP0805L,2,01,0,2 W,1,25 IPC,B	OMP-2007-04174-2	1
	X7R 15% 100V		HCB دکر 1,vv		L
TVS	TVSDIODE28.2V59V SMB	D1, D2, D6, D6, D7	FP-SMB-MFG	OMP-12225-000039-1	
	MBRS130LRectifier				
MBR9130L	Diode, Schottky, 1 Phase, 1 Bernent, 2A,	D3, D4, D7	FP-403AF-MFG	OMP-00278-20916186-	1
	30VV(RRM), Silicon, DO:21444				1
	Chip LED, Green, 2.2				
LED	V, -40 to 85 degC, 2- Pin SMD, Pb-Free,	DS1, DS2, DS3, DS4, DS6, DS6, DS7	AVAGH9MXC170_V	CMP-2000-05062-1	1
					ļ
	Pltch 6.35 mm, 1 x 2		L		1
1714955		Jt, J5, J6	PHOE 1714955_V	CMP-2000-05797-1	1
	mm, Tail Lenght 5.1 mm, RoHS Bulk CONN HEADER VERT		CD DODGE V 1 C C		
JET	2POS2.5MM	L,B	FPB2BEHA_LF_SN- MFG	OMP-17439-000026-1	
M20-9980346	CONNHEADERVERT 6POS2.54MM	J4	FP-M20-9980346-MFG	OMP-2000-06636-2	
Intel heatsink MTJ-880X1		J/ J/1	Intel heatsink mount MTJ-880X1	Intel heatsink MTJ-880K1	
	Relay:				
HF46F_24HS1	electromagnetic; SPST-NO; Utoil:	к	RELAY_HF46F_006-	HF46F_005HS1	1
	24/DC 54/250/AC 54/30/DC		HSI		1
	OptiMOSP2 Power-				
IPB80P03P4-05	Transistor, -30 VVDS	01,03	INFPGT0263-3-2_N	OMP-1138-00228-1	1
	-80 AID, PGT0263-3- 2, Reel, Green				1
	High Voltage Transistor, NPN				<b> </b>
MMBTA42LT1G	Transistor, NPN Slicon, 3-Pin 90T-23,	02.04	ONSOSOT-233-318-	OMP-1048-00962-1	1
	Pb-Free, Tape and		08_V		1
IREP240PBF	MOSFET N-CH 200V	06	FPE19-0614-MFG	OMP-02550-000013-1	
	20ATO-247AC		RESC2013/50/30L20		-
680		Rt, R3	T20 RESC2013/50/30LL20	OMP-2001-04896-1	<b> </b>
120		R2	T20	OMP-2001-04896-1	
		R4, R9, R17, R18, R19, R20, R22, R31, R33,	RESC2013/50/30LL20	OMP-2001-04896-1	
10k		R34, R42, R43, R45	T20 RESC2013/50/30L20		l l
10k 2.2k		R5, R11, R36	T20	OMP-2001-04896-1	
		R5, R11, R36 R6	T20 RESC2013/50/G0LL20 T20	OMP-2001-04896-1 OMP-2001-04896-1	
2.2k			T20 RESC2013/50/G0LL20		
2.2k 470		R6 R7, R8, R21 R10, R12, R35, R37.	T20 RESC2013/50/G0L20 T20 RESC2013/50/G0L20	OMP-2001-04896-1 OMP-2001-04896-1	
2.2k 470 330		R6 R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32,	T20 RESC2013/50/30LL20 T20	OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1	
2.2k 470 330 1k 100k		R6 R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32, R38	T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20	OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1	
2.2k 470 330		R6 R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32,	T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20 T20 T20 T20 T20 T20 T20	OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1	
2.2k 470 330 1k 100k	THERMINTC TOKOHM 3894KRINGLLG	R6 R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32, R38	T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20 T20 RESC2013/50/30LL20	OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1	
2.2k 470 330 1k 100k	THERMINIC LIRCHM 3894KRINGLUS Shurit resistor	R6 R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32, R38 R15	T20 RESC2013/S00/S01120 T20 RESC2013/S00/S01120 T20 RESC2013/S00/S01120 T20 T20 TP-INTOLLIGOZA/03G MFG RESC2015/S00/S01120	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1	
2.2k 470 330 1k 100k 100 NTC	3984KRINGLUG	R6 R7, R8, R21 R10, R12, R95, R37, R41 R13, R14, R16, R02, R38 R15 R23 R24	T20 T20 RESC2013/SD/S00120 T20 RESC2013/SD/S00120 T20 RESC2013/SD/S00120 T20 T20 T20 T20 T20 RESC2013/SD/S00120 T20 RESC2013/SD/S00120 T20 RESC2013/SD/S00120 RESC2016/CD/S00120 RESC2013/SD/S00120	OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1 OMP-2001-04896-1 OMP-2003-00761-1	
2.2k 470 330 1k 100k 100 NTC 100m	3984KRINGLUG	RE R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32, R38 R15 R23 R24 R25 R25 R26 R26 R27 R26 R27	T20 RESIZO13/SID/SIDL20 T20 RESIZO13/SID/SIDL20 T20 T20 T20 T20 T20 RESIZO13/SID/SIDL20 T20 RESIZO13/SID/SIDL20 T20 FP-NTCALL/SIZZA/SISG MFG RESIZO15/SID/SIDL20 T20	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2003-00761-1 OMP-2003-00761-1 OMP-2001-04996-1	
2-2k 470 330 1k 100k 100 NTC 100m 10	3984KRINGLUG	PE R7, R8, R21 R10, R12, R05, R07, R01 R12, R05, R07, R01 R13, R14, R16, R02, R03 R15 R23 R04 R05, R02, R03 R04 R05, R04 R05, R05, R05, R06 R07, R08 R07, R08	T20	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2003-00761-1 OMP-2003-00761-1 OMP-2001-04996-1 OMP-2001-04996-1	
2.2k 470 330 1k 100k 100 NTC 100m	3984KRINGLUG	RE R7, R8, R21 R10, R12, R35, R37, R41 R13, R14, R16, R32, R38 R15 R23 R24 R25 R25 R26 R26 R27 R26 R27	T20  RESC2013/S00/S01120	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2003-00761-1 OMP-2003-00761-1 OMP-2001-04996-1	
2-2k 470 330 1k 100k 100 NTC 100m 10	3984KRINGLUG	PE R7, R8, R21 R10, R12, R05, R07, R01 R12, R05, R07, R01 R13, R14, R16, R02, R03 R15 R23 R04 R05, R02, R03 R04 R05, R04 R05, R05, R05, R06 R07, R08 R07, R08	T20 RESC2013/SGD/G0L120 T20 T20 RESC2013/SGD/G0L20 T20 RESC2013/SGD/G0L20	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2003-00761-1 OMP-2003-00761-1 OMP-2001-04996-1 OMP-2001-04996-1	
2.2k 470 330 380 1k 100k 100 NTC 100m 10 4.7k 0 0	3884KRINGLLIG Shunt resistor  RESO,1 OHM 1%2W	RE RZ, RS, RZ1 RS, RS7, RS, RZ1 RS, RS7, RS, RS7, RS, RS7, RS, RS7, RS, RS, RS, RS, RS, RS, RS, RS, RS, RS	T20  RESCO13/SEDICULIO  T20  RESCO13/SEDICULIO  T20  T20  T20  T20  T20  T20  T20  T2	OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2003-00761-1 OMP-2003-00761-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1 OMP-2001-04996-1	
2.2k 470 380 5 k 5900 NNC 100m 10 4.7k 0	3894KRING LLIG Shunt resistor	RE R7, R6, R21 R7, R6, R21 R10, R12, R65, R67, R61 R13, R14, R16, R62, R62 R15 R23 R24 R25 R25 R26 R27, R26, R80 R27, R28 R29, R30 R29, R30	T20 RESCO13/SEDICULIO T20 RESCO13/SEDICULIO T20	OMP-2001-04996-1	
2.2k 470 380 1k 100k 100 NTC 100m 10 4.7k 0	SBAK RING LLIG Shunt resistor  RESO,1 CHM 19(2W 2512 LCTDRXRS485/422	R6 R7, R6, R21 R10, R12, R15, R37, R41 R13, R14, R16, R32, R33 R15 R23 R24 R25, R36, R40 R27, R36 R29, R30 R37	T20 RESC20139500001120 T20 T20 T20 T20 T20 T20 T20 T20 T20 T	OMP-2001-04996-1	
2.2k 470 380 5 k 5900 NNC 100m 10 4.7k 0	3894KRINGILLG Shunt resistor RESO.1 OHM 1962W 2512	RE R7, R6, R21 R7, R6, R21 R10, R12, R65, R67, R61 R13, R14, R16, R62, R62 R15 R23 R24 R25 R25 R26 R27, R26, R80 R27, R28 R29, R30 R29, R30	T20 RESCO13/SEDICULIO T20 RESCO13/SEDICULIO T20	OMP-2001-04996-1	
2.2% 450 330 56 57 58 590 NTC 500m 99 190 1158 00 1158	2894KRNGLLG Shurt resistor  RESO, 1 OHM 11/L2W 2512 ICDNR (RSES)-4/2 IOMBPS SCOIC AMSR 1-7805 NZ 5/7	FIG. 107, FIG. R21  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV.	T20 RESC20139500001120 T20 T20 T20 T20 T20 T20 RESC20139500001120 T20 RESC2013950001120 T20 RESC2013950001120 T20 RESC2013950001120 T20 RESC20139500001120 T20 T20 T20 T20 T20 T20 T20 T20 T20 T	O.P. 2001-0486+1	
2.28	SBEKRINGLUG Shunt resistor  RESD 1 OHM 1%2W 25/12 ICTHPK (RSIS) 4/2 10MEPS SCUC AMSR 1-780 NZ 5V/1 1ADCouplus converter ICVHST STRESS 0.05% 8SDC	76 R6 R21 R0 R7 R6 R21 R0 R7 R6 R21 R0 R7 R6 R27 R1 R0 R7 R2 R6 R7 R7 R1 R0 R7 R2 R6 R0 R7 R2 R6 R0	TO TO TO THE PROPERTY OF THE P	ORP 2011-08961	
2.26 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	SIBOL TO-M 15/LZW 2512 CD-PR (SIBOL OF M 15/LZW 2512 CD-PR (SIBOL OF M 15/LZW 2512 CD-PR (SIBOL OF M 15/LZW 10/MEPS SCIOC 10/MEPS SCIOC 10/MEPS SCIOC COMPANIES OF M 15/LZW 14/LZW 14/LZW 14/LZW 14/LZW 15/LZW 16/LZ	FIG. 107, FIG. R21  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV.	TOO	O.P. 2001-0486-1 O.P. 2	
2.2% 450 330 56 57 58 590 NTC 500m 99 190 1158 00 1158	SIBM RINGLUS SHUTT RESISTON SIBM RESISTON SI	FIG. 107, FIG. R21  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV.	TO TO THE PROPERTY OF THE PROP	O.P. 2001-04864 1 O.P. 2001-04866 1 O.P. 2001-0486 1 O.P. 2001-04866 1 O.P. 2001-0486	
2.26 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	RESO, 1 OHM 19/20V 2512 TO THE RESIDENCE OF THE RESOLUTION OF THE	FIG. 107, FIG. R21  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV.	TOO	O.P. 2001-0486-1 O.P. 2	
2.2x 4.00 58 58 500 500 500 500 500 500 500 500	SIBERCRINGLUS Shurit resistor  Shurit resistor  SHURIT RESISTORM THUCKY 2512 ICT DRAYERSES 422 ICT DRAYERSES 422 ICT DRAYERSES 422 ICT DRAYERSES 547 IA IC CARDIO RAYERSES 547 IN ICA	FIG. 107, FIG. R21  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV. PERS. REV.  FIG. REV.	TOO	O.P. 2001-0486-1 O.P. 2	
2.2x 400 330 50 50 50 50 50 50 50 50 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	SBBK RINGLUS SHURE resistor  SRED. 1 CHM 11/L2NV 2512 CNTPRCRSesS 422 10/MSPS SCIUC 1 MARSH 1-7805 NC, 5V/ 1 MAD Couplus Connective SCIUC	FIG. 187, 198, 1921  FIG. 187, 198, 1921  FIG. 187, 198, 197, 198, 198, 198, 198, 198, 198, 198, 198	TOD	O.P. 2011-0986-1 O.P. 2	
2.2x 400 330 50 50 50 50 50 50 50 50 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	SIBBOCHNOLLIS  STATE RESIDENT  SIBBOLICHMI TILLIN  SIBBOLICHMI TIL	FIG. 187, 198, 1921  FIG. 187, 198, 1921  FIG. 187, 198, 197, 198, 198, 198, 198, 198, 198, 198, 198	TOD	O.P. 2011-0986-1 O.P. 2	
2.28 600 3300 98 1000 1000 1000 1000 1000 1000 1000	PSSO 1 C+M 11/2/2 PSSO 1 C+M 11	FIG. 187, 198, 1921  FIG. 187, 198, 1921  FIG. 187, 198, 197, 198, 198, 198, 198, 198, 198, 198, 198	TOD	O.P. 2011-0986-1 O.P. 2	
2.28 600 3300 98 1000 1000 1000 1000 1000 1000 1000	SIGNATURE SIGNAT	PE	TOO	0.0F-2001-0986+1 0.0F-2	
2.2%	SIGNATULIO  SIGNATION SIGNATION  RESOLICH TIME  RES	PE	TOO	0.0F-2001-0986+1 0.0F-2	
22k 470 330 55 55 55 55 55 55 55 55 55 55 55 55 55	Page CNNOLLU Sur I residor   REGO 1 G M 1752W  REGO 1 G M 1752W  REGO 1 G M 1752W  C 1 DR N 17	PE	TOO	0.0F-2001-0986+1 0.0F-2001-090000+1	
22k 470 330 55 55 55 55 55 55 55 55 55 55 55 55 55	SIRROUNDOLLOS  SULPH INSERTION  SIRROUNDOLLOS  SIRR	PE	TOO	0.0F-2001-0986+1 0.0F-2	
22k 470 330 95 100k 100 100 100 100 100 100 100 100 10	SINGCONDUCTOR  SINGLE STATE OF THE STATE OF	PE 97, PE, PE 11 97, PE, PE 11 97, PE, PE 11 98, PE 11 9	TOO TOO STATE OF THE STATE OF T	0.0F-2001-0986+1 0.0F-2001-090000+1	
22k 470 330 95 100k 100 100 100 100 100 100 100 100 10	DISSOCRACIAL DISSOCRACIA DI STATE RESIDER DI STATE RESIDERA DI STA	PE 97, PE, PE 11 97, PE, PE 11 97, PE, PE 11 98, PE 11 9	TOO TOO STATE OF THE STATE OF T	0.0F-2001-0986+1 0.0F-2001-090000+1	
22k 470 330 95 100k 100 100 100 100 100 100 100 100 10	SINGENERALIZATION OF THE PARTIES OF	PE 97, PE, PE 11 97, PE, PE 11 97, PE, PE 11 98, PE 11 9	TOO TOO STATE OF THE STATE OF T	0.0F-2001-0986+1 0.0F-2001-090000+1	
22% 450 55 55 55 55 55 55 55 55 55 55 55 55 5	SIGNOCHOLIGO  Part residor  RESO, I CHA TYLLOV  CETPON Needs 422	PE 97, PE, PE 11 97, PE, PE 11 97, PE, PE 11 98, PE 11 9	TOO	0.0F-2001-0986+1 0.0F-2001-090000+1	
22k 470 330 95 100k 100 100 100 100 100 100 100 100 10	SINGCONFOLIDA  Part residor  P	PRE 107, 198, 1921 107, 198, 1921 107, 198, 1921 108, 1921 108, 1921 108, 1921 108, 1921 1094 1094 1094 1095 1095 1095 1095 1095 1095 1095 1095	TOO TOO STATE OF THE STATE OF T	0.0P-2001-09861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00001 0.0P-2001-000001 0.0P-2001-0000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-	
22% 450 55 55 55 55 55 55 55 55 55 55 55 55 5	SIGNOCHOLIGO  Part residor  RESO, I CHA TYLLOV  CETPON Needs 422	PRE 107, 198, 1921 107, 198, 1921 107, 198, 1921 108, 1921 108, 1921 108, 1921 108, 1921 1094 1094 1094 1095 1095 1095 1095 1095 1095 1095 1095	TOO	0.0P-2001-09861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00001 0.0P-2001-000001 0.0P-2001-0000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-	
22% 450 55 55 55 55 55 55 55 55 55 55 55 55 5	Selective CLUB -	PRE 107, 198, 1921 107, 198, 1921 107, 198, 1921 108, 1921 108, 1921 108, 1921 108, 1921 1094 1094 1094 1095 1095 1095 1095 1095 1095 1095 1095	TOO	0.0P-2001-09861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00861 0.0P-2001-00001 0.0P-2001-000001 0.0P-2001-0000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-000001 0.0P-2001-	
2.2x 670 330 18 3500 19 3500 190 190 190 191 190 190 190 190 190 1	Secretival Control of the Control of	PRE 107, PRE PRE 1	TOO	0.0P-2001-0986+1 0.0P-2001-00004+1 0.0P-2001-00006+1 0.0P-2001-00006+1 0.0P-2001-00006+1	