





















Comment	Description	Designator 1, R3, R4, R7, R8, R25, pag pag	Footprint RESC2013X50X30LL20	LibRef	Quantity
1k 1066		R26, R37 BT1	T20 BAT_1086	CMP-2001-04896-1 1086	
1000	General Purpose	DI1	Dr.1_1000	1000	
	Ceramic Capacitor, 0805, 100nF, 10%,				
100nF	X7R, 15%, 100V, General Purpose	C1, O6, C7, C26, C27, C28	FP-0805-L-2-01_0.2- W_1_25-IPC_B	CMP-2007-04174-2	
	Ceramic Capacitor,	-	10,20,100		
	0805, 10nF, 10%, X7R, 15%, 100V				
22uF	CAPALUM 22UF 20% 50V SMD	C2, C4	FP-FCE-MFG	CMP-05427-002128-1	
10uF	CAPALLM 10UF 20%	C3, C5	FP-FKD-MFG	CMP-2000-06207-2	
	50VSMD CAPALUM 10UF20%				
1uF	50V SMD CAPALLIM 10UF 20%	C8	FP-FKD-MFG	CMP-2000-06207-2	
2.2uF	50VSMD	C9	FP-FKD-MFG	CMP-2000-06207-2	
10nF	General Purpose Ceramic Capacitor,	C10	FP-0805-L-2-01_0_2-	CMP-2007-04174-2	
TUNE	0805, 10nF, 10%, X7R, 15%, 100V	Ciu	W_1_25/PC_B	CMP-2007-04174-2	
4.7b	CAPCER0.1UF50V	C11. C12	FP-C0803GCF-MFG	CMP-2006-03061-2	
	X7R0603 General Purpose				
1uF	Ceramic Capacitor, 0905, 100oF, 10%	C13, C14	FP-0805-L-2-01_0.2- W_1_25-IPC_B	CMP-2007-04174-2	
	X7R, 15%, 100V				
2.2uF	General Purpose Ceramic Capacitor,	C15, C16, C24, C25	FP-0805-L-2_01_0_2-	CMP-2007-04174-2	
	0805, 10nF, 10%, X7R, 15%, 100V	Cit, Cit, Ca, Ca	W_1_25-IPC_B	CWF-2007-0417-92	
	Cap Ceramic 100nF				
100nF	50V X7R 10% Pad SMD 0603+125°C	C17, C18, C19, C20, C21, C22, C23	FPCGA3E0_3-0_1- IPC_A	CMP-2000-07546-2	
	Automotive T/R MBRS130LRectifier				
	Diode, Schottky, 1			CMP-00278-20916186	1
MBRS130L	Phase, 1 Bement, 2A, 30V V(RRM), Slicon,	D1, D2	FP-403AF-MFG	1	1
	DO:214AA TVSDIODE28.2V59V				
TVS	SMB	D3, D4, D6, D6, D7, D8	FP-SMB-MFG	CMP-12225-000039-1	
USBLOS-2P6	TVSDIODE5.25V 17V SOT666	D9	FP-SOT-666-MFG	CMP-12225-000058-1	
LED	Chip LED, Green, 2.2	DS1, DS2, DS3, DS4,			
	Pin SMD, Pb-Free,	DS5, DS6	AVAGHSMX-C170_V	CMP-2000-05062-1	
	Tape and Reel PCTerminal Block,				-
1714965	Pitch 6.35 mm, 1 x 2 Position, Height 21.5	Ji, JB	PH0E-1714965_V	CMP-2000-05797-1	
	mm, Tail Lenght 5.1	,			
.sī	mm, RoHS, Bulk CONN HEADER VERT	.p.n.u.n	FP-B2BEHA_LF_SN-	CMP-17439-000096-1	-
	2POS2.5MM CONN HEADER VERT		MFG		
M20-9980346	6POS2.54MM	J	FP-M20-9980346-MFG	CMP-2000-08636-2	
	67068-8011 Conn USB 2.0 Type B RCP 4 PCS				
67068-8011	2.5mm Solder RA	JB	FP-67068-8011-MFG	CMP-00257-00942133-	
	Thru-Hole 4 Terminal 1 Port USB 2.0 Tray			ľ	
MTJ-880X1	-	J1, J2, J3	MTJ-880X1	MTJ-880X1	
Buzzer	AUDIOPIEZO TRANSDUCER 3-15V	LSI	FP-PKB24SPO-0801-	CMP-06203-000001-2	
Collin	TH	ш,	B0-MFG	Giii Gaad Gaad i 2	
	Male Header, Pitch 2.54 mm, 2 x 5				
30310-6002HB	Position, Height 9.3 mm, Tail Length 2.79	P1, P2	3M-30310-6002HB- 10 V	CMP-2000-05031-1	
	mm, -55 to 105 degC,		10_4		
	RoHS, Bulk 0.025" SQ Post				
TO 1 100 0 :	Header, Through- hole, Vertical, -55 to		SMTCTSW120-24-X-		
TSW-120-24-F-D	125 degC, 2.54 mm	P3	D D	CMP-1024-00453-1	
	Pitch, 40-Pin, Male, RoHS				
	OptiMOSP2 Power-				
IP980P03P4-05	Transistor, -30 V VDS, -80 AID, PGTO263-3-	Q1, Q2	INF-PG-TO263-3-2_N	CMP-1138-00228-1	
	2, Reel, Green				
	High Voltage Transistor, NPN				
MMBTA42LT1G	Silicon, 3-Pin SOT-23,	Q3, Q4, Q6	ONSCSOT-23-3-318- 08_V	CMP-1048-00662-1	1
	Pb-Free, Tape and Reel				
FDN360P	MOSFET P-CH30V 2A SSOT3	Q6	FP-527AG IPC_B	CMP-2000-07455-3	
IRF530NSTRLPBF	MOSFETN-CH100V	Q7	FP-PG-TO263-3-MFG	CMP-32901-000039-1	
	17AD2PAK	R1 R2 R23	RESC2013X50X30LL20	CMP-2001-04896-1	
10k			T20 BESC2013X50X30L120		
2.2k		R5, R6, R11	T20	CMP-2001-04896-1	
100k		R9, R10, R14, R16, R27	RESC2013X50X30LL20 T20	CMP-2001-04896-1	1
470		R12, R24	RESC2013X50X30LL20	CMP-2001-04896-1	
330		R13	T20 RESC2013X50X30LL20	CMP-2001-04896-1	
100	-		T20 RESC2013X50X30LL20	CMP-2001-04896-1	
		R15 R17, R18, R19, R20,	T20 RESC2013V50V30LL20		
47k		R01 R02	T20	CMP-2001-04896-1	
680		R28, R30, R31, R33, R34, R36	RESC2013X50X30LL20 T20	CMP-2001-04896-1	
120		R29, R32, R35	RESC2013X50X30LL20	CMP-2001-04896-1	
0		R38, R41	T20 RESC2013X50X30LL20	CMP-2001-04896-1	
	-		T20 RESC2013X50X30LL20		
27 MAXB675		R39, R40 U1	T20 S008	CMP-2001-04896-1 MAX8675	
	AMSRI1-7806-NZ, 5V/		SIP750W46P254L1400		
	1ADCoutput	LI2	H1010Q3	AMSRI1-7805-NZ	1
	converter			CMD 00000	
AMSRI1-7805-NZ	Converter TLV761331-A16-V		FP-DCY0004A-MFG	CMP-00370- 134324849-1	1
AMSRI1-7805-NZ	high-PSRRlinear voltage regulator 4-	us	PPECIUUWWIFG	134324040*1	i
AMSRI1-7805-NZ	high-PSRRlinear voltage regulator 4- SOT-223-40 to 125	us	PPDCIUDAMING	134324040*1	
AMSRI1-7805-NZ	high-PSRRIinear voltage regulator 4- SOT-223 -40 to 125 APM Cortex-M432-bit MCU+FPU, 512 KB	LB	PECHANNE	134,54545*1	
AMSR 1-7806-NZ TLV76133 SIM62F401VE16	high-PSRRlinear voltage regulator 4- SOT-223-40 to 125 ARM Oprtex-M4 32-bit	LIS	STM-LQFP100_L	CMP-0243-00155-1	
AMSR 1-7805-NZ TLV76133	high-PSRRlinear voltage regulator 4- SOT-223-40 to 125 APM Cortex-M4 32-bit MOJ+FPU, 512 KB Flash, 96 KB Internal RVM, 81 I/Os, 100-Pin LQFP, -40 to 85 degC,				
AMSR1-7806-NZ TLV76133 STM32F401VET6	high-PSRRIinear voltage regulator 4- SOT-223-40 to 125 ARM Cortex-M4 32-bit MCU+FPL, 512 KB Flash, 96 KB Internal RAM, 81 I/Os., 100-Pin LOFP, -40 to 85 degC, Tray ICTORX RS485/422	LI4	STM-LQFP100_L	OMP-0243-00155-1	
AMSR1-7806-NZ TLV76133 STM32F401VET6	high-PSRRtinear voltage regulator 4- S07:223-40 to 125 ARM Cortex-M4 32-bit MCU-FFU, 512 KB Rash, 96 KB Internal RAM, 81 I/Ox, 100-Pin LOFP, -40 to 85 degC, Tray ICTORX RS865/422 10MEPS-850IC Low Frequency				
AMSR1-7806-NZ TLV76133 SIM32F401VET6 MAXX485EES4+	high-PSRRIinear voltage regulator 4- S0T-223-40 to 125 ARM Cortex-M4 32-bit MCU-FFU, 512 KB Flash, 96 KB Internal RAM, 81 I/Os, 100-Pin LOFP, -40 to 85 degC, TIA ICTMPX RS485/422 10MBPS8SOIC Low Frequency Opstal, 32 768 Hdz, 6	U5, U6, U7	STM-LOFP100_L FP-S8-5-MFG	OMP-0243-00155-1 OMP-05679-000038-1	
AMSR 1-7805-NZ TLV76133	high-PSRRtinear voltage regulator 4- SOT-223-40 to 125- MEM Correschi 32-bit 1 ARM COHEN-1512 KB Flash, 96 KB Internal PAM, 81 I/Os, 100-Pin LOPP, -400 to 85 degC, Tray ICD DRX RS485 422 10MEPS-8SOIC Low Frequency Oystal, 32.768 I/Hz, 6 pF, 4/-20 ppm, -401 to 85 degC, 4-PI SMD,	LI4	STM-LQFP100_L	OMP-0243-00155-1	
AM/S91-7806-NZ TILV76133 STM22F401VET6 MAXX485EESA+ ABS25-32-7884-62-6-T	high-PSRRtinear voltage regulator 4- S07:223-40 to 125 ARM Cortex-M4 32-bit MCU-FFU, 512 KB Rash, 96 KB Internal RAM, 81 I/Ox, 100-Pin LOFP, -40 to 85 degC, Tray ICTORX RS865/422 10MEPS-850IC Low Frequency	U4 U5, U6, U7 X1	STM-LOFP100_L FP-S8-5-MFG ABRN-ABS25-4_V	CMP-0243-00155-1 CMP-05679-000038-1 CMP-2000-05036-1	
AMSR1-7806-NZ TLV76133 SIM32F401VET6 MAXX485EES4+	high-PSRRtinear voltage regulator 4- SOT-223-40 to 125- MEM Correschi 32-bit 1 ARM COHEN-1512 KB Flash, 96 KB Internal PAM, 81 I/Os, 100-Pin LOPP, -400 to 85 degC, Tray ICD DRX RS485 422 10MEPS-8SOIC Low Frequency Oystal, 32.768 I/Hz, 6 pF, 4/-20 ppm, -401 to 85 degC, 4-PI SMD,	U5, U6, U7	STM-LOFP100_L FP-S8-5-MFG	OMP-0243-00155-1 OMP-05679-000038-1	