

Description	Designator	Quantity	Comment
Cap Ceramic 1uF 50V X5R 10% Pad SMD 0603 +85°C Automotive T/R	C20, C21, C22, C23, C26, C27, C33, C34, C35	14	CGA3E3X5R1H105K
Multilayer Ceramic Capacitors 470nF ±10% 50V X5R SMD 0603	C2, C3	2	C1608X5R1H474K080AB
Multilayer Ceramic Capacitors 100nF ±10% 50V X5R SMD 0603	C4, C8, C13, C17, C19, C32, C36	7	C1608X5R1H104K080AA
CAP CER 4.7UF 35V X5R 0603	C5	1	C1608X5R1V475K080AC
CAP CER 4.7PF 50V NP0 0603	C6	1	C0603C479K5GAC7867
	C9	1	06035C101KAT2A
Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 2.2uF, X5R, 15%, 10%, 50V	C11, C12, C30	3	GRM188R61H225KE11D
Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 35V	C14, C15	2	GRM188R6YA106MA73D
Cap Ceramic 1nF 50V X5R 10% Pad SMD 0603 +85°C Automotive T/R	C24, C25, C39, C40	4	TDK CGA3E2X5R1H102K080AA
	C28, C29	2	06035D103KAT2A
Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 2.2uF, X5R, 15%, 10%, 50V	C31	1	Murata GRM188R61H225KE11D
Diode Schottky 40V 1A Automotive 2-Pin SOD-323 T/R	D1, D2, D3, D4, D5, D6, D7, D8	8	ZHCS400QTA
Chip Ferrite Bead, 0603, 30Ω @ 100MHz, 0.05Ω, 1A	FB1, FB2	2	BLM18PG300SH1D
HDR/SKT 40 POS 0.5mm Solder ST SMD T/R	J1	1	LSHM-120-02.5-L-DV-A-N-K-TR
Coaxial Connector, 18 GHz, 50 Ohm, -65 to 165 degC, 5-Pin THD, RoHS, Bulk	J2, J3	2	901-144-8RFX
Conn; Rect; Industrial; MezzanineRECP; 69Cnts; SMT; I-IndustrialSeries	J4, J5	2	91931-31169LF
FIXED IND 10UH 180MA 1.6 OHM SMD	L1, L2, L3, L4	4	B82422A1103K100
SMD Power Inductors 4.7uH ±20% 0.77A 0.13Ω	L5	1	NR3012T4R7M
RES SMD 43.2K OHM 1% 1/10W 0603	R1, R7	2	RC0603FR-0743K2L
RES SMD 1M OHM 5% 1/10W 0603	R2, R4, R5, R6	4	RC0603JR-071ML
41.2kΩ ±0.5% 0.1W Chip Resistor 0603 Thick Film AEC-Q200 Qualified	R3	1	RK73H1JTTDD4122D
	R8	1	RK73H1JTTD4322F
	R9, R12, R13, R14, R15, R16, R17, R18, R19, R22, R23, R24, R25, R26, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100	20	RC0603JR-130RL
Dual Micropower DC/DC Converters with Schottky Diodes, 2.4 to 15 V Vin, 10-pin SON (DD-10), -40 to 85 degC, Pb-Free	R27	5	RC0603FR-07196RL
Dual Micropower DC/DC Converter with Positive and Negative Outputs, 1.2 to 15 V Vin, 10-pin SOP (MS-10), -40 to 125 degC, Pb-Free	U1	1	LT3463AEDD#PBF
Boost Voltage Converter with 0.7 to 5.5 V Input and 5 V Output, -40 to 85 degC, 6-Pin SC70 (DCK), Green (RoHS & no Sb/Br)	U2	1	LT1945IMS#PBF
	U3	1	TPS61222DCKR

Description	Designator	Quantity	Comment
16-CH 200V No Hv Bias Switch (SPST), 1 Bleed Resistor 48 LQFP 7X7X1.4MM T/r Rohs Compliant: Yes	U8	1	HV2708T-C/R8X
No Description Available	U9	1	MD0101K6-G
IC OPAMP VGA 1 CIRCUIT 16LFCSP	U10	1	AD8338ACPZ-R7
Power Switch ICs - Power Distribution 1A Slew Rate Ctrl Load Switch	U11, U18	2	SIP32431DNP3-T1GE4
Power Switch ICs - Power Distribution 1A Slew Rate Ctrl Load Switch	U12, U14	2	SIP32432DNP3-T1GE4
8L SOIC N-Channel and P-Channel Enhancement-Mode Dual MOSFET	U15	1	TC2320TG-G
8L SOIC N-Channel and P-Channel Enhancement-Mode Dual MOSFET	U16	1	TC6320K6-G
5P SOT-23 DBV MOSFET IGBT Single-Gate-Driver	U17	1	UCC27537
TVS6291A Series 5.5 V 1.3 MHz Single CMOS Operational Amplifier - SOT-23-5	U20	1	TSV6291AILT
3 Positions Header, Unshrouded Connector 0.100" (2.54mm) Through Hole Gold or Gold, GXT™	X1, X2, X3, X4, X5, X6, X7, X8, X13, X14, X15, X16	12	68000-103HLF
6 Positions Header, Unshrouded Connector 0.100" (2.54mm) Through Hole Gold or Gold, GXT™	X9, X11, X12	3	67996-106HLF