

Part Number	Quantity	Part Reference	Value	Description	Vendor	Vendor Part Number	PCB Package	Max Oper Temp	RoHS Status
DNM	0	A1	DNM	DNM	DNM	DNM		DNM	DNM
DNM	0	A2	DNM	DNM	DNM	DNM		DNM	DNM
02-07610	12	C3 C4 C5 C7 C9 C16 C20 C32 C38 C39 C43 C46	100nF	CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM155R70J104KA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07053	2	C6 C8	22uF	CAPACITOR, CERAMIC, X5R, 22uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD	MURATA	GRM18860J226MEAD0	0603	+85DEGC	ROHS_COMPLIANT
02-07631	3	C11 C22 C62	3.6pF	CAPACITOR, CERAMIC COG/NPO, 3.6pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H3R6CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07625	1	C12	3pF	CAPACITOR, CERAMIC COG/NPO, 3pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H3R0CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07618	1	C13	6.8pF	CAPACITOR, CERAMIC COG/NPO, 6.8pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H6R8CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07621	1	C14	3.3pF	CAPACITOR, CERAMIC COG/NPO, 3.3pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H3R3CA01D	0402	+125DEGC	ROHS_COMPLIANT
02-07619	1	C15	100pF	CAPACITOR, CERAMIC COG/NPO, 100pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H101A01D	0402	+125DEGC	ROHS_COMPLIANT
02-07617	9	C17 C18 C24 C33 C44 C58 C63 C64 C65	12pF	CAPACITOR, CERAMIC COG/NPO, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H120A01D	0402	+125DEGC	ROHS_COMPLIANT
02-07611	4	C10 C40 C41 C44	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	GRM155R61A105KE15D	0402	+85DEGC	ROHS_COMPLIANT
02-07627	4	C21 C59 C60 C68	1pF	CAPACITOR, CERAMIC COG/NPO, 1pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H1R0CA01D	0402	+125DEGC	ROHS_COMPLIANT
DNM	0	C23 C61 C67 C69	DNM	DNM	DNM	DNM		DNM	DNM
02-07614	8	C30 C52 C53 C54 C55 C56 C57 C70	100nF	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_100nF_X7R_M_+/-10%_10V	0402	+125DEGC	ROHS_COMPLIANT
02-07615	5	C35 C36 C37 C41 C50	10nF	CAPACITOR, CERAMIC X7R, 10nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_10nF_X7R_M_+/-10%_25V	0402	+125DEGC	ROHS_COMPLIANT
02-07624	3	C45 C48 C49	2.2uF	CAPACITOR, CERAMIC X5R, 2.2uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	MURATA	GRM155R60J225KE95D	0402	+85DEGC	ROHS_COMPLIANT
02-07613	1	C47	15pF	CAPACITOR, CERAMIC COG/NPO, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MANUFACTURER SELECTION	CAPACITOR_0402_15pF_COG/NPO_M_+/-5%_50V	0402	+125DEGC	ROHS_COMPLIANT
02-07623	1	C71	10pF	CAPACITOR, CERAMIC COG/NPO, 10pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	MURATA	GRM1555C1H100A01D	0402	+125DEGC	ROHS_COMPLIANT
15-01023	2	CR1 CR5	LPL296-J2L2-25	OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD	OSRAM	LP 1296-J2L2-25	0603	+100DEGC	ROHS_COMPLIANT
15-01169	2	CR2 CR4	LS L296-P2Q2-1	OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD	OSRAM	LS L296-P2Q2-1	0603	+100DEGC	ROHS_COMPLIANT
14-06172	1	CR6	TPD4E004DRY	DIODE, PROTECTION, ESD ARRAY, 4 CHANNEL, 6V TO 8V, -40DEGC/+85DEGC, S0N6, SMD	TEXAS INSTRUMENTS	TPD4E004DRYR	S0N6	+85DEGC	ROHS_COMPLIANT
14-05493	2	CR7 CR8	TPD6E004RSER	DIODE, PROTECTION, ESD, 7V, -40DEGC/+85DEGC, QFN8, SMD	TEXAS INSTRUMENTS	TPD6E004RSER	QFN8	+85DEGC	ROHS_COMPLIANT
DNM	0	FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6	DNM	DNM	DNM	DNM		DNM	DNM
04-00470	1	F11	BLM18HE1525N1	FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD	MURATA	BLM18HE1525N1D	0603	+125DEGC	ROHS_COMPLIANT
06-04997	2	J1 J2	SSQ-110-23-L-D	CONNECTOR, HEADER, FEMALE, STRAIGHT, 2 ROWS, 20 ROWS, 2.54mm, PTH	SAMTEC	SSQ-110-23-L-D		+125DEGC	ROHS_COMPLIANT
06-04998	1	J6	105164-0001	CONNECTOR, USB, FEMALE, RIGHT ANGLE, 1 ROW, 5 PINS, PITCH 0.65mm, SMD	MOLEX	105164-0001		+85DEGC	ROHS_COMPLIANT
03-07266	1	L1	6.8uH	INDUCTOR, STANDARD, CHIP, FERRITE CORE, SHIELDED, 6.8uH, -20%/+20%, 1.1A, -55DEGC/+125DEGC, 0805, SMD	TKM	ML22012N68RLT000	0805	+125DEGC	ROHS_COMPLIANT
03-07565	3	L11 L21 L26	2.2nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 2.2nH, -0.2nH/+0.2nH, 1A, -55DEGC/+155DEGC, 0402, SMD	MURATA	LQW15AN2N2C100	0402	+155DEGC	ROHS_COMPLIANT
03-07532	4	L12 L13 L14 L27	6.8nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 6.8nH, -5%/+5%, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQW15H6N8I02D	0402	+125DEGC	ROHS_COMPLIANT
03-07566	1	L25	1.5nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 1.5nH, -0.2nH/+0.2nH, 1A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQW15AN1NSC00D	0402	+125DEGC	ROHS_COMPLIANT
03-06552	2	L28 L29	10nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 10nH, -5%/+5%, 0.5A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQW15AN10N00D	0402	+125DEGC	ROHS_COMPLIANT
DNM	0	L30 L31	DNM	DNM					
03-07567	1	L32	5.1nH	INDUCTOR, RF, CHIP, NON-MAGNETIC CORE, 5.1nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD	MURATA	LQW15H55N1S02D	0402	+125DEGC	ROHS_COMPLIANT
19-00498	14	M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14	SMT-100-BK-G	MECHANIC, SHUNT, CURRENT RATING 4.3A PER PIN, 2.54 X 5.08 X 6.1mm, BLACK	SAMTEC	SMT-100-BK-G		+125DEGC	ROHS_COMPLIANT
DNM	0	MH1 MH2	DNM	DNM					
DNM	0	MH3 MH4	DNM	DNM					
DNM	0	MH5	DNM	DNM					
06-05038	3	P1 P2 P10	BB02-HC031-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 1 ROW, 3 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HC031-KB1-603000		+105DEGC	ROHS_COMPLIANT
06-05049	1	P4	BB02-HJ221-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 22 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HJ221-KB1-603000		+105DEGC	ROHS_COMPLIANT
06-00166	2	P5 P7	FTSH-105-01-F-DV-K	CONNECTOR, HEADER, MALE, STRAIGHT, 10 PINS, 2 ROWS, PITCH 1.27mm, SMD	SAMTEC	FTSH-105-01-F-DV-K		+125DEGC	ROHS_COMPLIANT
06-04999	1	P6	BB02-HJ041-KB1-603000	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 4 PINS, PITCH 2.54mm, PTH	GRADCONN	BB02-HJ041-KB1-603000		+105DEGC	ROHS_COMPLIANT
19-00452	1	P8	TC2050-4DC-NL	NON COMPONENT, CONNECTOR CABLE, PLUG OF NAILS, 10 PINS, 2 ROWS, SMD	MURATA	BMS529-2700RJ4		+85DEGC	ROHS_COMPLIANT
06-05051	2	P11 P12	MM5829-2700	CONNECTOR, COAX, MALE, UP TO 12GHz, 30V, SMD	MURATA	MM5829-2700		+155DEGC	ROHS_COMPLIANT
01-22360	1	R1	100k	RESISTOR, THICK FILM, 100k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22351	3	R2 R3 R58	3.3k	RESISTOR, THICK FILM, 3.3k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_3.3k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22350	1	R11	2.2k	RESISTOR, THICK FILM, 2.2k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_2.2k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22346	2	R14 R25	220	RESISTOR, THICK FILM, 220, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_220_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22345	2	R15 R23	180	RESISTOR, THICK FILM, 180, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_180_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-11684	1	R17	10k	RESISTOR, THICK FILM, 10k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_10k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-11676	1	R18	4.7k	RESISTOR, THICK FILM, 4.7k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_4.7k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22339	1	R19	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	DO NOT MOUNT	DNM	0402	N/A	MISSING_INFO
01-12495	1	R20	100	RESISTOR, THICK FILM, 100, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-02472	1	R21	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	DO NOT MOUNT	DNM	0402	N/A	MISSING_INFO
01-22362	1	R22	330k	RESISTOR, THICK FILM, 330k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_330k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22361	1	R24	220k	RESISTOR, THICK FILM, 220k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_220k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22349	4	R27 R29 R30 R39	1k	RESISTOR, THICK FILM, 1k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_1k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-12687	1	R28	4.87k	RESISTOR, THICK FILM, 4.87k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_4.87k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22342	1	R31	51	RESISTOR, THICK FILM, 51, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_51_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22359	3	R32	33k	RESISTOR, THICK FILM, 33k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_33k_+/-1%_50V_0.063W_M_+/-100ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22355	1	R33	51k	RESISTOR, THICK FILM, 51k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_51k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22354	1	R34	30k	RESISTOR, THICK FILM, 30k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_30k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
DNM	0	R46 R47 R48 R49 R51	DNM	DNM	DNM	DNM		DNM	DNM
01-11757	1	R52	0	RESISTOR, THICK FILM, 0, 0.1W, 75V, -55DEGC/+155DEGC, 0603, SMD	MANUFACTURER SELECTION	RESISTOR_0603_0_+/-5%_75V_0.1W_M_+/-200ppm	0603	+155DEGC	ROHS_COMPLIANT
01-22343	4	R55 R56 R57 R66	100	RESISTOR, THICK FILM, 100, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
DNM	0	R59 R60 R67 R68	DNM	DNM	DNM	DNM		DNM	DNM
01-22356	4	R61 R62 R63 R65	100k	RESISTOR, THICK FILM, 100k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_100k_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
01-22341	1	R69	0	RESISTOR, THICK FILM, 0, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	MANUFACTURER SELECTION	RESISTOR_0402_0_+/-5%_50V_0.063W_M_+/-200ppm	0402	+155DEGC	ROHS_COMPLIANT
08-00293	3	SW1 SW2 SW3	1188E-1K2-V	SWITCH, TACT, 0.05A@250VAC, 0.05A@12VDC, 0.05A, 250V, SMD	DIPTRONICS	1188E-1K2-V-TR		+70DEGC	ROHS_COMPLIANT
18-31726	1	U4	MX25R8035FZU10	IC, MEMORY, FLASH, SERIAL, 8Mbit, 1.65V TO 3.6V, USON8, SMD	MACRONIX	MX25R8035FZU10	USON8	+85DEGC	ROHS_COMPLIANT
18-29558	1	U6	LM4040B25IDCK	IC, ANALOG, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, 2.5V, SC70-5, SMD	TEXAS INSTRUMENTS	LM4040B25IDCKR	SC70-5	+85DEGC	ROHS_COMPLIANT
18-29530	1	U7	TPS79601DR	IC, ANALOG, ULTRALOW-NOISE, HIGH PSRR, FAST, REF, 1A LOW-DROPOUT LINEAR REGULATORS, VIN=2.7V TO 5.5V, VOUT=1.2V TO 5.5V, S0N8, SMD	TEXAS INSTRUMENTS	TPS79601DRBR	S0N8	+125DEGC	ROHS_COMPLIANT
18-29288	3	U8 U9 U10	SN74AVC1245RSV	IC, DIGITAL, LOGIC, ABN DUAL SUPPLY BUS TRANSCEIVER 3 STATE OUTPUT, 1.2V TO 3.6V, UQFN16, SMD	TEXAS INSTRUMENTS	SN74AVC1245RSVR	UQFN16	+85DEGC	ROHS_COMPLIANT
18-31672	1	U11	XMS5IE3G0PA-003	IC, ANALOG, CMOS DPAT SWITCH FOR WIRELESS COMMUNICATION, 2.5V TO 3V, SMD	MURATA	XMS5IE3G0PA-003		+85DEGC	ROHS_COMPLIANT
18-28964	1	U1	CC1350F128RG2	IC, CUSTOM, CC1350F128RG2, QFN48, SMD	TEXAS INSTRUMENTS	CC1350F128RG2Z	QFN48	N/A	MISSING_INFO
18-29511	1	U5	TM4C1294NCPDPT3R	IC, MICROPROCESSOR, TIVA C SERIES MICROCONTROLLER, ARM CRTE-M4, 2.97V TO 3.6V, TQFP128, SMD	TEXAS INSTRUMENTS	TM4C1294NCPDPT3R	TQFP128	+85DEGC	ROHS_COMPLIANT
12-00546	1	Y1	32.768kHz	CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD	EPSON	FX-135 32.7680KA-A60		+85DEGC	ROHS_COMPLIANT
12-00757	1	Y2	24MHz	CRYSTAL, CRYSTAL OSCILLATOR,					

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