

Part No.	Category	Description	Quantity	Circuit References	Supplier	Supplier's Code	RoHS
CAP169	CAP	TAJA Tant. Cap. 10uF±10% 16V	3	C1, C9, C10	MOU002	74-293D106X9016A2TE3	Y
CAP174	CAP	0402 Cer. Cap. 0.5pF±0.05pF 50V C0G	2	C166, C167	RSC001	814-5407	Y
CAP176	CAP	0402 Ceramic Capacitor 1.0pF 50V C0G ± 0.1pF	2	C133, C172	RSC001	723-5335	Y
CAP179	CAP	0402 Cer. Cap. 1.5pF±0.1pF 50V C0G	1	C171	RSC001	723-5341	Y
CAP184	CAP	0402 Ceramic Capacitor 2.7pF 50V C0G ± 0.1pF	1	C124	RSC001	723-5395	Y
CAP193	CAP	0402 Cer. Cap. 10pF±5% 25V C0G	3	C120, C121, C125	FAR001	2332478	Y
CAP197	CAP	0402 Ceramic Capacitor 22pF 25V C0G ± 5%	1	C181	FAR001	2672092	Y
CAP199	CAP	0402 Cer. Cap. 33pF±5% 25V C0G	14	C37, C39, C40, C43, C65, C66, C72, C74, C79, C131, C140, C142, C145, C147	RSC001	135-2546	Y
CAP201	CAP	0402 Cer. Cap. 47pF±5% 25V C0G	2	C168, C169	RSC001	698-3100	Y
CAP205	CAP	0402 Cer. Cap. 100pF±5% 25V C0G	5	C13, C51, C52, C62, C69	RSC001	147-465	Y
CAP208	CAP	0402 Cer. Cap. 180pF±5% 25V C0G	1	C101	RSC001	723-5385	Y
CAP211	CAP	0402 Cer. Cap. 220pF±5% 25V C0G	1	C56			Y
CAP213	CAP	0402 Cer. Cap. 330pF±5% 25V C0G	1	C164			Y
CAP215	CAP	0402 Cer. Cap. 470pF±5% 25V C0G	3	C48, C53, C71	RSC001	723-5430	Y
CAP219	CAP	0402 Cer. Cap. 1000pF±5% 25V C0G	21	C14, C16, C17, C36, C50, C54, C59, C61, C70, C102, C110, C118, C126, C134, C135, C151, C152, C160, C163, C170, C186	MOU002	81-GRM1555C1H102JA1D	Y
CAP228	CAP	0402 Cer. Cap. 10nF±10% 16V X7R	37	C2, C3, C5, C6, C7, C8, C12, C15, C32, C35, C38, C41, C42, C44, C46, C47, C67, C68, C73, C75, C76, C80, C115, C117, C132, C139, C141, C143, C144, C146, C148, C153, C154, C156, C162, C165, C185	RSC001	839-1506	Y
CAP232	CAP	0402 Cer. Cap. 33nF±10% 25V X7R	6	C55, C57, C58, C60, C63, C64	RSC001	723-5244	Y
CAP234	CAP	0402 Cer. Cap. 47nF±10% 25V X7R	1	C49	RSC001	723-5256	Y
CAP237	CAP	0402 Cer. Cap. 100nF±10% 16V X7R	22	C4, C11, C20, C21, C22, C23, C24, C25, C34, C103, C104, C105, C106, C107, C108, C109, C111, C113, C114, C149, C150, C193	RSC001	723-5228	Y
CAP241	CAP	0402 Cer. Cap. 1uF±10% 10V X5R	1	C77	RSC001	723-5199	Y
CAP242	CAP	0402 Cer. Cap. 2.2uF±10% 16V X5R	3	C19, C33, C112	RSC001	901-5341	Y
CAP256	CAP	0603 Cer. Cap. 1uF±10% 16V X7R	9	C83, C85, C91, C95, C98, C155, C184, C196, C197	RSC001	915-5660	Y
CAP262	CAP	0805 Cer. Cap. 10uF±10% 10V X7R	1	C161	MOU002	81-GRM21BR71A106KE51	Y
CAP268	CAP	0603 Cer. Cap. 1500pF±5% 50V C0G	2	C129, C130	FAR001	8819939	Y
CAP270	CAP	0402 Cer. Cap. 4.7pF±0.1pF 50V C0G	2	C180, C187	RSC001	723-5436	Y
CAP271	CAP	0402 Cer. Cap. 5.6pF±0.1pF 50V C0G	8	C123, C137, C158, C159, C176, C178, C179, C200	RSC001	723-5442	Y
CAP272	CAP	0402 Cer. Cap. 6.8pF±0.1pF 25V C0G	4	C177, C182, C190, C191	RSC001	723-5464	Y
CAP273	CAP	0402 Cer. Cap. 8.2pF±0.1pF 25V C0G	2	C195, C198	RSC001	723-5474	Y
CAP274	CAP	0402 Cer. Cap. 4.7nF±5% 25V X7R	1	C100	FAR001	2627360	Y
CAP275	CAP	0603 Cer. Cap. 10uF±20% 10V X5R	16	C26, C27, C28, C29, C30, C31, C78, C81, C82, C86, C88, C89, C92, C94, C97, C194			Y
CAP276	CAP	0603 Cer. Cap. 2000pF±2% 50V C0G	2	C127, C128			Y
CAP277	CAP	0402 Cer. Cap. 56pF±5% 25V C0G	4	C157, C173, C174, C175	RSC001	723-5452	Y
CMX7364Q1		Wireless Processor	1	U6			Y
CMX994EQ4		Direct Conversion Receiver	1	U3			Y
CMX998Q1		Power Amplifier Processor	1	U1			Y
CON108	CON	Yellow 1.5mm testloop (1.0 mm hole)	10	TL1, TL2, TL3, TL4, TL5, TL6, TL7, TL8, TL9, TL10	RAP001	17-1819	Y
CON126	CON	PCB terminal block - MKDS 1/2-3,5 HT BK	1	J5	DIG006 FAR001 RSC001	277-6043-ND 2766173 467-0259	Y
CON129	CON	20+20 SMT header, 1.27mm pitch (Archer M50)	1	J2	FAR001	1022312	Y
CON130	CON	5x2 header plug 1.27mm, SMT Unshrouded 3.05mm pin	1	J3	RSC001	451-732	Y
CON131	CON	R/A USB Micro-B receptacle Hirose ZX62-B-5PA(33)	1	J4	FAR001	2554978	Y
CON132	CON	J502 End Launch SMA Socket for 1.6mm PCBs	1	J7	DIG006	J502-ND	Y
DSM055	DSM	BC856 General purpose PNP transistor	2	TR7, TR8	FAR001 RSC001	1081242 544-9422	Y
DSM059	DSM	MMBD1503A Dual small signal diodes	1	D8	FAR001 RSC001	9843639 670-8839	Y
DSM069	DSM	BAS16HT, Signal Diode, SOD323	1	D1	MOU002	512-BAS16HT1G	Y
DSM074	DSM	BCW60D NPN Transistor	1	TR9	FAR001 MOU002	1081267 771-BCW60D235	Y
DSM076	DSM	BAR64-04W, Dual Si PIN diode SOT323	2	D9, D10	MOU002	726-BAR6404WH6327	Y
DSM081	DSM	HSMF-C165, Bi-colour Red+Green LED (0603)	2	D2, D3	FAR001	8554587	Y
DSM082	DSM	NSR05T40XV2, Schottky Diode, SOD-523	2	D5, D6	FAR001	2627933	Y

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DSM083	DSM	SMAJ5.0A+ 5V Transient Suppression Diode	1	D7	FAR001	2675311	Y
DSM084	DSM	MUN5214DW dual NPN transistor w/bias resistors	5	TR1, TR2, TR3, TR4, TR5	FAR001	2464151	Y
DSM085	DSM	BFR193W, Low noise NPN HF transistor	1	TR6	RSC001	826-9364	Y
FIX018	FIX	M2 x 6mm screw	4		FAR001	1420386	Y
FIX037	FIX	M2 x 10mm female threaded standoff	4		FAR001	2494574	Y
FUS004	FUS	MF-NSMF150, PTC Resettable Fuse, 1206	1	F1	FAR001	1206721	Y
ICS083	ICS	DS1818R-10+, 3.3V EconoReset with Pushbutton	1	U4	FAR001	972-4796	Y
ICS105	ICS	RF5110G, 3V GSM Power Amp, QFN-16	1	U2	RFM001	RF5110G	Y
ICS137	ICS	NC7SZU04P5X, Single Inverter Gate, SC70-5	1	U17	MOU002	512-NC7SZU04P5X	Y
ICS149	ICS	LMX2571, Low-power RF Synth, Frac-N PLL with FSK	1	U5	MOU002	595-LMX2571NJKT	Y
ICS161	ICS	74AUP1G80DCK, Single +edge D-type F-F	1	U7	MOU002	595-SN74AUP1G80DCKR	Y
ICS162	ICS	74AHC1G04DRL, Single Inverter Gate	1	U8	DIG006	296-19375-1-ND	Y
ICS164	ICS	USBLC6-2SC6, VCap ESD Protection	1	U11	FAR001	1269406	Y
ICS165	ICS	LP5907MFX-3.3, 3V3, 250mA ULN Low-IQ LDO Reg	5	U12, U13, U14, U15, U16	MOU002	595-LP5907MFX-3.3NPB	Y
ICS166	ICS	STLQ015M18, 1V8, 150mA UL quiescent current Reg	1	U19			Y
ICS167	ICS	STM32F411VET6, ARM-based 32-bit MCU 512kb Flash	1	U10	MOU002	511-STM32F411VET6	Y
OPT011	OPT	Green 0603 LED, KPT-1608CGCK	1	D4	RAP001	72-9582	Y
PCB579	PCB	PCB for DE9941A SDR demonstrator	1		CCE001	PCB579B	Y
RES164	RES	Resistor 18R 1% 0.063W 0603	1	L15	FAR001	2447270	Y
RES199	RES	Resistor 0402 0R 0.063W	18	C192, L20, R2, R3, R20, R24, R25, R35, R36, R80, R82, R107, R108, R109, R110, R119, R144, R145	RSC001	393-2326	Y
RES212	RES	Resistor 0402 3.3R 1% 0.063W (51Y)	15	R32, R33, R34, R37, R38, R39, R63, R64, R75, R77, R78, R106, R112, R113, R118	FAR001 MOU002	2447173 71-CRCW04023R30FKED	Y
RES216	RES	Resistor 0402 4.7R 1% 0.063W (66Y = 4R75)	5	R18, R90, R91, R92, R93	FAR001	2447192	Y
RES224	RES	Resistor 0402 10R 1% 0.063W (01X)	14	R7, R8, R9, R86, R88, R89, R111, R116, R117, R133, R140, R141, R146, R147	RSC001	667-8523	Y
RES226	RES	Resistor 0402 12R 1% 0.063W (09X = 12.1R)	2	R130, R131	FAR001	2502503	Y
RES230	RES	Resistor 0402 18R 1% 0.063W (26X = 18.0R)	3	R94, R95, R96	RSC001	678-8866	Y
RES233	RES	Resistor 0402 24R 1% 0.063W (38X = 24.3R)	2	R55, R58			Y
RES238	RES	Resistor 0402 39R 1% 0.063W (58X = 39.2R)	1	R135			Y
RES240	RES	Resistor 0402 47R 1% 0.063W (66X = 47.5R)	5	R12, R127, R128, R132, R134	RSC001	678-9368	Y
RES248	RES	Resistor 0402 100R 1% 0.063W (01A)	4	R52, R56, R59, R61	RSC001	812-1568	Y
RES252	RES	Resistor 0402 150R 1% 0.063W (18A)	4	R54, R60, R136, R137			Y
RES254	RES	Resistor 0402 180R 1% 0.063W (26A = 182R)	1	R138	RSC001	678-8857	Y
RES256	RES	Resistor 0402 220R 1% 0.063W (34A = 221R)	1	R16	RSC001	812-1622	Y
RES258	RES	Resistor 0402 270R 1% 0.063W (42A = 267R)	5	R21, R22, R26, R27, R79	RSC001	678-9046	Y
RES265	RES	Resistor 0402 470R 1% 0.063W (66A = 475R)	2	R10, R29	RSC001	678-9355	Y
RES271	RES	Resistor 0402 820R 1% 0.063W (89A)	1	R114			Y
RES273	RES	Resistor 0402 1k0 1% 0.063W (01B)	7	R28, R48, R49, R65, R66, R85, R87	RSC001	678-8872	Y
RES279	RES	Resistor 0402 1.8k 1% 0.063W (26B = 1.82k)	2	R53, R129	RSC001	678-8911	Y
RES289	RES	Resistor 0402 4.7k 1% 0.063W (66B = 4k75)	5	R44, R45, R67, R68, R50	DIG006 RSC001	541-4.70KLCCT-ND 812-1685	Y
RES293	RES	Resistor 0402 6.8k 1% 0.063W (81B = 6.81k)	2	R103, R104	RSC001	678-9550	Y
RES297	RES	Resistor 0402 10k 1% 0.063W (01C)	7	R17, R98, R99, R105, R124, R125, R126	RSC001	812-1562	Y
RES313	RES	Resistor 0402 47k 1% 0.063W (66C = 47.5k)	5	R40, R43, R57, R71, R74	RSC001	812-1675	Y
RES322	RES	Resistor 0402 100k 1% 0.063W (01D)	21	R1, R4, R5, R6, R11, R13, R14, R15, R23, R41, R42, R46, R51, R62, R72, R73, R81, R83, R84, R115, R123	RSC001	812-1565	Y
RES334	RES	Resistor 0402 330k 1% 0.063W (51D = 332k)	2	R69, R70			Y
RES338	RES	Resistor 0402 470k 1% 0.063W (66D = 475k)	1	R47			Y
RES346	RES	Resistor 0402 1M0 1% 0.063W (01E)	1	R142	RSC001	678-8923	Y
SWI014	SWI	MCIPTG23K-V 4.3x2.8mm mom. switch - RESET	1	SW1	FAR001	1605470	Y
TRF007	TRF	100nH SMD 0603 INDUCTOR	1	L13	COI001	0603CS-R10XJB	Y
TRF039	TRF	Mini-circuits, TC1-1-13M+, 1:1 RF transformer	1	T2			Y
TRF040	TRF	Mini-circuits, TC4-14+, RF transformer 4:1	1	T3			Y
TRF041	TRF	Richardson, MABA-007748, RF transformer	1	T1			Y
TRF056	TRF	0402 inductor, 5.6nH, 0402CS-5N6XJL	1	L14	COI001	0402CS-5N6XJL	Y
TRF068	TRF	0402 ferrite, Z=10R @ 100MHz, BLM15AG100SN1	1	L1	RSC001	871-1991	Y
TRF076	TRF	Coilcraft 0603CS-15NXJL Green	2	L17, L18	COI001	0603CS-15NXJL	Y
TRF077	TRF	18nH Coilcraft 0603CS-18NXJL Blue	3	L4, L6, L22	COI001	0603CS-18NXJL	Y
TRF078	TRF	27nH Coilcraft 0603CS-27NXJL Gray	3	L9, L10, L11	COI001 FAR001	0603CS-27NXJL 2285995	Y
TRF083	TRF	82nH Coilcraft 0603CS-82NXJL Green	1	L12	COI001 FAR001	0603CS-82NXJL 2286007	Y
TRF085	TRF	2.2nH Coilcraft 0603CT-2N2XJL	1	L19	COI001	0603CT-2N2XJL	Y
TRF089	TRF	Ferrite, 0603, 600R @ 100MHz 1.3A	2	L2, L3	DIG006	490-5258-1-ND	Y
TRF123	TRF	4.7nH 5% Coilcraft 0603CS-4N7XJL Violet	1	L21	COI001	0603CS-4N7XJL	Y

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TRF124	TRF	12nH 5% Coilcraft 0603CS-12NXJL Yellow	1	L23	COI001	0603CS-12NXJL	Y
TRF125	TRF	68nH Coilcraft 0603CS-68NXJL Orange	1	L7	COI001	0603CS-68NXJL	Y
TRF126	TRF	82nH, Coilcraft SqAir Core inductor 1515SQ-82NJ	1	L16	COI001	1515SQ-82NJ	Y
XTL046	XTL	MP03952, CM8V-T1A Crystal 32.768kHz 9pF +/-20ppm	1	X1	GOL002	MP03952	Y
XTL051	XTL	38.40MHz GTXO-93V/X SM VC-TCXO 3.3V	1	U9	GOL002	MP09744	Y