

#	Ref Designator	Description	Value	Voltage	Tolerance	Package	QTY	Part Number
1	C1-C8, C12-C25, C28, C30-C34, C40-C48, C50, C52, C53, C67, C69-C72, C75-C80, C83-C85, C87, C100, C101, C103-C106, C108, C109, C111-C114, C116-C120, C122-C125, C127-C129, C144-C147, C153, C155, C156, C158, C160, C162, C163, C166, C167, C169, C171, C173, C175, C176, C179, C181, C182, C184, C186, C191, C192, C196, C200, C202-C215, C222-C224, C226-C231, C233-C236, C239, C242, C244, C247-C249, C251, C253-C260, C263, C265-C268, C270-C272, C274, C277, C279-C281, C283-C286, C288, C289, C291-C296, C298-C301, C303-C305, C308, C309, C313, C316-C318, C321-C323, C325, C328, C330, C332, C334-C336, C338, C340, C342, C344, C345, C347-C350, C352, C354, C360, C362-C366, C369-C377, C379-C383, C386, C391, C394, C398, C401-C404, C408, C409, C412, C413, C416, C418, C422	CAP CERAMIC 0.1UF 16V 10% 0603	0.1uF	16V	0.1	603	242	G311P829BDX104K6N_
2	C9, C11, C161, C165, C201, C252, C262	CAP CERAMIC 1000PF 100V 10% 0603	0.001uF	100V	0.1	603	7	G311P829BDX102K3N_
3	C10, C26, C198, C199	CAP TANTALUM 22UF 15V 10% 2711	22uF	15V	0.1	2711	4	CWR09HC226KCB
4	C27, C157, C170, C174, C178, C183, C187, C217, C218, C220, C384, C405, C406, C411	GENERIC_CAP_0603	DNI	100V	0.1	603	14	DNI
5	C29, C74, C81, C216, C219, C358, C387, C390, C393, C397, C420, C425, C428	CAP CERAMIC 22PF 100V 10% 0603	22pF	100V	0.1	603	13	G311P829BDN220K3N_
6	C35-C37, C55-C60, C63, C64, C89-C92, C94-C97, C134-C141, C150-C152, C240, C241, C273, C278, C311, C312	CAP CERAMIC 1000PF 100V 10% 0402	0.001uF	100V	0.1	402	36	G311P829BAX102K3N_
7	C38, C54, C61, C62, C68, C73, C82, C86, C93, C98, C102, C107, C110, C115, C121, C126, C132, C133, C142, C149, C221, C225, C232, C237, C238, C243, C246, C250, C264, C269, C275, C276, C282, C287, C290, C297, C302, C306, C310, C314, C315, C327, C329, C331, C333, C337, C339, C341, C343, C353, C355, C389, C392, C395, C423, C424, C427, C429	CAP CERAMIC 0.022UF 50V 10% 0603	0.022uF	50V	0.1	603	58	G311P829BDX223K2N_
8	C39, C51, C65, C66, C88, C99, C130, C131, C143, C148, C245, C307, C319, C414, C415	CAP CERAMIC 0.01UF 50V 10% 0603	0.01uF	50V	0.1	603	15	G311P829BDX103K2N_
9	C49, C261, C346, C351, C357, C359, C361, C378, C385, C388, C396, C399, C417, C421, C426	CAP CERAMIC 0.027UF 25V 10% 0603	0.027uF	25V	0.1	603	15	G311P829BDX273K1N_
10	C154, C159, C164, C168, C172, C177, C180, C185, C188, C190, C193-C195, C197, C320, C326, C367, C368, C410, C419	CAP TANTALUM 1UF 10V 10% CHP-A	1uF	10V	0.1	.100 x .05	20	CWR09FC105KCB
11	C189	CAP CERAMIC 300PF 50V 10% 0603	300pF	50V	0.1	603	1	G311P829BDN301K2N_
12	C356	CAP CERAMIC 4700PF 50V 10% 0603	0.0047uF	50V	0.1	603	1	G311P829BDX472K2N_
13	C400	CAP TANTALUM 10UF 25V 10% 2711	10uF	25V	0.1	2711	1	CWR09KC106KCB
14	C407	CAP CERAMIC 3300PF 100V 10% 0603	0.0033uF	100V	0.1	603	1	G311P829BDX332K3N_
15	CR1-CR3, CR6-CR13						11	JANTXV1N5819UR-1
16	CR4, CR5						2	JANTXV1N5711UR-1
17	CR14	DIODE RECTIFIER 300MA 0.00 D-5B				D-5B	1	JANTXV1N6638US
18	FL1-FL10, FL14, FL15						12	CDM2005
19	FL11-FL13, FL16-FL20	FILTER CDKD3005 CERAMIC 400MHZ 1				LCC	8	DNI
20	J1	CONN D-SUB MDM PIN R/A 15PINS SM				CONN15	1	MWDM2L-15PSMRTN-429C
21	J2	CONN D-SUB MDM SOCKET R/A 15PINS				CONN15	1	MWDM2L-15SSMRTN-429C
22	J3-J6, J10-J13, J19-J34						24	7209-1511-040
23	J7-J9, J14-J18	CONN D-NANOMIN PLUG 0.00 9PINS TH				CONN9	8	891-006-9PSBST1T-429C
24	J35	CONN D-NANOMIN PLUG 0.00 9PINS TH				CONN31	1	891-006-51PSBST1T-429C
25	Q1, Q6, Q11	TRANSISTOR NPN 50V 800MA UB				UB	3	JANSR2N2222AUB
26	Q2	TRANSISTOR PNP 60V 0.6A 3-SM				3-SM	1	JANSR2N2907AUB

27	Q3, Q4						2	JANSR2N4957UB
28	Q5, Q7-Q10, Q13-Q15	TRANSISTOR NPN 15V 40MA UB				UB	8	JANSF2N2857UB
29	Q12						1	JANSR2N7503U8
30	R1, R26, R98, R117, R209-R212, R214, R218-R220, R285, R452, R467, R472, R477, R482, R487, R492, R498, R503, R574	RES 100K OHM .125W 0.01 0505	100K		0.01	505	23	M55342E02B100ER
31	R2	RES 750 OHM .25W 0.01 1206	750		0.01	1206	1	D55342K07B750DR
32	R3, R4, R249	RES 1.00K OHM .25W 0.01 1206	1K		0.01	1206	3	D55342K07B1E00R
33	R5, R6, R10, R15-R21, R24, R25, R32, R33, R36, R39-R44, R65, R66, R69-R74, R90-R97, R99-R103, R105-R108, R110, R111, R113-R116, R118-R124, R143-R153, R155, R156, R158-R160, R162, R164-R172, R174, R187, R196, R201-R208, R213, R215, R225, R252-R283, R289, R290, R293-R324, R333, R335-R339, R348-R351, R354, R363, R366-R371, R374-R377, R381-R384, R387-R393, R395, R408, R410, R411, R420-R429, R431-R440, R443, R453, R471, R476, R481, R486, R491, R497, R502, R507, R520, R541-R544, R546-R549	RES 100 OHM .05W 0.01 0402	100		0.01	402	241	M55342K11B100DR
34	R7, R8, R45-R49, R192, R222, R224, R234, R241, R284, R287, R288, R291, R292, R326, R328, R456-R458, R518, R538, R545, R552, R553, R577, R579	RES 10K OHM .125W 0.01 0505	10K		0.01	505	29	M55342E02B10E0R
35	R9, R22, R83, R184, R221, R235-R240, R242, R243, R286, R358, R448, R540, R550	RES 49.9 OHM .125W 0.01 0505	49.9		0.01	505	18	M55342K02B49D9R
36	R11, R30, R67, R163, R217, R246, R325, R327, R378-R380, R430, R494, R527, R554, R557, R558, R561, R576, R578, R580, R588, R596, R599	RES 1.00K OHM .125W 0.01 0505	1K		0.01	505	24	M55342K02B1E00R
37	R12, R29, R340, R341, R373, R386, R526, R529, R555, R560, R562, R582, R593, R597	RES 2K OHM .125W 0.01 0505	2K		0.01	505	14	M55342K02B2E00R
38	R13	RES 1.00M OHM .25W 0.01 1206	1MEG		0.01	1206	1	D55342K07B1F00R
39	R14, R28, R31, R34, R35, R37, R38, R52, R62, R63, R78, R84, R23, R539	RES 100 OHM .125W 0.01 0505	100		0.01	505	37	M55342K02B100DR
40	R27, R468, R470, R473, R475, R478, R480, R483, R485, R488, R490, R493, R496, R499, R500, R504, R506	RES 1.00M OHM .125W 0.01 0505	1MEG		0.01	505	17	M55342K02B1F00R
41	R50, R80, R81, R132-R135, R186, R188, R233, R400, R403	RES 4.99 OHM .125W 0.01 0505	4.99		0.01	505	12	M55342K02B4D99R
42	R51, R79, R82, R131, R136, R173, R175-R177, R185, R189, R197	RES 374 OHM .125W 0.01 0505	374		0.01	505	12	M55342K02B374DR
43	R200, R229, R232, R250, R412, R414, R416, R418, R510, R512, R53, R77, R85, R128, R130, R138, R139, R182, R191, R230, R399, R404	RES 374 OHM .125W 0.01 0505	374		0.01	505	12	M55342K02B374DR
44	R54, R76, R87, R126, R127, R140, R141, R180, R194, R227, R396, R407	RES 3.57K OHM .125W 0.01 0505	3.57K		0.01	505	12	M55342K02B3E57R
45	R55, R75, R88, R89, R125, R142, R178, R179, R195, R226, R365, R441	RES 2.94K OHM .125W 0.01 0505	2.94K		0.01	505	12	M55342K02B2E94R
46	R56, R59		DNI				2	DNI
47	R57, R352	RES 100 OHM .25W 0.01 1206	100		0.01	1206	2	D55342K07B100DR
48	R58, R64, R342, R343		DNI				4	DNI
49	R60, R61, R244, R251, R345, R346, R413, R415, R417, R419, R509, R511, R513, R515, R525, R528, R556, R559, R583, R594, R595, R598	RES 0 OHM .125W 0.01 0505	0		0.01	505	22	M32159B02M
50	R68, R104, R109, R112, R154, R157, R161, R216, R331, R356, R361, R398, R405, R444, R450, R454, R522	RES 499 OHM .125W 0.01 0505	499		0.01	505	17	M55342K02B499DR
51	R193, R551, R581	RES 49.9K OHM .125W 0.01 0505	49.9K		0.01	505	3	M55342E02B49E9R
52	R223, R517	RES 5.49K OHM .125W 0.01 0505	5.49K		0.01	505	2	M55342E02B5E49R
53	R228	RES 32.4K OHM .125W 0.01 0505	32.4K		0.01	505	1	M55342E02B32E4R
54	R247	RES 8.06K OHM .125W 0.01 0505	8.06K		0.01	505	1	M55342E02B8E06R
55								

56	R330, R357, R359, R401, R402, R447, R449, R524	RES 56.2 OHM .125W 0.01 0505	56.2		0.01	505	8	M55342K02B56D2R
57	R332, R355, R362, R397, R406, R445, R451, R521	RES 604 OHM .125W 0.01 0505	604		0.01	505	8	M55342K02B604DR
58	R372, R385	RES 1.5K OHM .125W 0.01 0505	1.5K		0.01	505	2	M55342K02B1E50R
59	R459-R466, R530-R537	RES 10K OHM .05W 0.01 0402	10K		0.01	402	16	M55342E11B10E0R
60	R469, R474, R479, R484, R489, R495, R501, R505, R563-R566, R575, R584-R587	RES 35.7K OHM .125W 0.01 0505	35.7K		0.01	505	17	M55342E02B35E7R
61	R567-R570, R589-R592	RES 12.4K OHM .125W 0.01 0505	12.4K		0.01	505	8	M55342E02B12E4R
62	R573	RES 63.4K OHM .125W 0.01 0505	63.4K		0.01	505	1	M55342E02B63E4R
63	R600	RES 0.00 OHM 100MW 1% 0603	0			603	1	M32159B12T
64	U1						1	1103R40M00000BD
65	U2, U52						2	5962R1121304VXC
66	U3, U4						2	5962G9652403VXC
67	U5	#Multiple				#Multiple	1	5962-0422106QNA
68	U6						1	5962H0151704VXC
69	U7, U68, U69, U71, U72, U74	IC DAC 0.00SPS 16-FP				16-FP	6	10946-QDAC2B-03
70	U8, U12-U14, U18-U20, U26, U27, U32, U60, U61	IC SENSOR DATA ACQUISITION 16-LCC				16-LCC	12	10946-CFD-D-03
71	U9, U57						2	5962R9865205VYA
72	U10, U56						2	5962R9865105VYA
73	U11, U15-U17, U22-U24, U29, U55, U58, U59, U62, U63, U66, U67, U70	IC COMPARATOR TTL/CMOS 1CHAN SC70-5				SC-70-5	16	ADCMF600BKSZ
74	U21, U25, U64, U65	IC SENSOR DATA ACQUISITION 84-QCFP				84-QCFP	4	10946-TOF-D-03
75	U28						1	5962R9858006QXC
76	U30, U42-U45, U47-U51						10	5962R0722701VZA
77	U31, U33, U73	IC AMP OPAMP 10-FPK				10-FPK	3	RH1078MW
78	U34-U41						8	7425-4100
79	U46	IC VREF SHUNT 2.5V CAN3 (TO-46)				CAN3 (TO-	1	5962R8961002VXC
80	U53						1	5962H0820302QXZ
81	U54	IC MRAM 16MBIT 40-FP				40-FP	1	5962G1222702QYC