

SkyWave BOM

Part: BA100500-001
Rev: B EC-1057
Desc: CCA MODEM CARD

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Find Num	Part Number	Revision	Description	Mfr. Name	Mfr. Part Number	Preference	RoHS	Qty	UOM	Reference Designators
0	SC100500-000	B EC-1057	SCH MODEM CARD					0		(DWG1)
0	BA100500-000	B EC-1057	CCA MODEM CARD (DWG)					0		(DWG2)
0	RW550022	A EC-1057	IDP MODEM REWORK INSTRUCTIONS					1		(DWG3)
0	BD100500-001	A EC-1020	PCB MODEM CARD					1	ea	(PCB1)
0	28000182	MC-1005	ELE FLTR FER BEAD EMI 220 OHM +/-25% 100MHz 300mA 0402	MURATA	BLM15AG221SN1D	Preferred	Compliant	3	ea	B10,B601,B900
0	FER100002	MC-1028	FERRITE BEAD EMI 10 OHM@100MHz 300mA DCRES 200 mOHM 0402	MURATA	BLM15BA100SN1D	Preferred	Compliant	2	ea	B17,B18
0	28000136	MC-1005	FER BEAD 1K 25% 250 mA DCR=1R1 0402	MURATA	BLM15HG102SN1D	Preferred	Compliant	26	ea	B2,B3,B4,B5,B6,B8,B9,B11,B16,B22,B23,B24,B550,B570,B600,B650,B700,B701,B702,B703,B704,B705,B800,B801,B802,B901
0	FER100003	MC-1028	FERRITE BEAD EMI 10 OHM@100MHz 500mA DCRES 250 mOHM 0603	MURATA	BLM18BA100SN1D	Preferred	Compliant	2	ea	B20,B21
0	28000181	MC-1005	ELE FLTR FER BEAD EMI 470 OHM +/-25% 100MHz 200mA 0402	MURATA	BLM15BD471SN1D	Preferred	Compliant	2	ea	B7,B12
0	20000476	MC-1021	CAP CER X5R 10u0 20% 6.3V 0603	MULTIPLE YAGEO	OPEN CC0603MRX5R5BB106	Preferred Cross Ref	Compliant Compliant	2	ea	C129,C140
0	20000368	MC-1005	CAP CER C0G 10p0 5% 50V 0402	MURATA	GRM1555C1H100JZ01D	Preferred	Compliant	4	ea	C138,C150,C620,C922
0	20000542	MC-1005	CAP CER X7R 1u00 10% 16V 0603	MULTIPLE YAGEO	OPEN CC0603KRX7R7BB105	Preferred Cross Ref	Compliant Compliant	11	ea	C19,C24,C33,C37,C43,C48,C58,C59,C64,C79,C157
0	20000379	MC-1005	CAP CER C0G 22p0 5% 50V 0402	MURATA	GRM1555C1H220JZ01D	Preferred	Compliant	77	ea	C2,C9,C13,C17,C22,C27,C28,C42,C91,C94,C95,C101,C103,C107,C111,C115,C116,C146,C155,C166,C170,C173,C174,C175,C176,C178,C179,C182,C183,C184,C185,C186,C187,C552,C571,C573,C574,C576,C577,C578,C581,C582,C585,C602,C603,C605,C608,C617,C708,C730,C746,C801,C804,C816,C818,C820,C821,C822,C823,C833,C835,C900,C901,C902,C903,C904,C907,C908,C909,C911,C917,C926,C927,C928,C938,C939,C941
0	CAP001352	MC-1049	CAP CER X5R 2.2uF 10% 10V 0603 SMT	MURATA	GRM188R61A225KE34D	Preferred	Compliant	8	ea	C20,C31,C39,C41,C46,C54,C56,C117
0	20000552	MC-1005	CAP CER X7R 10u0 10% 10V 0805	MULTIPLE MURATA	OPEN GRM21BR71A106KE51L	Preferred Cross Ref	Compliant Compliant	4	ea	C23,C89,C99,C108
0	20000355	MC-1005	CAP CER C0G 1n00 5% 50V 0402	MULTIPLE YAGEO	OPEN CC0402JRNPO9BN102	Preferred Cross Ref	Compliant Compliant	11	ea	C25,C85,C124,C131,C134,C139,C147,C655,C662,C700,C915
0	CAP001507	MC-1005	CAP 4u7 10% 10V X5R 0603	MULTIPLE YAGEO	OPEN CC0603KRX5R6BB475	Preferred Cross Ref	Compliant Compliant	2	ea	C29,C34
0	20000345	MC-1029	CAP CER X5R 47u0 20% 6.3V 1206	MURATA	GRM31CR60J476ME19L	Preferred	Compliant	1	ea	C3
0	20000544	MC-1005	CAP CER X7R 100n 10% 16V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R7BB104	Preferred Cross Ref	Compliant Compliant	89	ea	C5,C8,C18,C21,C32,C40,C47,C55,C57,C65,C66,C67,C68,C71,C72,C73,C74,C77,C78,C80,C81,C82,C83,C84,C86,C87,C88,C90,C93,C97,C100,C109,C110,C112,C119,C120,C121,C122,C123,C125,C127,C135,C142,C143,C148,C151,C553,C570,C579,C609,C611,C612,C614,C615,C622,C624,C652,C701,C702,C721,C723,C724,C726,C727,C732,C733,C737,C742,C747,C749,C800,C803,C806,C807,C808,C812,C815,C819,C824,C826,C827,C831,C905,C906,C912,C916,C919,C925,C940
0	CAP001005	MC-1005	CAP CER X5R 1u00 10% 6.3V 0402	MURATA	GRM155R60J105KE19D	Preferred	Compliant	9	ea	C551,C572,C604,C650,C654,C745,C918,C936,C937
0	20000551	MC-1005	CAP CER X7R 10u0 10% 16V 1206	MULTIPLE TDK CORPORATION	OPEN C3216X7R1C106KT	Preferred Cross Ref	Compliant Compliant	1	ea	C6
0	20000332	MC-1005	CAP CER C0G 100p 5% 50V 0402	MURATA	GRM1555C1H101JZ01D	Preferred	Compliant	18	ea	C610,C613,C621,C623,C625,C664,C725,C735,C736,C739,C743,C802,C805,C817,C825,C910,C913,C932
0	20000414	MC-1005	CAP CER C0G 470p 5% 50V 0402	MULTIPLE	OPEN	Preferred	Compliant	4	ea	C616,C626,C814,C834

				YAGEO	CC0402JRNPO9BN471	Cross Ref	Compliant			
0	20000513	MC-1005	CAP CER C0G 27p0 5% 50V 0402	MULTIPLE YAGEO	OPEN CC0402JRNPO9BN270	Preferred Cross Ref	Compliant Compliant	1	ea	C627
0	CAP001502	MC-1005	CAP CER C0G RF 82p0 5% 50V 0402	MURATA	GRM1555C1H820JZ01D	Preferred	Compliant	1	ea	C663
0	20000338	MC-1005	CAP CER C0G 270p 5% 50V 0402	MURATA	GRM1555C1H271JA01D	Preferred	Compliant	1	ea	C665
0	CAP000781	MC-1005	CAP CER X7R 1n50 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB152	Preferred Cross Ref	Compliant Compliant	1	ea	C666
0	20000586	MC-1005	CAP CER C0G 1p60 +/-0.1pF 50V 0402	MURATA	GJM1555C1H1R6BB01D	Preferred	Compliant	2	ea	C667,C935
0	CAP001503	MC-1005	CAP CER C0G RF 56p0 5% 50V 0402	MURATA	GRM1555C1H560JZ01D	Preferred	Compliant	1	ea	C668
0	CAP001501	MC-1005	CAP CER C0G RF 39p0 5% 50V 0402	MURATA	GRM1555C1H390JZ01D	Preferred	Compliant	2	ea	C669,C924
0	20000276	MC-1005	CAP CER X7R 10n0 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB103	Preferred Cross Ref	Compliant Compliant	49	ea	C7,C11,C12,C14,C16,C26,C30,C38,C44,C60,C62,C63,C69,C70,C96,C102,C104,C105,C106,C113,C114,C118,C126,C128,C130,C132,C136,C137,C141,C144,C149,C165,C167,C169,C619,C651,C657,C658,C703,C704,C705,C709,C722,C728,C731,C734,C741,C914,C921
0	CAP001500	MC-1005	CAP CER C0G RF 8pF +/-0.25pF 50V 0402	MURATA	GJM1555C1H8R0CB01D	Preferred	Compliant	1	ea	C710
0	20000573	MC-1005	CAP CER C0G 4p30 +/-0.1pF 50V 0402	MURATA	GJM1555C1H4R3BB01D	Preferred	Compliant	1	ea	C715
0	20000564	MC-1005	CAP CER C0G 2p70 +/-0.1pF 50V 0402	MURATA	GJM1555C1H2R7BB01D	Preferred	Compliant	2	ea	C717,C933
0	20000494	MC-1005	CAP CER X7R 3n30 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB332	Preferred Cross Ref	Compliant Compliant	1	ea	C719
0	20000056	MC-1005	CAP CER X7R 47n0 10% 50V 0603	MULTIPLE YAGEO	OPEN CC0603KRX7R9BB473	Preferred Cross Ref	Compliant Compliant	1	ea	C720
0	20000387	MC-1005	CAP CER C0G 180p 5% 50V 0402	MURATA	GRM1555C1H181JA01D	Preferred	Compliant	1	ea	C729
0	CAP000569	MC-1005	CAP CER X7R 2n20 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB222	Preferred Cross Ref	Compliant Compliant	1	ea	C738
0	20000337	MC-1005	CAP CER C0G 220p 5% 50V 0402	MURATA	GRM1555C1H221JA01D	Preferred	Compliant	1	ea	C744
0	20000415	MC-1005	CAP CER X7R 15n0 10% 16V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R7BB153	Preferred Cross Ref	Compliant Compliant	2	ea	C748,C942
0	20000231	MC-1005	CAP CER C0G 18p0 5% 50V 0402	MULTIPLE YAGEO	OPEN CC0402JRNPO9BN180	Preferred Cross Ref	Compliant Compliant	2	ea	C75,C76
0	20000416	MC-1005	CAP CER X7R 56n0 10% 10V 0603	MULTIPLE YAGEO	OPEN CC0603KRX7R6BB563	Preferred Cross Ref	Compliant Compliant	1	ea	C750
0	CAP001510	MC-1005	CAP 1n20 10% 16V X7R 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB122	Preferred Cross Ref	Compliant Compliant	4	ea	C809,C811,C828,C830
0	20000424	MC-1038	CAP CER X7R 5n60 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB562	Preferred Cross Ref	Compliant Compliant	2	ea	C813,C832
0	20000561	MC-1005	CAP CER X7R 2n70 10% 50V 0402	MULTIPLE YAGEO	OPEN CC0402KRX7R9BB272	Preferred Cross Ref	Compliant Compliant	1	ea	C920
0	20000481	MC-1005	CAP CER C0G 1p00 +/-0.1pF 50V 0402	MURATA	GJM1555C1H1R0BB01D	Preferred	Compliant	1	ea	C923
0	CAP001525	MC-1018	CAP 3p6 +/-0.1pF 50V C0G 0402	MURATA	GJM1555C1H3R6BB01D	Preferred	Compliant	1	ea	C929
0	20000587	MC-1005	CAP CER C0G 1p80 +/-0.1pF 50V 0402	MURATA	GJM1555C1H1R8BB01D	Preferred	Compliant	1	ea	C930
0	CAP001508	MC-1005	CAP 3p00 +/-0.1pF 50V C0G 0402	MURATA	GJM1555C1H3R0BB01D	Preferred	Compliant	1	ea	C931
0	20000585	MC-1005	CAP CER C0G 2p20 +/-0.1pF 50V 0402	MURATA	GJM1555C1H2R2BB01D	Preferred	Unknown	1	ea	C934
0	23000073	MC-1005	DIO SWITCH DUAL 70V 215mA 200mW SC70	ON SEMICONDUCTOR	BAV99WT1G	Preferred	Compliant	1	ea	D3
0	DIO001500	MC-1005	DIO VARACTOR RV=30V FC=20mA SOD323	INFINEON TECHNOLOGIES	BB640E6327XT	Preferred	Compliant	1	ea	D650
0	23000072	MC-1005	DIO VARACTOR SINGLE 10V 20mA 250mW SOD323	SKYWORKS SOLUTIONS	SMV1702-011LF	Preferred	Compliant	1	ea	D700
0	23000115	MC-1022	DIO VARACTOR 5.3 pF@1V C1/C3 = 2.2 0R47 SCD80	INFINEON TECHNOLOGIES INFINEON TECHNOLOGIES	BBY53-02WH6327 BBY53-02WE6327	Preferred Alternate	Compliant Compliant	1	ea	D900

0	ELE100002	MC-1028	ELE FILTER EMI 4A 20mOHM 0805	MURATA	NFM21PC105B1C3D	Preferred	Compliant	1	ea	FL1
0	ELE001507	MC-1005	ELE FLTR SAW IF 119.64MHz 5.5dB 7.0X5.0MM	TAI-SAW TECHNOLOGY CO.	TB0777A	Preferred	Compliant	1	ea	FL700
0	33000045	MC-1005	HYB Splitter 2-Way 0° 1607-1631MHz 3.4dB 17dB ISO	MURATA	LDD211G6103A-095	Preferred	Compliant	1	ea	HY571
0	ELE001506	MC-1005	ELE COUPLER 1880.0MHz	MURATA	LDC181G8807Q-366	Preferred	Compliant	1	ea	HY900
0	CON001517	MC-1005	CONN RECTANGULAR 2x10 FEMALE 2mm SMT	SAMTEC	MMS-110-02-L-DV-A-K-TR	Preferred	Compliant	1	ea	J1
0	25000208	MC-1005	CONN JACK IPX STR Au 1PIN	ZARGO TECHNOLOGIES	IPX88-1	Preferred	Compliant	1	ea	J2
0	28000133	MC-1005	IND CER 2u20 20% 510mA 0806	TAIYO YUDEN	CB 2016T2R2M	Preferred	Compliant	1	ea	L2
0	IND000092	MC-1005	IND SPRING 35n5 5% 4A	COILCRAFT	B09TJLC	Preferred	Compliant	1	ea	L570
0	IND001505	MC-1005	IND MONOLITHIC HIGH Q 120nH 5% 150mA 0402	MURATA	LQG15HNR12J02D	Preferred	Compliant	4	ea	L653,L655,L700,L707
0	IND001501	MC-1005	IND CHIP RF 33n0 2% 420mA 0.23ohm 0603	MURATA	LQW18AN33NG00D	Preferred	Compliant	1	ea	L654
0	IND001500	MC-1005	IND CHIP RF 200nH 2% 120mA 2.4ohm 0603	MURATA	LQW18ANR20G00D	Preferred	Compliant	2	ea	L701,L702
0	IND001513	MC-1005	IND 7n50 +/-0.1nH 110mA RF 0402	MURATA	LQP15MN7N5B02D	Preferred	Compliant	1	ea	L703
0	28000149	MC-1005	IND CER 10u0 10% 10mA 1.70Ω 0603	TDK CORPORATION	MLF1608E100K	Preferred	Compliant	2	ea	L704,L705
0	28000135	MC-1005	IND CER 1u80 5% 50mA 850mΩ 0603	TDK CORPORATION	MLF1608A1R8JT	Preferred	Compliant	1	ea	L706
0	28000204	MC-1005	IND CER 27n0 3% 280mA 520mΩ 0402	MURATA	LQW15AN27NH00D	Preferred	Compliant	1	ea	L800
0	IND001512	MC-1005	IND 2n70 +/-0.1nH 220mA RF 0402	MURATA	LQP15MN2N7B02D	Preferred	Compliant	1	ea	L900
0	28000237	MC-1005	IND CER 22n0 2% 70mA 0402	MURATA	LQP15MN22NG02D	Preferred	Compliant	2	ea	L901,L903
0	28000247	MC-1005	IND CER 1n15 5% 3A 21mΩ 0604	COILCRAFT	0604HQ-1N1XJLC	Preferred	Compliant	1	ea	L902
0	IND001510	MC-1005	IND 10n0 2% 100mA RF 0402	MURATA	LQP15MN10NG02D	Preferred	Compliant	1	ea	L904
0	IND001511	MC-1005	IND 18n0 2% 80mA RF 0402	MURATA	LQP15MN18NG02D	Preferred	Compliant	1	ea	L905
0	43000049	MC-1005	XSTR P-CH MOSFET DUAL 20V 600mA 300mW SC70-6	FAIRCHILD	FDG6308P	Preferred	Compliant	4	ea	Q1,Q8,Q9,Q24
0	TRA001500	MC-1005	XSTR NPN BJT RF SOT323	INFINEON TECHNOLOGIES INFINEON TECHNOLOGIES	BFS17WH6327XT BFS17WE6327XT	Preferred Alternate	Compliant Compliant	5	ea	Q15,Q16,Q18,Q700,Q701
0	43000080	MC-1005	XSTR N-CH MOSFET 50V 200mA 225mW SOT23	ON SEMICONDUCTOR	BSS138LT1G	Preferred	Compliant	9	ea	Q2,Q4,Q5,Q6,Q12,Q13,Q23,Q25,Q28
0	43000079	MC-1005	XSTR P-CH MOSFET 50V 130mA 250mW SOT23	NXP SEMICONDUCTORS	BSS84,215	Preferred	Compliant	1	ea	Q22
0	43000092	MC-1005	XSTR P-CH MOSFET 40V 8.2A 2.5W SO8	FAIRCHILD	FDS4685	Preferred	Compliant	1	ea	Q3
0	43000047	MC-1005	XSTR NPN BJT DUAL 13GHz 3V 10mA 30mW SO6	CALIFORNIA EASTERN LABORATORIES	UPA807T-T1-A	Preferred	Compliant	2	ea	Q651,Q901
0	43000091	MC-1029	XSTR P-CH MOSFET 20V 580mA 520mW SOT323	INFINEON TECHNOLOGIES	BSS209PWL6327XT	Preferred	Compliant	1	ea	Q902
0	21000419	MC-1005	RES FILM 100R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07100RL	Preferred Cross Ref	Compliant Compliant	7	ea	R1,R151,R153,R169,R171,R571,R907
0	21000542	MC-1005	RES FILM 330K 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07330KL	Preferred Cross Ref	Compliant Compliant	6	ea	R11,R12,R33,R57,R183,R184
0	21000458	MC-1005	RES FILM 4K42 1% 1/16W 0402	VISHAY	CRCW04024K42FKED	Preferred	Compliant	2	ea	R131,R191
0	21000599	MC-1005	RES FILM 24K3 1% 1/16W 0402	VISHAY	CRCW040224K3FKED	Preferred	Compliant	3	ea	R150,R158,R170
0	21000381	MC-1005	RES FILM 51K1 1% 1/16W 0402	VISHAY	CRCW040251K1FKED	Preferred	Compliant	11	ea	R152,R160,R172,R804,R805,R806,R807,R820,R821,R822,R823
0	RES000780	MC-1005	RES FILM 562R 1% 1/16W 0402	VISHAY	CRCW0402562RFKED	Preferred	Compliant	2	ea	R154,R173
0	RES000503	MC-1005	RES FILM 1K00 1% 1/16W 0402	VISHAY	CRCW04021K00FKED	Preferred	Compliant	1	ea	R165
0	21000584	MC-1005	RES FILM 30K1 1% 1/16W 0402	VISHAY	CRCW040230K1FKED	Preferred	Compliant	1	ea	R181
0	21000410	MC-1005	RES FILM 20K0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0720KL	Preferred Cross Ref	Compliant Compliant	4	ea	R188,R609,R702,R703
0	RES001204	MC-1028	RES FILM 120K 1% 1/16W 0402	VISHAY	CRCW0402120KFKED	Preferred	Compliant	2	ea	R201,R204
0	21000435	MC-1028	RES FILM 182K 1% 1/16W 0402	VISHAY	CRCW0402182KFKED	Preferred	Compliant	2	ea	R202,R207
0	21000365	MC-1005	RES FILM 18K2 1% 1/16W 0402	VISHAY	CRCW040218K2FKED	Preferred	Compliant	1	ea	R219
0	21000412	MC-1005	RES FILM 249K 1% 1/16W 0402	VISHAY	CRCW0402249KFKED	Preferred	Compliant	1	ea	R220
0	21000385	MC-1005	RES FILM 2K00 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-072KL	Preferred Cross Ref	Compliant Compliant	2	ea	R23,R715
0	21000564	MC-1005	RES FILM 470K 5% 1/16W 0402	MULTIPLE	OPEN	Preferred	Compliant	6	ea	R26,R39,R95,R121,R175,R934

				YAGEO	RC0402JR-07470KL	Cross Ref	Compliant			
0	21000019	MC-1047	RES FILM 150R 5% 1/10W 0603	MULTIPLE YAGEO	OPEN RC0603JR-07150RL	Preferred Cross Ref	Compliant Compliant	1	ea	R28
0	21000316	MC-1005	RES FILM 10K0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0710KL	Preferred Cross Ref	Compliant Compliant	46	ea	R3,R9,R13,R14,R15,R16,R20,R21,R22,R25,R27,R61,R66,R67,R74,R76,R82,R83,R114, R122,R123,R126,R127,R128,R132,R133,R139,R206,R550,R551,R552,R555,R556,R557,R558 ,R604,R608,R611,R612,R617,R711,R713,R900,R901,R903,R906
0	RES000395	MC-1005	RES THICK FILM 0R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-070RL	Preferred Cross Ref	Compliant Compliant	31	ea	R31,R44,R49,R91,R92,R94,R106,R137,R147,R155,R156,R162,R163,R164,R166,R576, R600,R601,R602,R614,R651,R655,R705,R712,R718,R719,R720,R815,R910,R915,R917
0	21000366	MC-1005	RES FILM 1M00 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-071ML	Preferred Cross Ref	Compliant Compliant	2	ea	R35,R146
0	21000404	MC-1005	RES FILM 432K 1% 1/16W 0402	VISHAY	CRCW0402432KFKED	Preferred	Compliant	1	ea	R42
0	RES001212	MC-1005	RES FILM 71K5 1% 1/16W 0402	VISHAY	CRCW040271K5FKED	Preferred	Compliant	1	ea	R43
0	21000403	MC-1005	RES FILM 511K 1% 1/16W 0402	VISHAY	CRCW0402511KFKED	Preferred	Compliant	1	ea	R50
0	21000382	MC-1005	RES FILM 61K9 1% 1/16W 0402	VISHAY	CRCW040261K9FKED	Preferred	Compliant	1	ea	R52
0	RES000430	MC-1005	RES FILM 1M00 1% 1/16W 0402	VISHAY	CRCW04021M00FKED	Preferred	Compliant	2	ea	R54,R107
0	21000390	MC-1005	RES FILM 750R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07750RL	Preferred Cross Ref	Compliant Compliant	2	ea	R572,R573
0	RES001526	MC-1005	RES 0.0Ohm 1/8W 0402 HIGH POWER	VISHAY	CRCW04020000Z0EDHP	Preferred	Compliant	1	ea	R574
0	RES001519	MC-1005	RES 5R1 5% 1/16W THICK FILM 0402	MULTIPLE YAGEO	OPEN RC0402JR-075R1L	Preferred Cross Ref	Compliant Compliant	1	ea	R59
0	21000540	MC-1005	RES FILM 200K 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07200KL	Preferred Cross Ref	Compliant Compliant	2	ea	R6,R81
0	21000451	MC-1005	RES FILM 51R0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0751RL	Preferred Cross Ref	Compliant Compliant	5	ea	R607,R710,R905,R921,R923
0	21000418	MC-1005	RES FILM 1K20 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-071K2L	Preferred Cross Ref	Compliant Compliant	3	ea	R653,R717,R922
0	21000353	MC-1005	RES FILM 150R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07150RL	Preferred Cross Ref	Compliant Compliant	1	ea	R654
0	21000414	MC-1005	RES FILM 3K30 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-073K3L	Preferred Cross Ref	Compliant Compliant	4	ea	R660,R661,R709,R929
0	21000396	MC-1005	RES FILM 5K10 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-075K1L	Preferred Cross Ref	Compliant Compliant	6	ea	R662,R800,R803,R813,R819,R930
0	21000434	MC-1005	RES FILM 82R0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0782RL	Preferred Cross Ref	Compliant Compliant	4	ea	R663,R700,R701,R927
0	21000387	MC-1005	RES FILM 33R0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0733RL	Preferred Cross Ref	Compliant Compliant	31	ea	R68,R73,R75,R78,R79,R80,R88,R89,R93,R96,R97,R100,R101,R102,R103,R104,R109, R110,R111,R112,R113,R117,R118,R138,R142,R143,R144,R174,R194,R197,R198
0	21000407	MC-1005	RES FILM 100K 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07100KL	Preferred Cross Ref	Compliant Compliant	31	ea	R7,R8,R17,R24,R30,R40,R45,R53,R56,R58,R64,R65,R84,R85,R86,R98,R105,R115,R120,R1 24,R125,R134,R136,R140,R167,R168,R193,R199,R209,R218,R221
0	21000313	MC-1005	RES FILM 470R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07470RL	Preferred Cross Ref	Compliant Compliant	1	ea	R707
0	RES000489	MC-1005	RES FILM 100K 1% 1/16W 0402	VISHAY	CRCW0402100KFKED	Preferred	Compliant	6	ea	R71,R87,R108,R182,R205,R714
0	21000475	MC-1005	RES FILM 1K80 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-071K8L	Preferred Cross Ref	Compliant Compliant	2	ea	R716,R911
0	RES100010	MC-1019	RES FILM 3K57 1% 1/16W 0402	VISHAY	CRCW04023K57FKED	Preferred	Compliant	1	ea	R77
0	RES000406	MC-1005	RES FILM 10K0 1% 1/16W 0402	VISHAY	CRCW040210K0FKED	Preferred	Compliant	8	ea	R801,R802,R809,R812,R814,R816,R825,R828

0	21000452	MC-1005	RES FILM 680R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07680RL	Preferred Cross Ref	Compliant Compliant	2	ea	R808,R824
0	21000528	MC-1005	RES FILM 10R0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0710RL	Preferred Cross Ref	Compliant Compliant	10	ea	R829,R830,R831,R832,R833,R902,R904,R909,R912,R918
0	21000492	MC-1005	RES FILM 330R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07330RL	Preferred Cross Ref	Compliant Compliant	1	ea	R913
0	21000446	MC-1005	RES FILM 270R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07270RL	Preferred Cross Ref	Compliant Compliant	1	ea	R916
0	21000616	MC-1005	RES FILM 27K0 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-0727KL	Preferred Cross Ref	Compliant Compliant	1	ea	R924
0	RES001518	MC-1005	RES 12R 5% 1/16W THICK FILM 0402	MULTIPLE YAGEO	OPEN RC0402JR-0712RL	Preferred Cross Ref	Compliant Compliant	2	ea	R925,R926
0	21000397	MC-1005	RES FILM 180R 5% 1/16W 0402	MULTIPLE YAGEO	OPEN RC0402JR-07180RL	Preferred Cross Ref	Compliant Compliant	1	ea	R931
0	INT000498	MC-1005	IC RF SWI SPDT L/S-BAND GaAs 0.05-3.0GHz	NEC ELECTRONICS CORPORATION	UPG2214TB-E4-A	Preferred	Compliant	1	ea	S570
0	MEC001530	MC-1058	MECH SHIELD FENCE 0.650x0.650x0.142in STEEL SN	LAIRD TECHNOLOGIES	BMIS-202-F	Preferred	Compliant	2	ea	SH2,SH6
0	MEC001532	MC-1058	MECH SHIELD FENCE 1.762x1.231x0.128in STEEL SN	LAIRD TECHNOLOGIES	BMIS-210-F	Preferred	Compliant	2	ea	SH8,SH9
0	INT001534	MC-1005	IC LOGIC LDO REGULATOR LINEAR IN=0-6.5V OUT=3V 2% 200mA TSOT23-5	TEXAS INSTRUMENTS TEXAS INSTRUMENTS	TPS79930DDCR TPS79930DDCT	Preferred Preferred	Compliant Compliant	5	ea	U1,U3,U6,U9,U28
0	30000366	MC-1005	IC LOGIC LATCH OCTAL 3S TSSOP-20	FAIRCHILD	74LCX573MTCX	Preferred	Compliant	1	ea	U11
0	INT001537	MC-1005	IC MEM SRAM 2Mb 256Kx8 45ns 36-VFBGA	CYPRESS	CY62138EV30LL-45BVXI	Preferred	Compliant	1	ea	U12
0	INT001526	MC-1005	IC PROCESSOR MCU 0-32MHz@2.7-3.6V 128 FLASH BALL CBGA-100	ATMEL	ATXMEGA128A1-CU	Preferred	Compliant	1	ea	U13
0	INT001538	MC-1005	IC SENSOR TEMPERATURE -55°C/125°C I²C XSON8U	NXP SEMICONDUCTORS	LM75BGD,125	Preferred	Compliant	1	ea	U14
0	INT001529	MC-1005	IC MEM FLASH 2Mb 256Kx8 SPI 75MHz SO8N	MICRON TECHNOLOGY	M25PE20-VMN6TP	Preferred	Compliant	1	ea	U15
0	INT001528	MC-1005	IC PROCESSOR DSP 300MHz 132K RAM 208-CSPBGA	ANALOG DEVICES	ADSP-BF522BBCZ-3A	Preferred	Compliant	1	ea	U16
0	31000060	MC-1005	IC MEMORY FLASH 8Mbit 512Kx16 70ns BGA-48	MICRON TECHNOLOGY MICRON TECHNOLOGY	M29W800DB70ZE6F M29W800DB70ZE6E	Preferred Alternate	Compliant Compliant	1	ea	U17
0	INT001532	MC-1005	IC LOGIC AND 2 INPUT SINGLE SC-70-5	TEXAS INSTRUMENTS TEXAS INSTRUMENTS	SN74LVC1G08DCKR SN74LVC1G08DCKT	Preferred Preferred	Compliant Compliant	3	ea	U18,U19,U22
0	31000061	MC-1005	IC MEMORY RAM 8Mbit 512Kx16 45ns BGA-48	CYPRESS	CY62157EV30LL-45BVXI	Preferred	Compliant	1	ea	U20
0	38000014	MC-1005	IC SUPERVISOR RESET 2.75V 1% OD ACTIVE LOW SOT23-5	NATIONAL SEMICONDUCTOR	LP3470IM5-2.75/NOPB	Preferred	Compliant	1	ea	U21
0	30000357	MC-1039	IC LOGIC NAND 2 INPUT SINGLE P-P SC70-5	TEXAS INSTRUMENTS TEXAS INSTRUMENTS TEXAS INSTRUMENTS TEXAS INSTRUMENTS	SN74LVC1G00DCKRE4 SN74LVC1G00DCKRG4 SN74LVC1G00DCKTE4 SN74LVC1G00DCKTG4	Preferred Preferred Preferred Preferred	Compliant Compliant Compliant Compliant	1	ea	U23
0	35000012	MC-1005	OSC TCXO 16.367 MHz 1.5ppm (25°C) 1ppm (-30°C / 75°C) 1.5ppm (-40°C / 85°C) CLIPPED	RAKON	IT5310BE 16.367MHz TX3985	Preferred	Compliant	1	ea	U24
0	30000081	MC-1005	IC UN-BUFF INV 1.65-5.5V SOT353	NXP SEMICONDUCTORS	74LVC1GU04GW,125	Preferred	Compliant	1	ea	U25
0	INT000930	MC-1005	IC OP-AMP R-to-R 300kHz 0.020mA 1.8-6.0V SOT23-5	MICROCHIP	MCP6231UT-E/OT	Preferred	Compliant	1	ea	U27
0	37000016	MC-1005	IC VREG DC-DC IN=-0.3~7 OUT=0.3~5.4V 500mA QFN10	TEXAS INSTRUMENTS TEXAS INSTRUMENTS	TPS62320DRCCR TPS62320DRCRG4	Preferred Preferred	Compliant Compliant	1	ea	U4
0	INT001535	MC-1005	IC LOGIC LDO REGULATOR LINEAR IN=2.7-6.5V OUT=1.2-6.5V 2% 200mA TSOT23-5	TEXAS INSTRUMENTS TEXAS INSTRUMENTS	TPS79901DDCR TPS79901DDCT	Preferred Preferred	Compliant Compliant	1	ea	U5
0	INT001504	MC-1005	IC BUFF OCTAL NON-INV 3-STATE 1.65-3.6V QFN20	TEXAS INSTRUMENTS	SN74LVC244ARGYR	Preferred	Compliant	1	ea	U551
0	30000362	MC-1005	IC UN-BUFF INV 1.65-5.5V SC70-5	FAIRCHILD	NC7SZU04P5X	Preferred	Compliant	1	ea	U570

0	INT001500	MC-1005	IC XCVR GPS-GLONASS-GALILEO 1RX 2.7-3.3V QFN28	MAXIM	MAX2769ETI+	Preferred	Compliant	1	ea	U600
0	INT100003	MC-1028	IC VREG LDO IN=2.7-6.5V OUT=ADJ 200mA SON-6	TEXAS INSTRUMENTS	TPS79901DRVR	Preferred	Compliant	2	ea	U7,U10
0	INT001508	MC-1025	IC MIXER 1400-2100MHz 8.0dB LLP	M/A-COM RF AND MICROWAVE COMPONENTS	MAMXSS0013	Preferred	Compliant	1	ea	U700
				M/A-COM RF AND MICROWAVE COMPONENTS	MAMXSS0013TR-3000	Preferred	Compliant			
0	33000039	MC-1037	IC DATA ACQ IF ADC 16/24 BIT I/Q SPI LFCSP-48	ANALOG DEVICES	AD9864BCPZRL	Preferred	Compliant	1	ea	U701
				ANALOG DEVICES	AD9864BCPZ	Alternate	Compliant			
0	29000048	MC-1024	IC OP-AMP DUAL R-to-R 1.4MHz 650uA 2-15.5V uSMD8	NATIONAL SEMICONDUCTOR	LMC6035ITL/NOPB	Preferred	Compliant	4	ea	U800,U802,U803,U806
				NATIONAL SEMICONDUCTOR	LMC6035ITLX/NOPB	Preferred	Compliant			
0	INT001505	MC-1023	IC DAC 8b 30Msps IN=2.5-5.5V MSOP10	ANALOG DEVICES	AD5304ARMZ	Preferred	Compliant	1	ea	U801
0	33000040	MC-1005	IC FREQ CONV MOD 0.8-2.5 GHz QUADRATURE TSSOP-16	ANALOG DEVICES	AD8346ARUZ-REEL7	Preferred	Compliant	1	ea	U804
0	INT001527	MC-1005	IC AMPLIFIER 50-4000MHz SOT-363	RF MICRO DEVICES (RFMD)	SGC-2463Z	Preferred	Compliant	1	ea	U805
0	INT001501	MC-1005	IC PLL FRACTIONAL-N 0.1-2.1GHz 2.7-3.3V QFN24	SKYWORKS SOLUTIONS	SKY72310-362LF	Preferred	Compliant	1	ea	U900
0	INT001531	MC-1005	IC LOW NOISE AMPLIFIER 900-3500 MHz 17.9dB 0.97dB 6-UDFN	AVAGO TECHNOLOGIES	MGA-24106-TR1G	Preferred	Compliant	1	ea	U901
				AVAGO TECHNOLOGIES	MGA-24106-TR2G	Preferred	Compliant			
0	35000017	MC-1005	OSC XTAL 32.768 kHz +/-20ppm 12.5pF 8.0 x 3.8mm	ABRACON	ABS25-32.768KHZ-T	Preferred	Compliant	1	ea	Y1