

Description	BOM QTY.	BOM.Ref Des	Manufacturers.Mfr. Name	Manufacturers.Mfr. Part Number
TOPA NGP PICO				
Gland Kit for IP67	1		AVC	KA0017-01
Gland Kit for IP67 DOCA	REF			
Gland Kit for IP67 Draw	REF			
GLAND M25X1.5 IP68	1		AVC	MGB25-08G-ST-XA
PLUG SPR 79 SPR SEALING PINS	1		AVC	SPR-079-B
Polyethyl Bag 5.1x18cm for Panel&Screw DType	1		D.C.PACK	NB-1000
Polyethyl Bag With Locker	REF			
KITA Gland for IP67 14mm cable	1		AVC	KA0039-01
DOCA KITAGland IP67 14mm cable	REF			
Gland Kit for IP67 Draw for 14mm cable	REF			
GLAND M25X1.5 IP68 for 14mm cable	1		AVC	MGB25-14B-ST-XA
PLUG SPR 140 SPR SEALING PINS	1		AVC	SPR-140-B
Polyethyl Bag 5.1x18cm for Panel&Screw DType	1		D.C.PACK	NB-1000
Polyethyl Bag With Locker	REF			
O-RING M16 + PLUG SPM1609 GREY	1		AVC	KA2526-01
PLUG NYLON SCREW M16X1.5 GRAY	1		BEISIT	SPM1609 GREY
RUBBER WASHER FOR SPG-M16-G	1		SHAGAL	M16 RUBBER
NGP PICO - Seal	1		SHAGAL	MC9428-01
NGP PICO - Seal - Drw.	REF			
GLAND ASSY	4		SILRAM	MD1088

GLAND PG-16 IP68	1		AVC	PG16-10G-XA
SPR SEALING PLUGS (SPR 105)	1		AVC	SPR 120
PC PICO Edge Card	1		Unitech	PC1660-12
DRIVE FASTENER 9mm	4		SKIFFY	094045060301
SUBA NGP PICO BASE	1			
Thermal Pad 9X9X1	1		WHA-YUEB	SHA-ALVA-10067
Thermal Pad 9X9X1 Drw.	REF			
Thermal pad 20 X13 X1	6		T.GLOBAL	MC9160-01
Thermal pad 20 X13X1 Drw.	REF			
Thermal pad 12X6X1	3		WHA-YUEB	SHA-ALVA-10025
Thermal pad 12X6X1 Drw.	REF			
Thermal pad 13X9X1	4		BERQUIST	MC9163-01
Thermal pad 13X9X1 Drw.	REF			
Thermal pad 13X13X1	1		WHA-YUEB	SHA-ALVA-10027
Thermal pad 13X13X1 Drw.	REF			
Thermal pad 22X22X1	1		T.GLOBAL	MC9165-01
Thermal pad 22X22X1 Drw.	REF			
NGP PICO - Dig. Housing	1		SJS PREC	MC9424-01
NGP PICO - Dig. Housing - Drw.	REF			
NGP PICO - Dig. Cover	1		SJS PREC	MC9426-01
NGP PICO - Dig. Cover - Drw.	REF			
Thermal pad 57.8x26x5	1		LAIRD	MC9438-01
Thermal pad 57.8x26x5 - Drw.	REF			
Thermal pad 14x14x1.8	1		LAIRD	MC9439-01
Thermal pad 14x14x1.8 - Drw.	REF			
Thermal pad 28x28x1.8	2		BERQUIST	MC9449-01
Thermal pad 28x28x1.8 - Drw.	REF			
DOCA SUBA NGP PICO BASE	REF			

SUBA NGP PICO BASE Drw.	REF			
SUBA NGP PICO BASE	1			
PCBA Extr.POE Hot Swap Balcony Card	1			
DOCA PCBA Extr. POE Hot Swap	REF			
PCBA Extr.POE Hot Swap Balcony Card - Draw	REF			
PCBA Extr.POE Hot Swap Balcony Card-Elect.Schema	REF			
CAP,CER,22nF,100V,20% X7R,SMD,1206	1	C122	MURATA	GRM42-6-X7R-223K100-500
CAP,CER,68nF,200V,10% X7R,SMD,1206	2	C120,C121	SAMSUNG	CL31B683KDHNNC
CAP,CER,47nF,25V,5% X7R,SMD,0603	1	C123	SYFER	0603J0250473JXT
CAP,CER,100pF,100V,5% C0G,SMD,0603	1	C119	CAL-CHIP	GMC10CG101J100NTL F
DIODE,SCHOT,2.0A,40V, SMD,	1	D4	ON SEMIC	MBRS2040LT3G
DIODE,RECTIFIER,FAST 200V,1A,SMD,DO-214AC	1	D3	VISHAY	ES1D-E3
DI SW 100V/150MA 1N4148 SOD123	2	D5,D6	VISHAY	1N4148W-V-GS08
DIODE,ZENER,12V,500mW SMD,SOD-123	1	D1	ON SEMIC	MMSZ5242BT1G
IND,10uH,20%,0.019 OHM 6.7A,SMD	2	L1,L2	GANGSONG	GSRH127-100M
Optocoupler 5.3KV TRIOS SMD	2	U2,U3	VISHAY	SFH6186-3T
PCB Extr.POE Hot Swap Balcony Card	1		opc	pc1571-11
IC,Hot Swap Cont,SMD ADM1073,-48V,TSSOP14	1	U1	ANALOG D	ADM1073ARUZ REEL

RES,5.11K OHM,1/10W,1% SMD,0603	1	R19	VISHAY	D11/CRCW0603 100 5K11 1% ET1E3
RES,10K OHM,1/10W,1% SMD,0603	6	R16,R17,R18,R25,R26,R27	YAGEO	RC0603FRF0710K
RES,20K OHM,1/10W,1% SMD,0603	2	R14,R15	VISHAY	D11/CRCW0603 100 20K 1% ET1E3
RES,240 OHM,1/10W,5% SMD,0603	1	R13	VISHAY	D11/CRCW0603 200 240R 5% ET1E3
RES,100K OHM,1/10W,1% SMD,0603	3	R10,R11,R12	ROEDERS	D11100KFCS
RES,200K OHM,1/10W,1% SMD,0603	3	R8,R9,R22	VISHAY	D11 100 200K 1% P5
RES,49.9 OHM,1/10W,1% SMD,0603	1	R7	NIC COMP	NRC06F49R9TR
RES,11K OHM,1/10W,1% SMD,0603	1	R6	DRALORIC	D11-100-11K-1%-P5+e3
RES,100m OHM,1/4W,1% SMD,1206	1	R24	YAGEO	RL1206FR-070R1L
RES,150m OHM,1/2W,1% SMD,1206	1	R5	IRC	LRC-LR1206LF-01-R150-FT
RES,0 OHM,1/16W,5% SMD,0402	1	R21	VISHAY	CRCW04020000Z0EE
RES,1K OHM,1/16W,1% SMD,0402	1	R20	YAGEO	RC0402FR-071K
RES,3.01K OHM,1/16W,1% SMD,0402	1	R23	TMTEC	CR02FL6-3K01
RES,10M OHM,1/10W,5% SMD,0603	3	R1,R2,R3	WALSIN	WR06X106JTL
TRSTOR,PNP,2N2907A, SW,60V,600mA,SOT-23	1	Q4	SIEMENS	SMBT2907A
MOSFET,N-CHAN,60V,115mA Rds 7.5 OHM,SMD,SOT-23	1	Q5	ON SEMIC	2N7002LT1G

TRSTOR,MOSFET,N-CH, 150V,43A,42mOHM,D-2PAK	1	Q2	INT. REC	IRF3415S
MOSFET,P-CHAN,-150V,0.7A 2.4OHM,SMD,SO-8	1	Q1	IR	IRF6217TRPBF
PCBA NGP PICO (P3041) HW Card - 2nd layout	1			
PCBA DOCA NGP PICO HW Card - 2nd layout	REF			
DOCA PCBA NGP PICO HW Card - 2nd layout	REF			
PCBA NGP PICO HW Card Elec. Drw. -2nd layout	REF			
Insertion Files - 2nd PC NGP PICO HW Card	REF			
CAP,CER,1nF,100V,10% X7R,SMD,0603	6	C2012,C2013,C2014,C2015,C2016,C2017	YAGEO	CC0603KRX7R0BB102
CAP,CER,4.7nF,50V,10% X7R,SMD,0402	5	C1086,C1220,C1284,C1291,C1299	SAMSUNG	CL05B472KBNC
CAP,CER,33pF,16V,10% C0G,SMD,0402	2	C111,C1213	TDK	C1005COG1C330KT
CAP,CER,1uF,25V,10% X7R,SMD,1206	1	C1440	SYFER	1206J025-0105KXT
CAP,CER,0.1uF,100V,10% X7R,SMD,1206	1	C236	NOVACAP	1206Z104M101NT
CAP,CER,1uF,10V,10% X7R,SMD,0805	1	C1442	HITANO	0805B105K160N3
CAP,CER,10nF,100V,10% X7R,SMD,0603	1	C1444	VITRAMON	VJ0603Y103KXBTM
CAP,CER,10nF,50V,5% X7R,SMD,0603	1	C218	NIC COMP	NMC0603X7R103J50TRPF
CAP,CER,100pF,50V,5% C0G,SMD,0402	4	C533,C617,C1169,C1287	AVX	CM05CG101J50VAH

CAP,CER,10nF,16V,10% X7R,SMD,0402	205	C25,C26,C29,C30,C41,C42,C46,C47,C52,C53,C55,C58,C61,C66,C72,C98,C107,C133,C134,C143,C159,C160,C162,C168,C169,C173,C178,C181,C184,C191,C192,C246,C255,C256,C259,C260,C262,C263,C264,C265,C266,C267,C273,C275,C510,C512,C514,C516,C520,C534,C536,C537,C538,C539,C569,C570,C572,C573,C575,C576,C579,C580,C581,C582,C583,C584,C618,C624,C628,C664,C679,C705,C730,C734,C743,C760,C770,C778,C797,C805,C821,C838,C861,C863,C865,C891,C895,C904,C905,C906,C908,C909,C916,C919,C928,C931,C933,C935,C936,C939,C941,C948,C958,C961,C963,C964,C968,C969,C972,C973,C980,C988,C991,C992,C1000,C1004,C1006,C1007,C1008,C1009,C1010,C1013,C1014,C1016,C1019,C1022,C1029,C1034,C1035,C1036,C1037,C1050,C1064,C1065,C1066,C1067,C1084,C1085,C1093,C1096,C1097,C1098,C1109,C1118,C1128,C1130,C1134,C1135,C1139,C1141,C1145,C1154,C1166,C1177,C1184,C1186,C1189,C1191,C1192,C1199,C1200,C1201,C1203,C1204,C1205,C1206,C1210,C1216,C1218,C1219,C1224,C1227,C1228,C1229,C1230,C1231,C1233,C1235,C1239,C1240,C1241,C1256,C1263,C1264,C1266,C1267,C1271,C1274,C1276,C1280,C1288,C1295,C1296,C1297,C1298,C1308,C1310,C1437,C14	EPCOS	B37921K9103K060
CAP,CER,18pF,50V,5% COG,SMD,0402	2	C1456,C1479	MURATA	GRM36COG180J050AD
CAP,CER,10pF,50V,5% COG,SMD,0402	2	C519,C2004	YAGEO	CC0402JRNPO9BN100

CAP,CER,3.3nF,50V,5% X7R,SMD,0402	5	C976,C1024,C1031,C1045,C1138	AVX	06035C332JAT2A
CAP,CER,330pF,16V,5% X7R,SMD,0402	1	C2007	PHILIPS	2238 587 16507
CAP,CER,680pF,50V,5% X7R,SMD,0402	4	C521,C535,C1159,C1197	WALSIN	0402B681J160CT
CAP,CER,1nF,50V,5% X7R,SMD,0402	45	C202,C242,C247,C249,C253,C257,C274,C276,C614,C1028,C1033,C1044,C1063,C1080,C1082,C1094,C1106,C1111,C1119,C1129,C1133,C1137,C1143,C1144,C1153,C1156,C1157,C1158,C1163,C1165,C1176,C1225,C1439,C1450,C1451,C1458,C1466,C1468,C1473,C1484,C1496,C1497,C1498,C1499,C2003	VISHAY	VJ0402Y102JXJAP
CAP,CER,1nF,2KV,10% X7R,SMD,1812	3	C281,C282,C1501	SAMSUNG	CL43B102KJFNNNE
CAP,CER,4.7uF,16V,10% X5R,SMD,1206	11	C118,C147,C157,C543,C559,C1089,C1114,C1172,C1226,C1315,C1316	MURATA	GRM42-6X5R475K16PT
CAP,CER,10uF,16V,10% X7R,SMD,1210	2	C1422,C1436	SAMSUNG	CL32B106KOJNNNE
CAP,CER,2.2uF,16V,10% X7R,SMD,0603	13	C23,C24,C156,C158,C196,C945,C952,C1026,C1027,C1151,C1152,C1265,C1432	CAPAX	0603X225K160SnT

CAP,CER,100nF,16V,10% X7R,SMD,0402	577	C1,C2,C8,C10,C18,C20,C31,C32,C33, C34,C35,C37,C38,C39,C40,C43,C45,C 50,C51,C54,C56,C57,C60,C62,C63,C6 4,C65,C67,C69,C70,C71,C75,C76,C77, C78,C79,C82,C85,C86,C87,C88,C91,C 92,C93,C94,C95,C96,C97,C99,C100,C 101,C103,C104,C106,C108,C109,C112, C113,C116,C119,C120,C121,C128,C12 9,C130,C131,C132,C135,C140,C141,C 142,C146,C150,C154,C155,C161,C163, C165,C166,C167,C172,C174,C175,C17 6,C177,C179,C180,C182,C183,C185,C 188,C189,C190,C204,C211,C239,C243, C244,C245,C248,C250,C251,C254,C25 8,C261,C269,C270,C271,C272,C277,C 278,C504,C505,C509,C511,C513,C515, C517,C518,C522,C523,C524,C525,C52 6,C527,C528,C529,C530,C531,C532,C 540,C541,C544,C545,C546,C547,C548, C549,C550,C551,C552,C553,C554,C55 5,C556,C557,C558,C560,C561,C562,C 563,C564,C565,C566,C567,C568,C571, C574,C577,C578,C585,C586,C587,C58 8,C593,C594,C595,C597,C599,C600,C 601,C602,C615,C619,C620,C621,C622, C625,C626,C627,C629,C632,C633,C63 4,C635,C636,C637,C638,C639,C641,C 642,C643,C645,C646,C647,C648,C649, C650,C651,C653,C654,C655,C656,C65 7,C658,C660,C661,C662,C663,C665,C 666,C668,C669,C670,C671,C672,C673, C674,C675,C677,C678,C680,C681,C682	CAPAX	0402X104K160SnT
CAP,CER,10uF,25V,10% X7R,SMD,1210	5	C1449,C1452,C1462,C1471,C1480	CAPAX	1210X106K250SnT



CAP,CER,100nF,50V,10% X7R,SMD,0603	9	C235,C280,C1188,C1214,C1407,C1415 ,C1430,C1438,C1470	MURATA	GRM188R71H104KA93 D
CAP,CER,270pF,50V,5% C0G,SMD,0402	1	C506	CAL-CHIP	GMC04CG271J50NTLF
CAP,CER,100uF,6.3V,20% X5R,SMD,1210	19	C9,C28,C59,C125,C194,C604,C606,C6 08,C609,C707,C922,C925,C962,C1025, C1070,C1103,C1126,C1289,C2000	KEMET	C1210C107M9PAC
CAP,CER,1uF,100V,10% X7R,SMD,1210	6	C283,C284,C285,C286,C287,C288	SAMSUNG	CL32B105KCJNNNE
CAP,CER,4.7uF,10V,10% X7R,SMD,0805	13	C105,C1341,C1351,C1366,C1371,C137 4,C1394,C1401,C1404,C1421,C1423,C 1429,C1433	KEMET	C0805C475K8RACTU
CAP,CER,1uF,10V,10% X7R,SMD,0603	5	C90,C819,C878,C1269,C1278	WALSIN	0603B105K100CT
CAP,CER,2.2uF,6.3V,20% X5R,SMD,0402	28	C123,C124,C502,C503,C993,C994,C10 30,C1041,C1042,C1060,C1337,C1342, C1346,C1349,C1350,C1362,C1364,C13 80,C1382,C1391,C1395,C1396,C1399, C1402,C1410,C1411,C1425,C1428	CAL-CHIP	GMC04X5R225M6r3NTL F

CAP,CER,0.47uF,10V,10% X5R,SMD,0402	54	C1322,C1329,C1330,C1336,C1343,C1344,C1347,C1348,C1352,C1353,C1354,C1355,C1356,C1357,C1358,C1359,C1360,C1361,C1363,C1365,C1367,C1368,C1369,C1370,C1373,C1375,C1376,C1377,C1378,C1379,C1381,C1384,C1385,C1386,C1388,C1389,C1390,C1392,C1397,C1400,C1403,C1406,C1409,C1412,C1413,C1414,C1416,C1417,C1418,C1419,C1420,C1424,C1426,C1427	CAL-CHIP	GMC04X5R474K10NT-LF
CAP,CER,10uF,10V,10% X5R,SMD,0805	18	C115,C252,C268,C589,C590,C591,C596,C921,C1048,C1049,C1312,C1317,C1383,C1398,C1467,C1481,C1486,C1489	SAMSUNG	CL21A106KPFNNNE
CAP,CER,1uF,10V,10% X5R,SMD,0402	4	C201,C630,C1500,C2002	MURATA	GRM155R61A105KE15J
CAP,CER,1uF,6.3V,10% X5R,SMD,0402	32	C200,C684,C688,C692,C711,C758,C767,C771,C775,C776,C782,C783,C784,C785,C788,C789,C790,C791,C808,C836,C837,C894,C915,C930,C938,C944,C946,C956,C982,C989,C995,C1475	YAGEO	CC0402KRX5R5BB105
CAP,CER,4.7uF,6.3V,20% X5R,SMD,0603	4	C1318,C1319,C1326,C1345	TDK	C1608X5R0J475MT

CAP,CER,47uF,10V,20% X5R,SMD,1206	35	C3,C4,C5,C44,C48,C49,C102,C127,C149,C500,C501,C507,C542,C592,C598,C603,C611,C631,C652,C667,C708,C777,C795,C822,C868,C950,C951,C975,C1061,C1088,C1160,C1161,C1162,C1250,C2006	TAIYO-YU	LMK316BJ476ML
CAP,CER,22nF,16V,10% X7R,SMD,0402	2	C293,C2001	WALSIN	0402B223K160CT
CAP,CER,10uF,10V,10% X7R,SMD,0805	25	C22,C27,C73,C84,C164,C170,C171,C193,C195,C197,C623,C659,C709,C744,C780,C807,C839,C869,C892,C1102,C1123,C1148,C1237,C1321,C1487	CAPAX	0805X106K100SnT
CAP,CER,1uF,4V,20% X7S,SMD,0306	21	C19,C81,C83,C126,C139,C198,C685,C1071,C1073,C1076,C1090,C1092,C1107,C1122,C1146,C1147,C1150,C1183,C1245,C1248,C1314	MURATA	LLA185C70G105ME01L
CAP,CER,0.22uF,10V,10% X7R,SMD,0402	10	C1324,C1325,C1327,C1328,C1332,C1333,C1334,C1335,C1338,C1339	GAL-CHIP	GMC04X7R224K10NT-LF
CAP,CER,24pF,50V,5% C0G,SMD,0402	6	C89,C117,C1247,C1252,C1474,C1495	AVX	CM05CG240J50AH
CAP,CER,10uF,25V,10% X5R,SMD,1206	2	C213,C217	KEMET	C1206C106K3PACT
CAP,CER,820pF,50V,5% X7R,SMD,0402	1	C508	SAMSUNG	CL05B821JB5NNNC
CAP,CER,10uF,50V,10% X5R,SMD,1206	4	C2008,C2009,C2010,C2011	MURATA	GRM31CR61H106KA12L

CAP,ALUM,120uF,100V,20% TH,RADIAL,16x15mm,LESR	1	C1443	NICHICON	UPJ2A121MHH6
Schmitt Trigger Input Invertor NC7SZ14M5X	2	U22,U515	FAIRCHIL	NC7SZ14M5X
IC,DIG,DUAL D-TYPE F/F SMD,VHC74,TSSOP-14	1	U28	FAIRCHIL	74VHC74MTC_NL
CN RJ45/8 RA SHIELDED WITH BEA	1	J512	STEWART	SS-6488SA-PG4-BA
CONN,HEADER,16P,2X8 STR,2.54mm,SMD,5.84mm	2	J500,J501	SAMTEC	TSM-108-01-L-DV-P-TR
CONN,STRIP,1*8,M, ST,TH	1	J502	MOLEX	90120-0128
CONN,B-to-B,38-CNT,F, MICTOR,W/GND BUSS	1	J503	AMP	2-5767004-2
CONN,HEADER,3P,M,W/LOCK PCB,STR,2.54mm	1	J506	TYCO	5-103639-2
CON HEADER 2mm PITCH 5 pin 4mm BtoB TH	1	J509	WEITRONI	615-102-80-20-040-05- 50
CON HEADER 2mm PITCH 1 pin 4mm BtoB TH	4	MH503,MH504,MH506,MH507	WEITRONI	615-102-80-20-4.0-01-50
CONN,M,2x10,RA,SMD TRANSCEIVER INTERFACE	1	J508	AMPHENOL	UE75-A20-3000T
CONN,SFP CAGE Press Fit TRANSCEIVER INTERFACE	1	J510	SINOTECH	SFP-001-L
Conn MiniFit,2x3Pin Male,4.19mm,RA,TH	1	J513	SAMTEC	IPBT-103-H1-T-D-RA
CN PCI EXPRESS 98pin STR TH	2	J504,J505	TYCOELEC	3-1775801-4
CONN,RJ45,,F,8P8C,1P,RA SHLD,CAT5,TH	1	J511	BEL STEW	SS71800-018G
COMPARATOR,Single SMD,SC70-5	1	U501	MAXIM	MAX9031AXK+T

CAP,TANT,150uF,10V,10% SMD,SIZE D,LOW ESR,100m	16	C6,C7,C11,C14,C15,C16,C36,C110,C151,C187,C199,C616,C676,C686,C1136,C1320	HITACHI	TMCRE1A157MTR
CAP,TANT,22uF,16V,10% SMD,SIZE B	1	C1490	VISHAY	293D226X9016B2TE3
CAP,POLY,150uF,6.3V,20% SMD,SIZE C,LOW ESR,18m	10	C186,C210,C840,C893,C1052,C1292,C1313,C1331,C1434,C1435	SANYO	6TPE150MIC2
CAP,POLY,330uF,2.5V,20% SMD,SIZE C,LOW ESR,12m	5	C605,C612,C613,C1170,C1207	SANYO	2R5TPE330MCC2
CAP,1000uF,2.5V,20% SMD, Y,LOW ESR,8m	6	C13,C21,C68,C80,C114,C148	SANYO	2R5TPD1000M8
CAP,TANT,220uF,16V,10%, ESR=0.1 OHM,SMD,SIZE-E	1	C214	AVX	TPSE227K016R0100
DC/DC CONV,36-75Vin 5Vout,40A,TH	1	U40	PWR ONE	QME48T40050PGA0G-S2
DIODE,SCHOT,2.0A,40V, SMD,	1	D506	ON SEMIC	MBRS2040LT3G
DI SW 100V/150MA 1N4148 SOD123	1	D2	VISHAY	1N4148W-V-GS08
DIODE,SCHOTTKY 30V 1PS76SB10 (SOD323)	7	D500,D501,D502,D503,D504,D505,D600	VISHAY	BAT54WS-GS18
DIODE,SIDAC,75-98V,500A 92.5pF,DO-214AA(SMB)	3	SD1,SD2,SD3	LITTELFU	P0900SCLRP
TVS Diode Array 5pF 15V 24A,SO-8 SMD	1	U48	SEMTECH	SLVU2.8-4.TE
Diode,TVS, Zener,75V, 123A,Bi Directional,TH	1	D6	MDE	15KPA75CA
DIODE,ZENER,12V,500mW SMD,SOD-123	3	D1,D3,D507	ON SEMIC	MMSZ5242BT1G
DIODE,ZENER,0.5W,2.2V 5%,SMD,DO-214AA	1	D7	ON SEMIC	MMSZ4680T1G

DIODE,TVS,ARRAY,15V,30A ,600W,8pF,BI-D,SMD,SO8	1	D5	SEMTECH	SLVU2.8-8.TBT
VARISTOR,50VRMS,65VDC 82Vn,4500A,TH,DISC 10	2	VR500,VR501	EPCOS	B72210S0500K151G5
DIODE,ZENER,16V,500mW,5% SMD,SOD-123	1	D4	ON SEMIC	MMSZ5246BT1G
FB FERRITE 0603 600 Ohm 200mA	4	FL507,FL508,FL510,FL512	MURATA	BLM11A601SPTM00-03
FERRITE,BEAD,80 OHM,5A DCR 10mOHM,SMD,0805	4	FL500,FL501,FL502,FL503	STEWART	HI0805R800R-10
FERRITE,BEAD,120 OHM 2A,0.05OHM,SMD,0603	4	FL1,FL2,FL3,FL4	MURATA	BLM18PG121SH1D
FILTER,EMI,BEAD,1.5A, 11 OHM IMP,SMD,0805	1	FL506	TDK	HF50ACC201209-T
FERRIT,BEAD,700mA DCR 200mOHM,SMD,0603	5	FL9,FL504,FL509,FL511,U535	SAMWHA	CB1608GA121T
TIMER,RC,SINGLE,555 SMD,SOIC8,EXT TEMP	2	U526,U528	INTERSIL	ICM7555IBAZ-T
IND,120nH,2%,0.65 OHM 300mA,Q=32,SMD,0603	2	L3,L501	DELTA	0603CS-121EGTS
IND,1uH,20%,0.01 OHM 11A,22 Sat.,SMD,2525	1	L500	VISHAY	IHLP- 2525CZER1R0M01
IND,10uH,20%,0.019 OHM 6.7A,SMD	1	L502	GANGSONG	GSRH127-100M
IND,1uH,20%,0.0025 OHM 20A,SMD	1	L2	XFMRS	XFHCL4-1R0M
IND,2.4uH,20%,0.012 OHM 8A,SMD,SHLD	2	L8,L503	GANGSONG	GSRH127-2R4M
IND,0.47uH,20%,0.001 OHM 41A,SMD,12.9X13.2mm	2	L1,L5	VISHAY	IHLP-5050FD- ER0R47M01
IND,10uH,20%,0.2 OHM 1.2A,SMD,4x4	1	L504	COILCRAF	LPS4018-103MLC

IND,1uH,20%,0.078 OHM 1000mA, 1210	2	L6,L7	MURATA	LQH32CN1R0M53K
Multi Channel RS-232 IND DRV/REC,MAX3222,SSOP20	1	U46	MAXIM	MAX3222EAP+T
LOGIC 74LCX11 3IN AND SOIC 14PIN 4.4MM SMD	1	U27	NSC	74LCX11MTCX
BUFFER,QUAD,NON INVERT 3V,3-STATE,SMD,TSSOP14	3	U17,U23,U39	ON SEMIC	MC74LCX125DTR2G
BUFFER/LINE DRIVER,OCTAL LCX/LVC541,3S,TSSOP20	3	U6,U37,U517	ONSEMI	MC74LCX541DTR2
LATCH,OCTAL,TRANSPARENT 3.3V,3-S,LCX,TSSOP20	4	U11,U18,U509,U514	FAIRCHIL	74LCX373MTCX-NL
IG TINY BUFFER WITH 3-STATE	3	U5,U24,U507	NSC	NC7SZ125M5X_NL
IS,ANALOG SWITCH, SMD SOT-23	1	U511	PHILIPS	74LVC1G66GV
BUS SWITCH,SINGLE,2:1 MUX/DEMUX,SC-70_6P,IND	1	U30	TEXAS IN	74LVC1G3157DCKRG4
IG UHS 2-INPUT AND GATE OUT +-50mA	6	U9,U19,U20,U45,U508,U510	TEXAS	SN74LVC1G08DBVR
DC/DC Controller 3V-20V in, SMD SON	4	U502,U503,U516,U536	TEXAS IN	TPS40303DRCR
DC/DC Controller 2.95V-6V in, SMD QFN	2	U523,U524	TEXAS IN	TPS54318RTER
IG BUS TRANSCEIVER 4-BIT,DUAL-SUPPLY	2	U26,U506	TEXAS IN	SN74AVC4T245PWR
FLASH,1Gb,MirrorBit 120ns,3.3V,TSOP56,IND	1	U13	SPANSION	S29GL01GP11TFI013
MEM EEPROM 512K I2C SOIJ-8 SMD	1	U33	MICRCHIP	24LC512-I/SM
DDR3,8Mx16x8banks 1.5V,1.5ns,FBGA96.IND	8	U14,U15,U34,U35,U512,U513,U521,U522	MICRON	MT41J64M16LA-15E IT:B

DDR3,16Mx16x8banks 1.5V,1.5ns,FBGA96.IND	4	U1,U2,U3,U4	MICRON	MT41J128M16HA-15E IT:B
LED,GRN,RED,BI RED GRN ,3mm,RA,TH	1	D508	KINGBRIG	L-7104SA/ 1G1ID1EGW-RY
Optocoupler 5.3KV TRIOS SMD	1	U525	VISHAY	SFH6186-3T
CRYST.OSC,100MHZ,50PPM, CMOS,3.3V,W/EN,SMD,5X7	1	Y1	RALTRON	CO4605-100.00-T-TR
CRYST,25MHz,50PPM TOTAL 18pF,FUND,3.2x5,-40+85.	1	U532	JAUCH	Q25.0-JXS53-18-15/30- FU-T1-LF
CRYST.OSC,100MHZ,50PPM CMOS,2.5V,W/EN,SMD,5X7	1	Y500	JAUCH	O 100.0-JO75-B-2.5-1- T1-LF
XTAL SMT QURZ 25.000MHZ 25PPM	3	X1,X500,X501	SIWARD	XTL521250NLG25.000- 18.0TR
OSC,156.25MHz,2.5V,50PPM LVDS,SMD,5X7,IND	1	Y502	VECTRON	VCC6-VCD- 156M250000
CRYST.OSC.125MHZ,50PPM 2.5V,SMD,5X7 IND	1	Y2	JAUCH	O 125.0-JO75-B-2.5-1- T1-LF
PC NGP PICO HW Card 2nd layout	1		Unitech	PC1657-11
FPGA,Spartan-6,XC6SLX100 326 I/O, 23X23,IND	1	U38	XILINX	XC6SLX100T-3FGG484I
CLOCK BUFFER,200MHz,2.5V SMD,SOIC8,IND	1	U31	IDT	ICS553MILF
IC,CLOCK GEN,DUAL HCSSL SMD,TSSOP 16, -40 +85	2	U25,U519	ON SEMIC	NB3N5573DTR2G
IC,SUPRV CKT,W/DOG,PUSH PULL,RESE=2.93V,SOT23-8	1	U21	MAXIM	MAX6701SKA+T



IC,SUPRV CKT,DUAL VOLT SOT23-5, MAX6718UK	1	U16	MAXIM	MAX6717UKSDD3-T
RES,NET,ISO,43 OHM,5%,1/16W,8P,4X0603,Convex	6	RN500,RN501,RN502,RN503,RN504,RN505	YAGEO	YC164-JR-0743RL
RES,NET,BUSS,10K*8,5%,SMD,1206 Convex	3	RN3,RN509,RN515	BI TECH	BCN168R103J7
RES,NET,ISO,4.7K OHM,5%1/16W,8P,4X0603,Convex	9	RN1,RN2,RN506,RN507,RN508,RN511,RN512,RN513,RN514	DALE	CRA06E-0803-472JRT1
		R14,R15,R17,R18,R19,R20,R23,R24,R25,R27,R28,R29,R30,R35,R36,R42,R43,R59,R60,R69,R71,R79,R80,R81,R82,R127,R128,R138,R146,R154,R159,R160,R161,R164,R252,R253,R254,R255,R526,R527,R581,R582,R585,R586,R594,R595,R661,R667,R889,R893,R898,R907,R910,R913,R918,R921,R926,R928,R929,R933,R935,R939,R942,R951,R968,R1094,R1095,R1096,R1097,R1098,R1099,R1100,R1101	YAGEO	RC0402FRF0749R9L
RES,49.9 OHM,1/16W,1% SMD,0402	73			
RES,51.1K OHM,1/10W,1% SMD,0603	3	R1070,R1076,R1077	TADII	86910251121
RES,47K OHM,1/8W,1% SMD,0805	4	R215,R218,R264,R265	YAGEO	RC05 4702 FR
RES,1 OHM,1/10W,1% SMD,0603	4	R524,R534,R548,R794	YAGEO	RC03 1R00 FR
RES,10 OHM,1/10W,1%, SMD,0603	1	R1019	SAMSUNG	RC1608F10R0CS

RES,40.2 OHM,1/10W,1% SMD,0603	2	R544,R545	YAGEO	RC0603FR-0740R2L
RES,475 OHM,1/10W,1% SMD,0603	2	R63,R849	YAGEO	RC03 4750 FR
RES,511 OHM,1/10W,1% SMD,0603	1	R1206	YAGEO	RC0603FR-07511R
RES,22.1 OHM,1/10W,1% SMD,0603	1	R13	KOA	RK73H1JTDD-22R1F
RES,0 OHM,1/10W,5% SMD,0603	11	R16,R165,R191,R506,R591,R731,R779 ,R811,R817,R841,R1072	BOURNS	CR0603-J-000-E
RES,100 OHM,1/10W,1% SMD,0603	1	R296	PDC	FCR03FT-1000
RES,432K OHM,1/10W,1% SMD,0603	1	R546	WALSIN	WR06X4323FTL
RES,40.2K OHM,1/10W,1% SMD,0603	2	R940,R944	AVX	CR10-4022-FT
RES,200K OHM,1/10W,1% SMD,0603	1	R946	VISHAY	D11 100 200K 1% P5
RES,205K OHM,1/10W,1% SMD,0603	1	R1011	ROEDERS	D11 205KFCS
RES,20 OHM,1/10W,5% SMD,0603	2	R268,R1066	VISHAY	CRCW060320R0JNEA
RES,121K OHM,1/10W,1% SMD,0603	1	R1027	YAGEO	RC0603FR-07121K
RES,2M OHM,1/10W,1% SMD,0603	1	R1022	YAGEO	RC0603FR-072ML
RES,13.7K OHM,1/10W,1% SMD,0603	1	R1026	YAGEO	RC0603FR-0713K7L
RES,53.6K OHM,1/10W,1% SMD,0603	1	R502	VISHAY	D11/CRCW0603 100 53K6 1% ET1E3
RES,1M OHM,1/10W,5% SMD,0603	1	R1023	VISHAY	D11/CRCW0603 200 1M 5% ET1E3

		R22,R37,R39,R49,R58,R66,R107,R108 ,R115,R117,R120,R134,R135,R170,R2 32,R235,R236,R244,R256,R257,R284, R285,R297,R500,R507,R511,R521,R55 4,R576,R580,R590,R643,R674,R694,R 728,R746,R776,R781,R788,R789,R802, R812,R825,R850,R854,R863,R865,R86 9,R877,R882,R930,R931,R936,R947,R 956,R958,R966,R980,R984,R992,R100 2,R1029,R1050,R1051,R1057,R1060,R 1061,R1062,R1071,R1080,R1082,R108 7,R1091,R1109,R1200,R1201		
RES,0 OHM,1/16W,5% SMD,0402	76		VISHAY	CRCW04020000Z0EE
RES,100 OHM,1/16W,1% SMD,0402	2	R1010,R1014	YAGEO	RC0402FRF13100R
RES,200 OHM,1/16W,1% SMD,0402	9	R195,R699,R716,R757,R831,R844,R84 5,R855,R856	SAMSUNG	RC1005F2000AS

		R31, R44, R55, R64, R77, R83, R98, R119, R121, R122, R130, R132, R133, R137, R139, R143, R148, R151, R153, R155, R156, R157, R171, R184, R219, R250, R286, R402, R542, R555, R557, R559, R571, R572, R575, R579, R583, R584, R588, R589, R592, R593, R599, R600, R601, R602, R604, R606, R612, R617, R621, R624, R625, R629, R634, R640, R650, R656, R659, R665, R672, R673, R678, R687, R688, R693, R696, R705, R722, R724, R737, R745, R747, R753, R767, R774, R810, R823, R828, R858, R879, R883, R960, R964, R986, R1015, R1017, R1052, R1073, R1074		
RES,1K OHM,1/16W,1% SMD,0402	90		YAGEO	RC0402FR-071K
RES,1.5 K OHM,1/16W,1% SMD,0402	3	R517,R706,R851	YAGEO	RC0402FR-071K5L
RES,2K OHM,1/16W,1% SMD,0402	8	R172,R251,R539,R955,R1000,R1009,R1024,R1084	SMEC	RC73A2Z2K00FT
RES,6.81K OHM,1/16W,1% SMD,0402	1	R520	VISHAY	D10 CRCW0402 1006811 1% P0

RES,10K OHM,1/16W,1% SMD,0402	42	R74,R114,R125,R224,R298,R299,R504 ,R505,R510,R518,R519,R529,R536,R537,R540,R597,R633,R681,R715,R725, R735,R787,R793,R799,R836,R839,R842,R860,R861,R878,R880,R890,R897,R901,R908,R909,R916,R917,R920,R1030,R1118,R1203	YAGEO	RC0402FR-0710KL
RES,16.2K OHM,1/16W,1% SMD,0402	1	R1021	KOA	RK73H1ETP1622F
RES,20K OHM,1/16W,1% SMD,0402	3	R300,R932,R1006	VISHAY	CRCW040220K0FKEE
RES,27K OHM,1/16W,1% SMD,0402	1	R512	SAMSUNG	RC1005F2742CS
RES,100K OHM,1/16W,1% SMD,0402	9	R56,R937,R945,R953,R954,R982,R987 ,R1004,R1025	KOA	RK73H1ETP1003F

RES,4.75K OHM,1/16W,1% SMD,0402	120	R5,R46,R57,R67,R75,R76,R99,R100,R109,R118,R176,R177,R182,R183,R242,R243,R245,R246,R247,R248,R262,R275,R276,R287,R288,R291,R301,R302,R303,R509,R538,R541,R543,R562,R565,R566,R577,R596,R598,R609,R610,R611,R614,R623,R630,R631,R638,R641,R642,R644,R646,R655,R658,R663,R666,R668,R670,R675,R677,R682,R684,R685,R691,R697,R717,R718,R721,R727,R730,R733,R738,R739,R742,R743,R754,R764,R769,R772,R773,R777,R783,R784,R785,R786,R806,R807,R824,R835,R871,R881,R887,R895,R906,R923,R948,R962,R963,R971,R973,R975,R981,R990,R999,R1031,R1034,R1035,R1039,R1040,R1041,R1048,R1049,R1055,R1063,R1064,R1092,R1102,R1104,R1107,R1108,R1117	VISHAY	CRCW04024K75FKED
RES,2.43K OHM,1/16W,1% SMD,0402	2	R547,R941	YAGEO	RC0402FRF132K43
RES,3.32K OHM,1/16W,1% SMD,0402	1	R1205	VISHAY	CRCW04023K32FKEE

RES,0 OHM,1/8W,5% SMD,0805	2	R47,R68	KOA	RK73Z2ATD
RES,2.74K OHM,1/16W,1% SMD,0402	1	R1204	VIKING	CR02FTE2741
RES,2.21K OHM,1/16W,1% SMD,0402	4	R714,R734,R736,R770	BOURNS	CR0402-FX-2211GLF
RES,4.02K OHM,1/16W,1% SMD,0402	1	R400	VISHAY	D10/CRCW0402 100 4K02 1% ET7e3
RES,10 OHM,1/16W,1% SMD,0402	16	R33,R126,R233,R234,R740,R744,R750, R755,R760,R763,R765,R766,R768,R8 37,R859,R862	VIKING	CR-02FL6---10R
RES,22.1 OHM,1/16W,1% SMD,0402	28	R6,R7,R8,R9,R38,R116,R167,R168,R1 73,R174,R175,R179,R180,R181,R230, R822,R874,R950,R970,R972,R974,R97 6,R988,R995,R997,R1005,R1013,R101 6	VIKING	CR-02FL6--22R1
RES,33.2 OHM,1/16W,1% SMD,0402	43	R32,R40,R41,R48,R61,R62,R70,R72,R 84,R86,R111,R113,R186,R222,R231,R 241,R636,R676,R686,R690,R702,R713, R719,R720,R723,R729,R759,R761,R76 2,R808,R809,R819,R820,R832,R847,R 848,R864,R873,R1044,R1045,R1046,R 1047,R1068	VISHAY	D10/CRCW0402 100 33R2 1% ET7e3
RES,619 OHM,1/16W,1% SMD,0402	2	R169,R1110	YAGEO	RC0402FRF07619R
RES,332 OHM,1/16W,1% SMD,0402	6	R567,R570,R573,R574,R798,R1018	YAGEO	RC0402FR-07332RL

RES,432 OHM,1/16W,1% SMD,0402	4	R277,R279,R281,R282	CAL-CHIP	RM04F4320CT
RES,15K OHM,1/16W,1% SMD,0402	2	R523,R843	YAGEO	RC0402FRF0715KL
RES,36.5K OHM,1/16W,1% SMD,0402	1	R194	YAGEO	RC0402FR-0736K5L
RES,1 OHM,1/8W,1% SMD,0805	3	R749,R782,R796	RCD	MC 0805 R100-FT
RES,215 OHM,1/10W,1% SMD,0603	4	R220,R278,R280,R501	CAL-CHIP	RM06F2150CTLF
RES,499 OHM,1/10W,1% SMD,0603	1	R1007	DRALORIC	D11-100-499R-1%-PN
RES,1 OHM,1/4W,1% SMD,1206	2	R775,R813	VISHAY	CR1206-100-1R0-F-P5
RES,2 OHM,1/10W,1% SMD,0603	4	R3,R403,R530,R846	YAGEO	RC0603FR-072RL
RES,100K OHM,1/8W,1% SMD,0805	2	R1207,R1208	SAMSUNG	RC2012F1003CS
RES,402K OHM,1/10W,1% SMD,0603	2	R221,R1020	VISHAY	D11-402K-1% 200PPM T/R
RES,4.99K OHM,1/10W,1% SMD,0603	1	R1012	KOA	RK73H1JTD-4991F
RES,5.11 OHM,1/16W,1% SMD,0402,200PPM	7	R608,R613,R652,R654,R803,R815,R821	VISHAY	CRCW04025R11FNED
RES,60.4K OHM,1/10W,1% SMD,0603	2	R938,R1202	KOA	RK73H1JTDD6042F
RES,1m OHM,1/2W,1% SMD,2010	9	R34,R73,R91,R223,R662,R741,R805,R816,R829	KOA	TLR2HDTE1L00F75
RES,75 OHM,1/4W,1% SMD,1206	6	R266,R267,R1113,R1114,R1115,R1116	BOURNS	CR1206-FX-75R0ELF
RES,316K OHM,1/10W,1% SMD,0603	2	R927,R934	BOURNS	CR0603FX3163ELF
RES,25.5K OHM,1/16W,1% SMD,0402	2	R508,R833	YAGEO	RC0402FR-0725K5L



RES,4.99K OHM,1/16W,1% SMD,0402	2	R196,R1093	WALSIN	WR04X4991FTL
RES,10K OHM,1/10W,5% SMD,0402	1	R1003	PANASON	ERJ-2GEJ103X
RES,100 OHM,1/16W,0.1% SMD,0402,25ppm	23	R1,R2,R51,R52,R123,R124,R158,R163,R166,R237,R238,R532,R533,R535,R792,R795,R814,R1053,R1054,R1058,R1069,R1083,R1088	WALSIN	WF04H1000BTL
RES,240 OHM,1/16W,1% SMD,0402	12	R26,R145,R147,R513,R514,R515,R516,R578,R587,R605,R922,R952	YAGEO	RC0402FR-07240RL
RES,36.5 OHM,1/16W,1% SMD,0402	4	R800,R801,R866,R875	CAL-CHIP	RM04F36R5CTLF
RES,180 OHM,1/10W,1% SMD,0603	1	R797	TADII	86910218110
RES,32.4K OHM,1/10W,1% SMD,0603	1	R943	KOA	RK73H1JTDD-3242F
SWITCH,TACT,SPST,OFF-MOM N.O,RA,SMD	1	SW500	ITT INDU	KT11P4SA1M34LFS
PHY,10BASE-T/100BASE-TX QFN-64	1	U531	MARVELL	88E3018-A2-NNC1I000
IC,LEVEL TRANSLAT I2C BUS REPEATR,TSSOP-8,IND	1	U520	TEXAS IN	PCA9517DGKR
PHY,SINGLE,10/100/1000 SGMII,QFN-64, IND	1	U533	MARVELL	88E1112-C2-NNC1I000
IC,11-to-14 Bit Temp Sensor SMD,MK06A	1	U8	NATIONAL	LM73CIMK-0 NOPB
TRSTOR,FET,N-CH,30V,2.2A,82mOHM,SMD,SOT-23	3	Q12,Q14,Q500	FAIRCHIL	FDN337N_NL
Transistor SMBT2222A NPN SMD SOT23	2	Q9,Q16	SIEMENS	Q68000A6473
TRSTOR,MOSFET,N-CH,150V,43A,42mOHM,D-2PAK	1	Q10	INT. REC	IRF3415S

TRSTOR,MOSFET,N-CH, 200V,13A,0.235OHM,DPAK	1	Q11	IR	IRFR13N20DPBF
TRSTOR,PNP,2N2907A, SW,60V,SOT23,Onsemi	1	Q19	ONSEMI	MMBT2907ALT1
TN,MOSFET,N-CH,150V,85A 0.019 Ohm,D2PAK	1	Q509	VISHAY	SUM85N15-19 E3
FET,N-CHAN,25V,0.22A,5R LOGIC LEVEL,SMD,SOT-23	6	Q13,Q15,Q504,Q505,Q506,Q508	FAIRCHIL	FDV301N
FET,N-CHAN,25V,100A 2.1mOHM,NexFET,SMD,SON-8	6	Q1,Q2,Q3,Q4,Q6,Q7	TEXAS IN	CSD16325Q5C
FET,N-CHAN,25V,59A 9.6mOHM,NexFET,SMD,SON-8	5	Q501,Q502,Q507,Q600,Q601	TEXAS IN	CSD16410Q5A
TRANSFORMER,10/100 BASE- TX,SMD,EXTEND	1	TR2	XFRMRS	XFATM9B1
Transformer Pico Common mode	1	TR500	XFMRS	TR-1061
Transformer Pico Common mode	REF			
TRNSF,1000BASE-T,TRVR 1:1- T/R,SMD,24Pin,IND	1	TR1	PULSE	HX5004NL
PROCESSOR,Six-Core,1GHz 1V,BGA783	1	U29	FREESCAL	MSC8156TVT1000B
PROCESSOR,P3041 QorIQ 1200MHz CORE,BGA1295	1	U10	FREESCAL	P3041NXE1MZA
Regulator Adjustable LDO 1.22- 20Vo,100mA SOT23	1	U41	LINEAR	LT1761ES5-BYP
REGULATOR,VOLTAGE,2.5V, 1%,SMD,SOT-23	1	U500	ST	TS4040DILT-2.5 T/R
Boost Converter With 22V FET Switch SMD SOT23-5	1	U529	NATIONAL	LM2731YMF NOPB
			NATIONAL	LM2731XMF NOPB

LDO,Prog SoftStart ADJ 1%,3A,QFN,SMD	2	U36,U534	TEXAS IN	TPS74401RGWR
LDO CONTROLLER ADJ 10A 1- 5.5V MSOP-10	1	U527	MICREL	MIC5191YMM TR
Buck controller with external reference SON	1	U504	TEXAS IN	TPS40042DRCRG4
DOCA SUBA NGP PICO HW+ POE	REF			
DOCA PCBA NGP PICO HW Card - 2nd layout	REF			
Compact Boot Rel - 1.5	REF			
Compact Burning 1.0.0.320801	REF			
SC PH M3X8 A A2 W/WS SPRING & FLAT & SS	4		WEAL-LAM	SC-1195
SC PH M3X8 A A2 W/WS SPRING & FLAT & SS,DOC	REF			
SC PH M3X25 A A2 W/WS SPRING & FLAT & SS	12		MAHAM	SC-1257
SC PH M3X25 A W/WS SPRING&FLAT&SS,DOC	REF			
SUBA NGP PICO COVER	1			
PCBA NGP PICO RF Card - FC	1			
PCBA DOCA NGP PICO RF Card - FC	REF			
DOCA PCBA NGP PICO RF Card - FC	REF			
PCBA NGP PICO RF Card Elec. Drw. - FC	REF			
Insertion Files - FC PCB NGP Pico RF	REF			
CAP,CER,1uF,50V,20-80% Y5V, SMD,0805	1	C299	SAMWHA	CS2012Y5V105Z500NR
CAP,CER,4.7nF,50V,10% X7R,SMD,0402	1	C905	SAMSUNG	CL05B472KBNC

CAP,CER,15pF,50V,1% C0G,SMD,0603,RF	8	C77,C90,C277,C287,C405,C421,C560, C569	AVX	O6035U150FATME
CAP,CER,1nF,50V,5% X7R,SMD,0603	4	C81,C280,C407,C563	KEMET	C0603C102J5RACTU
CAP,CER,10nF,50V,10% X7R,SMD,0603	4	C94,C292,C426,C574	VITRAMON	VJ0603Y103JXAAP
CAP,CER,100nF,50V,10% X7R,SMD,0805	8	C95,C131,C293,C322,C427,C449,C575 ,C622	KEMET	C0805C104K5RACTU
CAP,CER,1uF,50V,10% X7R,SMD,1812	4	C96,C294,C408,C576	SYFER	1812J0500105KXT *NTB
CAP,CER,1uF,25V,10% X7R,SMD,1206	1	C896	SYFER	1206J025-0105KXT
CAP,CER,4.7uF,10V,20-80% Y5V,SMD,0805	1	C849	AVX	0805ZG475ZAT1A
CAP,CER,1uF,10V,10% X7R,SMD,0805	1	C898	HITANO	0805B105K160N3
CAP,CER,2.7pF,50V,0.1pF C0G,SMD,0603	8	C100,C106,C303,C312,C432,C434,C58 2,C592	SAMSUNG	CL10C2R7BB8NNNC
CAP,CER,100nF,16V,10% X7R,SMD,0603	4	C11,C199,C346,C476	KEMET	C0603C104K4RACTU
CAP,CER,10nF,50V,5% X7R,SMD,0603	2	C840,C852	NIC COMP	NMC0603X7R103J50TR PF
CAP,CER,10nF,16V,10% X7R,SMD,0402	21	C152,C161,C175,C283,C456,C465,C62 4,C804,C814,C818,C819,C822,C823,C 830,C831,C841,C854,C862,C867,C880, C999	EPCOS	B37921K9103K060
CAP,3.3pF,50V,0.25pF C0G,SMD,0402	12	C37,C70,C98,C232,C271,C296,C373,C 375,C410,C515,C555,C578	AVX	CM05CG3R3C50AN
CAP,THIN-FILM,0.2pF,25V 0.05pF,SMD,0402,RF	4	R10,R190,R281,R387	AVX	0402350R2ABWTR
CAP,THIN-FILM,0.3pF,25V 0.05pF,SMD,0402,RF	12	C29,C222,C364,C503,C659,C661,C686 ,C688,C716,C718,C745,C747	AVX	0402350R3ABWTR

CAP,CER,0.3pF,50V,0.03pF HQ,SMD,0603,RF	8	C5,C20,C201,C228,C329,C336,C478,C509	SUMITOMO	MC1608N0R30R03M50
CAP,CER,470pF,50V,5% X7R,SMD,0402	2	C108,C436	SAMSUNG	CL05B471FBNC
CAP,CER,1nF,50V,5% X7R,SMD,0402	6	C93,C291,C425,C573,C842,C855	VISHAY	VJ0402Y102JXJAP
CAP,CER,150pF,50V,1% C0G,SMD,0402	1	R818	VITRAMON	VJ0402A151FXAAP
CAP,CER,0.5pF,50V,0.1pF C0G,SMD,0402,RF	4	C24,C217,C359,C498	JOHANSON	500R07NR50BV4T
CAP,CER,2.7pF,50V,0.1pF C0G,SMD,0402,RF	8	C28,C221,C363,C502,C660,C687,C717,C746	KEMET	C0402C279B5GAC
CAP,CER,1.8pF,50V,0.1pF C0G,SMD,0402	4	C57,C248,C396,C531	SAMSUNG	CL05C1R8BB5NNNC
CAP,CER,120pF,50V,1% C0G,SMD,0402	4	C130,C168,C621,C640	SAMSUNG	CL05C121FBNC
CAP,CER,5.6pF,50V,0.1pF C0G,SMD,0402,RF	2	C123,C602	CAL-CHIP	GMC04CG5R6B50NTLF
CAP,CER,10pF,50V,1% C0G,SMD,0402,RF	44	C26,C68,C83,C97,C117,C118,C136,C139,C158,C186,C187,C192,C200,C211,C212,C219,C269,C282,C295,C361,C388,C409,C412,C461,C462,C471,C477,C491,C492,C500,C553,C565,C577,C598,C599,C614,C617,C638,C645,C672,C693,C695,C697,C731	VITRAMON	VJ0402A100FXAAC

CAP,CER,100pF,50V,1% C0G,SMD,0402	30	C9,C55,C58,C59,C60,C73,C92,C153,C197,C246,C249,C250,C251,C263,C290,C344,C394,C397,C398,C399,C414,C424,C474,C529,C532,C533,C534,C547,C572,C625	HITANO	0402N101F500NU
CAP,CER,2.2pF,50V,0.1pF C0G,SMD,0402	8	C27,C220,C362,C501,C653,C680,C710,C738	CAL-CHIP	GMC04CG2R2B50NTLF
CAP,CER,4.7uF,16V,10% X5R,SMD,1206	3	C810,C837,C838	MURATA	GRM42-6X5R475K16PT
CAP,CER,1.8pF,50V,0.1pF C0G,SMD,0603,RF,LOW ESR	4	C12,C213,C335,C493	AVX	06035U1R8BAT2A
CAP,CER,330pF,50V,1% C0G,SMD,0603	4	C72,C262,C413,C546	HITANO	0603N331F500NT
CAP,CER,150pF,50V,1% C0G,SMD,0402	4	C650,C678,C707,C733	MURATA	GRM36COG151F050AD
CAP,CER,1pF,50V,0.1pF C0G,SMD,0402,RF	8	C44,C239,C382,C522,C654,C684,C711,C740	MURATA	GRM36COG010B050AD
CAP,CER,1pF,100V,0.1pF HQ,SMD,0603,RF	4	C13,C214,C338,C494	MURATA	GQM1885C2A1R0BB01D
CAP,CER,2.7pF,100V,0.1pF HQ,SMD,0603,RF	4	C91,C289,C423,C571	MURATA	GQM1885C2A2R7BB01D
CAP,THIN-FILM,0.4pF,25V 0.05pF,SMD,0402,RF	4	C61,C252,C400,C535	AVX	0402350R4ABWTR
CAP,THIN-FILM,1.2pF,25V 0.1pF,SMD,0402,RF	4	C39,C234,C377,C517	AVX	04023J1R2BBSTR
CAP,CER,220nF,16V,10% X7R,SMD,0603	1	C906	YAGEO	CC0603KRX7R7BB224
CAP,CER,1nF,50V,10% LOW DISTO,SMD,0603,RF	1	C924	TAIYO-YU	UMK107SD102KA-T

CAP,CER,2.2uF,16V,10% X7R,SMD,0603	36	C116,C122,C150,C159,C160,C162,C163,C164,C171,C173,C174,C178,C180,C182,C188,C204,C205,C216,C438,C448,C452,C453,C454,C455,C457,C458,C463,C464,C468,C469,C472,C473,C481,C513,C514,C545	CAPAX	0603X225K160SnT
CAP,CER,100pF,50V,1% COG,SMD,0603	6	C145,C157,C630,C637,C923,C938	SAMSUNG	CL10C101FB8NNNC
CAP,THIN-FILM,1pF,50V 0.03pF,SMD,0603,RF	8	C6,C21,C202,C229,C330,C337,C479,C510	AVX	06035J1R0QBSTR
CAP,CER,100nF,16V,10% X7R,SMD,0402	55	C15,C74,C133,C144,C147,C166,C179,C181,C185,C190,C206,C264,C334,C349,C415,C460,C483,C484,C485,C486,C548,C611,C629,C632,C633,C643,C644,C694,C699,C700,C702,C729,C730,C813,C850,C881,C882,C883,C884,C885,C886,C887,C888,C889,C893,C904,C907,C915,C917,C922,C925,C931,C934,C939,C940	CAPAX	0402X104K160SnT
CAP,CER,220pF,50V,5% COG,SMD,0402	1	C899	HITANO	0402N221J500NU
CAP,CER,100nF,50V,10% X7R,SMD,0603	3	C803,C868,C902	MURATA	GRM188R71H104KA93D
CAP,CER,2.4pF,200V, COG,SMD,0603,+/-0.1pF	4	C80,C279,C387,C562	ATC	ATC600S2R4BT250T

CAP,CER,3.9pF,50V +/- 0.1pF,COG,SMD,0402	60	C19,C22,C42,C84,C104,C105,C115,C119,C124,C125,C126,C127,C135,C137,C138,C140,C141,C142,C151,C167,C172,C210,C230,C237,C274,C284,C300,C315,C347,C353,C380,C430,C437,C439,C442,C490,C511,C520,C557,C566,C579,C595,C597,C603,C604,C605,C606,C607,C613,C615,C616,C618,C623,C626,C627,C639,C651,C673,C708,C734	SAMSUNG	CL05C3R9BB5ANNC
CAP,CER,4.7uF,10V,10% X7R,SMD,0805	2	C926,C941	KEMET	C0805C475K8RACTU
CAP,CER,1uF,10V,10% X7R,SMD,0603	15	C4,C177,C191,C193,C333,C467,C470,C496,C696,C698,C703,C806,C861,C863,C866	WALSIN	0603B105K100CT
CAP,CER,100uF,6.3V,20% X5R,SMD,1206	1	C897	JOHANSON	6R3R18X107MV4T
CAP,CER,10uF,10V,10% X5R,SMD,0805	2	C879,C901	SAMSUNG	CL21A106KPFNNNE
CAP,CER,47uF,10V,20% X5R,SMD,1206	4	C918,C930,C933,C935	TAIYO-YU	LMK316BJ476ML
CAP,CER,10uF,10V,10% X7R,SMD,0805	4	C319,C320,C341,C342	CAPAX	0805X106K100SnT
CAP,CER,10uF,25V,10% X5R,SMD,1206	8	C839,C851,C853,C859,C860,C864,C875,C878	KEMET	C1206C106K3PACT
CAP,CER,10uF,50V,10% X5R,SMD,1206	4	C942,C943,C944,C945	MURATA	GRM31CR61H106KA12L
Cap Electrolytic 100uF 35V 20% 8X10 SMD	8	C113,C114,C314,C318,C440,C441,C596,C600	KJ	35KZ101MVC8X10.5EC



CAP,ALUM,330uF,10V,20% SMD,8X10.5mm,LESR,105C	10	C297,C323,C877,C890,C891,C895,C920,C921,C927,C928	SUNCON	10HVA330MT
CAP,POLY,330uF,16V,20% SMD,10x12.6mm,LESR,105C	2	C900,C919	SANYO	16SVP330M
CAP,POLY,ALUM,330uF,20V SMD,10X13mm,LESR,T.H.	6	C929,C932,C936,C937,C946,C947	NICHICON	PLV1D331MDL1
Schmitt Trigger Input Invertor NC7SZ14M5X	1	U825	FAIRCHIL	NC7SZ14M5X
Quad Analog Switcing TSSOP14	2	U14,U28	FAIRCHIL	MM74HC4066MTCX
IC,DIG,HEX SCHMITT INV, SMD,VHCT14,TSSOP-14	4	U11,U20,U39,U40	FAIRCHIL	74VHCT14AMTCX_NL
CN RJ45/8 RA SHIELDED WITH BEA	2	J801,J803	STEWART	SS-6488SA-PG4-BA
CONN,MCX, JACK,ST, SMD,ROUND CORNER	12	J1,J3,J4,J5,J7,J8,J10,J11,J12,J13,J14, J16	M/A-COM	5899-5004-54
CONN, MINI USB TYPE B, 5 PIN, FEMALE, SMT	1	J802	HONDA	QZF-MB5LFYG7A2DH
CN PCI EXPRESS 98pin STR TH	2	J800,J804	TYCOELEC	3-1775801-4
CAP,TANT,10uF,10V,10% SMD,SIZE-A	1	C916	NIC COMP	NTC-T106K10TRAF
CAP,TANT,4.7uF,16V,10% SMD,SIZE A	1	C273	VISHAY	293D475X9016A2TE3
CAP,TANT,220uF,16V,10%, ESR=0.1 OHM,SMD,SIZE-E	17	C1,C2,C3,C8,C183,C184,C195,C196,C 324,C325,C326,C343,C459,C587,C594, C601,C872	AVX	TPSE227K016R0100
CT 100U 10V 20% SIZE D	6	C298,C316,C317,C327,C328,C340	AVX	TPSD107M010R0065
IC,ADC,4CH,8-BT,1 MSPS 2.7- 5.5V,SMD,MINI SOIC	1	U41	NATIONAL	ADC084S101C1MM NOPB

IC,DAC,4CH,8-BT,RL-to-RL 2.7-5.5V,SMD,MINI SOIC	1	U44	NATIONAL	DAC084S085CIMMX NOPB
DIODE,SCHOT,2.0A,40V, SMD,	1	D800	ON SEMIC	MBRS2040LT3G
DIODE,SCHOTTKY,40V,1A SMD,SMB (DO-214/215AA)	1	D801	CENTRAL	CMSH1-40 T/R LEAD FREE
DIODE,SCHOTTKY 30V 1PS76SB10 (SOD323)	1	D803	VISHAY	BAT54WS-GS18
DIODE SW 200MA 75V 4NS SOD-323	1	D804	ON SEMIC	BAS16HT1
DIODE,TVS ARRAY,2-LINE, 2000W,100A,SMD,SO-8	6	U811,U816,U818,U823,U824,U827	SEMTECH	LC03-6.TB
DIODE,TVS,ZNR,UNI-DIR, 12.8V,1500W,SMC	1	D802	MOTOROLA	1.5SMC15AT3
DIODE,SIDAC,25-40V,500A 35pF,DO-214AA(SMB)	3	SD800,SD801,SD802	TECCOR	P0300SC MC
FERRITE,BEAD,100 OHM,10A DCR 4mOHM,SMD,3312	3	FL811,FL819,FL820	STEWART	HI3312X101R-10
FB FERRITE 0603 120 Ohm 500mA	15	FL41,FL805,FL806,FL807,FL808,FL809, FL810,FL812,FL813,FL815,FL816,FL817, FL818,U42,U43	MURATA	BLM18BB121SN1
Filter Ferrite BEAD 1.5A SMD 0805	3	FL801,FL803,FL804	SAMWHA	CB2012PA601T
CHOKE,COMMON MODE 1400UH	1	FL814	ECIT	40F356-F560-007-A
COMMON MODE CHOKE FOR EPS SPECIFICATION	REF			
Filter Ferrite BEAD 0.5A SMD 0805	18	FL6,FL7,FL8,FL9,FL10,FL11,FL12,FL13, FL14,FL25,FL26,FL27,FL28,FL29,FL30, FL31,FL33,FL34	SAWHA	CB2012PA601T

FL,HPF,3300-3800M,I.Loss 0.5dB,1710-1910M,SMD	4	FL39,FL40,FL42,FL43	ACX	HF2012-A3R6DAA
FILTER,LPF,3800MHz IL=0.36dB,BW=500MHz,SMD	4	FL1,FL15,FL20,FL32	TDK	DEA163800LT-5017C1
FILTER,BPF,3.3-3.8GHz ,SMD	8	FL2,FL4,FL16,FL18,FL22,FL23,FL35,F L37	MURATA	LFB213G55BA1C180
FLTER,BPF,3550MHZ, BW 600,- 40+85,SMD	8	FL3,FL5,FL17,FL19,FL21,FL24,FL36,F L38	TDK	S0486C-3550-600
IC 150mA LOW DROPOUT REG 3.3V,SOT23	1	U801	NSC	LP2985IM5-3.3
IC RS485/422 TRANS F/DPLX 12M	1	U826	ANALOG D	ADM3491ARZ-REEL
TIMER,RC,SINGLE,555 SMD,SOIC8,EXT TEMP	1	U829	INTERSIL	ICM7555IBAZ-T
Diff. Driver High Speed ,LVDS,3V,CMOS,SMD,SOT23	1	U804	NSC	DS90LV012ATMF NOPB
IND,15uH,20%,0.030 OHM 3.30A,SMD,SHLD	1	L802	DELTA	SIQ125-150M
IND,12nH,2%,0.13 OHM 600mA,Q=35,SMD,0603	8	L1,L2,L4,L5,L7,L8,L10,L11	MURATA	LQW18AN12NG00D
IND,150uH,10%,0.64 OHM 580mA,SMD	1	L803	DELTA	SI85-151PF
IND,2.2nH,0.2n,0.4 OHM 250mA,Q=17,SMD,0603	4	L13,L14,L15,L16	TDK	NLU1608T-2N2C T/R *NTB
IND,1uH,20%,0.01 OHM 11A,22 Sat.,SMD,2525	1	L804	VISHAY	IHLP- 2525CZER1R0M01
IND,22uH,30%,73 mOHM 2.5A,SMD	1	L800	SUMID	CDRH104RNP-220-T/R
IND,18nH,2%,0.06 OHM 1.4A,Q=75,SMD,0805	4	L3,L6,L9,L12	COILCRAF	0805HQ-18NXGLC
IND,10uH,20%,0.2 OHM 1.2A,SMD,4x4	1	L801	COILCRAF	LPS4018-103MLC

IND,3.3uH,20%,6.8mOHM 18A,SMD,12.9X13.2mm	1	L805	VISHAY	IHLP5050FDER3R3M01
BUFFER,QUAD,NON INVERT 3V,3- STATE,SMD,TSSOP14	1	U807	ON SEMIC	MC74LCX125DTR2G
IG TINY BUFFER WITH 3-STATE	2	U809,U810	NSC	NC7SZ125M5X_NL
IG 8-BIT SHIFT REGISTER TSSOP16	1	U808	FAIRCHIL	74VHC595MTCX_NL
IG UHS 2-INPUT AND GATE OUT +- 50mA	1	U806	TEXAS	SN74LVC1G08DBVR
DC/DC Controller 2.95V-6V in, SMD QFN	1	U820	TEXAS IN	TPS54318RTER
High Current Load Switch 3- 20V,SMD,QFN	1	U821	TEXAS IN	TPS2590RSAR
IC,8 BIT PARALLEL LOAD SHIFT REGISTER,TSSOP-16	2	U812,U813	TI	SN74HC165PWR
IC SMT 3077/P RS485/422 XCVR CONTROLLER BOOST (STEP-UP) 16 MSOP	3 2	U814,U817,U822 U828,U830	MAXIM LINEAR T	MAX3077EESA + LTC3786EMSE#TRPBF
MEM EEPROM 64K 1.8V SPI TSSOP-8 SMD	1	U815	ATMEL	AT25640A-10TU-1.8
IC,OP AMP,QUAD,44V, 4.5M,SMD,SO14,MC33074	2	U10,U38	MOTOROLA	MC33074DR2
IC, OP-AMP, Single Rail To Rail,SMD,SC70-5	2	U8,U36	MAXIM	LMX321AXK+T
AMP,CURRENT SENSE,SINGLE 50V/V,BW=1.7MHz,SOIC8	4	U5,U19,U26,U35	MAXIM	MAX4376FASA+T
OCXO,20MHz,5V,-40 +85 ,12.71X20.32mm T.H.	1	Y803	CTS	1380017
PC NGP PICO RF Card FreeScale - Rog	1		ELTEK	PC1658-16

CLOCK BUFFER,140MHz,3.3V PCI-X,SMD,TSSOP8,IND	1	U800	CYPRESS	CY2304NZZXI-1
Coupler,Dir,3450MHz ,0603,SMD	4	U2,U16,U23,U30	AVX	CP0603A3450FLTR
RF PHEMT Switch 0.1-6GHz SMD,QFN-12	4	U6,U7,U33,U34	SKYWORKS	AS218-321LF-T/R
SWITCH,RF,SPDT 10W GaAs,SMD,QFN12	4	U4,U17,U25,U31	RFIND	FMS2031-001
RF,PWR DETECT,50M-6GHz 2.7-5.5V,SC-70	2	U9,U37	ANALOG D	ADL5501AKSZ-R7
RF AMP 3.3GHz-3.6GHz, 28dBm out, LINEAR POWER	4	U3,U15,U24,U29	RFMICRO	RF5633
RF Transceiver 2TX/2RX 150MHz-6000MHz,BGA144	2	U12,U27	ANALOG D	AD9361XBCZ
RES,NET,ISO,0 OHM,5% 1/16W,8P,4X0603,Convex	2	RN2,RN4	CYNTEC	RS100R0J1
RES,49.9 OHM,1/16W,1% SMD,0402	12	R24,R104,R119,R140,R156,R209,R296,R408,R454,R455,R488,R505	YAGEO	RC0402FRF0749R9L
RES,10 OHM,1/10W,1%, SMD,0603	5	R9,R186,R283,R382,R861	SAMSUNG	RC1608F10R0CS
RES,511 OHM,1/10W,1% SMD,0603	4	R6,R165,R270,R450	YAGEO	RC0603FR-07511R
RES,5.11K OHM,1/10W,1% SMD,0603	1	R983	VISHAY	D11/CRCW0603 100 5K11 1% ET1E3
TEST POINT,2A,H=1.25mm SMD,1206,CHECKER CHIP	2	R254,R267	KOA	RCSCTE00000D
RES,2.55K OHM,1/4W,1% SMD,1206	6	R988,R989,R990,R997,R1000,R1001	WALSIN	WR12X2551FTL
RES,133 OHM,1/10W,1% SMD,0603	8	R531,R532,R541,R542,R555,R556,R568,R569	VISHAY	D11 100 133R 1% P5+e3

RES,0 OHM,1/10W,5% SMD,0603	28	C52,C53,C243,C244,C391,C392,C526,C527,R25,R28,R201,R202,R203,R220,R295,R302,R400,R401,R402,R418,R534,R543,R558,R571,R803,R804,R808,R811	BOURNS	CR0603-J-000-E
RES,100 OHM,1/10W,1% SMD,0603	5	R33,R214,R311,R412,R939	PDC	FCR03FT-1000
RES,13K OHM,1/10W,1% SMD,0603	4	R537,R546,R561,R574	VISHAY	D11/CRCW0603 100 13K 1% ET1E3
RES,22.1K OHM,1/10W,1% SMD,0603	1	R998	BOURNS	CR0603-F-W-2212-E
RES,33.2K OHM,1/10W,1% SMD,0603	2	R987,R1002	DALE	CRCW06033322FRT1+ e3
RES,200K OHM,1/10W,1% SMD,0603	2	R951,R956	VISHAY	D11 100 200K 1% P5
RES,220K OHM,1/10W,5% SMD,0603	1	R954	TADII	D11220KJBZ S
RES,121K OHM,1/10W,1% SMD,0603	1	R948	YAGEO	RC0603FR-07121K
RES,1K OHM,1/10W,1% SMD,0603	4	C646,C674,C701,C732	AVX	CR10-102-FT
RES,13.7K OHM,1/10W,1% SMD,0603	2	R947,R949	YAGEO	RC0603FR-0713K7L
RES,3.3 OHM,1/10W,1% SMD,0603	4	R13,R197,R282,R396	YAGEO	RC0603FR073R3
RES,120 OHM,1/10W,1% SMD,0603	2	R961,R974	TMTEC	CR03FL7-120R

		C35,C88,C257,C302,C355,C419,C540, C581,C802,C903,R4,R11,R48,R50,R57 ,R60,R63,R66,R69,R80,R83,R84,R99,R 100,R102,R108,R116,R117,R118,R122, R124,R133,R136,R143,R144,R146,R15 1,R152,R161,R166,R167,R168,R172,R 178,R183,R195,R234,R237,R242,R245, R248,R251,R261,R271,R275,R276,R27 7,R280,R290,R291,R324,R326,R331,R 333,R337,R340,R343,R346,R349,R351, R355,R359,R360,R361,R366,R372,R37 7,R386,R388,R394,R429,R432,R437,R 440,R443,R446,R470,R473,R475,R480, R491,R493,R502,R503,R504,R506,R51 3,R516,R519,R524,R526,R530,R535,R 544,R549,R551,R559,R563,R567,R572, R800,R806,R810,R825,R826,R832,R83 3,R841,R843,R862,R866,R868,R882,R 885,R890,R903,R904,R910,R943,R958, R963,R964		
RES,0 OHM,1/16W,5% SMD,0402	132		VISHAY	CRCW04020000Z0EE
RES,68.1 OHM,1/16W,1% SMD,0402	2	R814,R817	VISHAY	D10/CRCW0402 100 68R1 1% ET7e3

RES,100 OHM,1/16W,1% SMD,0402	20	C836,R3,R158,R266,R449,R809,R816, R892,R893,R898,R899,R901,R920,R92 1,R924,R927,R935,R936,R937,R938	YAGEO	RC0402FRF13100R
RES,200 OHM,1/16W,1% SMD,0402	43	R39,R44,R74,R78,R81,R82,R123,R125 ,R126,R137,R149,R150,R159,R182,R1 87,R226,R232,R255,R268,R306,R307, R354,R376,R383,R422,R428,R460,R46 4,R471,R472,R492,R494,R495,R517,R 522,R523,R528,R538,R547,R550,R552, R565,R851	SAMSUNG	RC1005F2000AS
RES,301 OHM,1/16W,1% SMD,0402	13	R1,R14,R16,R164,R198,R200,R265,R2 87,R289,R397,R399,R451,R858	VISHAY	CRCW04023000F
RES,511 OHM,1/16W,1% SMD,0402	25	R18,R20,R21,R23,R31,R32,R192,R194 ,R206,R208,R212,R213,R286,R294,R2 98,R300,R309,R310,R391,R393,R405, R407,R410,R411,R848	VITROHM	512-0 511R 1% TK10
RES,1K OHM,1/16W,1% SMD,0402	28	R41,R98,R110,R112,R127,R129,R138, R139,R148,R154,R155,R185,R224,R32 1,R353,R356,R357,R358,R389,R420,R 487,R496,R498,R507,R509,R521,R911, R959	YAGEO	RC0402FR-071K
RES,1.1K OHM,1/16W,1% SMD,0402	2	R259,R273	CAL-CHIP	RM04F1101CT
RES,1.5 K OHM,1/16W,1% SMD,0402	2	R85,R292	YAGEO	RC0402FR-071K5L



RES,2K OHM,1/16W,1% SMD,0402	10	R97,R115,R131,R147,R486,R501,R511,R520,R871,R876	SMEC	RC73A2Z2K00FT
RES,5.11K OHM,1/16W,1% SMD,0402	31	R529,R539,R548,R553,R554,R566,R807,R852,R855,R864,R867,R870,R872,R873,R874,R877,R880,R881,R883,R884,R888,R889,R907,R908,R909,R912,R914,R922,R923,R933,R934	SIEMENS	B54100-A2512-F160
RES,10K OHM,1/16W,1% SMD,0402	12	R45,R89,R228,R328,R424,R465,R840,R849,R886,R887,R953,R981	YAGEO	RC0402FR-0710KL
RES,11.5K OHM,1/16W,1% SMD,0402	1	R984	SAMSUNG	RC1005F1152AS
RES,47K OHM,1/16W,1% SMD,0402	4	R38,R219,R316,R417	WALSIN	WR04X4702FTL
RES,100K OHM,1/16W,1% SMD,0402	1	R991	KOA	RK73H1ETP1003F
RES,50m OHM,1/2W,1% SMD,1206	4	R68,R253,R325,R448	IRC	LRC-LR1206LF-01-R050-F
RES,4.75K OHM,1/16W,1% SMD,0402	6	R86,R293,R918,R941,R969,R973	VISHAY	CRCW04024K75FKED
RES,30.1K OHM,1/16W,1% SMD,0402	2	R71,R457	VISHAY	CRCW040230K0FKED
RES,2.74K OHM,1/16W,1% SMD,0402	1	R221	VIKING	CR02FTE2741
RES,931 OHM,1/16W,1% SMD,0402	4	R95,R134,R484,R514	YAGEO	RC0402FR-07931RL
RES,499 OHM,1/16W,1% SMD,0402	4	R96,R135,R485,R515	KOA	RK73H1ETP4990F
RES,3.01K OHM,1/16W,1% SMD,0402	5	R111,R128,R497,R508,R805	TMTEC	CR02FL6-3K01
RES,2.21K OHM,1/16W,1% SMD,0402	1	R233	BOURNS	CR0402-FX-2211GLF

RES,18.2 OHM,1/16W,1% SMD,0402	10	R15,R72,R91,R92,R199,R288,R398,R458,R467,R468	YAGEO	RC0402FR-1318R2L
RES,4.7 OHM,1/16W,5% SMD,0402	4	C663,C689,C720,C749	AVX	CR05-4R7J-H
RES,12.1K OHM,1/16W,1% SMD,0402	3	R985,R994,R1003	CAL-CHIP	RM04F1212CTLF
RES,1.21K OHM,1/16W,1% SMD,0402	11	R27,R35,R205,R216,R222,R304,R313,R404,R414,R839,R860	KOA	RK73H1ETTD-1211F
RES,825 OHM,1/16W,1% SMD,0402	4	R52,R229,R329,R425	VIKING	CR-02FL6--825R
RES,10 OHM,1/16W,1% SMD,0402	23	C820,R19,R22,R26,R93,R120,R130,R193,R204,R207,R285,R299,R303,R392,R403,R406,R482,R489,R510,R533,R540,R557,R570	VIKING	CR-02FL6---10R
RES,22.1 OHM,1/16W,1% SMD,0402	4	R76,R462,R960,R975	VIKING	CR-02FL6--22R1
RES,619 OHM,1/16W,1% SMD,0402	4	R37,R218,R315,R416	YAGEO	RC0402FRF07619R
RES,24.3K OHM,1/16W,1% SMD,0402	1	R980	SAMSUNG	RC1005F2432AS
RES,243 OHM,1/16W,1% SMD,0402	4	R75,R77,R461,R463	YAGEO	RC0402FRF07243RL
RES,909 OHM,1/16W,1% SMD,0402	1	R853	YAGEO	RC0402FRF07909RL
RES,1.62K OHM,1/16W,1% SMD,0402	2	R70,R456	CAL-CHIP	RM04F1621CTLF
RES,15K OHM,1/16W,1% SMD,0402	6	R17,R87,R191,R297,R332,R390	YAGEO	RC0402FRF0715KL
RES,36.5K OHM,1/16W,1% SMD,0402	1	R850	YAGEO	RC0402FR-0736K5L
RES,39.2K OHM,1/16W,1% SMD,0402	2	R986,R999	YAGEO	RC0402FRF0739K2L

RES,68.1K OHM,1/16W,1% SMD,0402	4	R90,R105,R466,R477	YAGEO	RC0402FRF0768K1L
RES,1 OHM,1/8W,1% SMD,0805	12	R913,R919,R932,R942,R944,R945,R962,R965,R968,R970,R971,R976	RCD	MC 0805 R100-FT
RES,160K OHM,1/10W,1% SMD,0603	1	R957	YAGEO	RC0603-FR07-160K
RES,10 OHM,1/4W,1% SMD,1206	4	R43,R231,R318,R427	VISHAY	D25-10R0-1% 200PPM+e3 T/R
RES,2m OHM,1W,1% SMD,2010,275PPM	1	R992	VISHAY	WSL2010 0.002 1% R86
RES,5m OHM,1W,1% SMD,2010,110PPM	1	R978	IRC	LRC-LR2010-01-R0049-F
RES,499 OHM,1/10W,1% SMD,0603	1	R875	DRALORIC	D11-100-499R-1%-PN
RES,316K OHM,1/10W,1% SMD,0603	1	R955	BOURNS	CR0603FX3163ELF
RES,25.5K OHM,1/16W,1% SMD,0402	4	R79,R145,R469,R518	YAGEO	RC0402FR-0725K5L
RES,10K OHM,1/10W,5% SMD,0402	2	R950,R982	PANASON	ERJ-2GEJ103X
RES,100 OHM,1/16W,0.1% SMD,0402,25ppm	3	R946,R979,R995	WALSIN	WF04H1000BTL
RES,274K OHM,1/10W,1% SMD,0603	1	R993	VISHAY	D11-274K-F-C-S+e3
RES,130K OHM,1/10W,1% SMD,0603	1	R952	DRALORIC	D11-100-130K-1%- P5+e3
RES,1 OHM,1/16W,1% SMD,0402	4	R157,R162,R364,R380	VISHAY	CRCW04021R00FNED
IC,LIN,10BIT A/D T/SENS, SMD,MSOP-8	1	Q802	NSC	LM70CIMM-3 NOPB
TRSTOR,NPN,2N2222A, SW,40V,600mA,SOT-23	15	Q4,Q5,Q6,Q10,Q11,Q15,Q19,Q20,Q21,Q23,Q24,Q33,Q34,Q800,Q801	ONS	MMBT2222ALT1
TRSTOR,FET,N-CH,30V, 2.2A,82mOHM,SMD,SOT-23	2	Q806,Q807	FAIRCHIL	FDN337N_NL

TRSTOR,PNP,2N2907A, SW,60V,600mA,SOT-23	4	Q22,Q25,Q32,Q35	SIEMENS	SMBT2907A
MOSFET,P-CHAN,60V,0.17A 8 OHM,SOT-23	4	Q26,Q28,Q30,Q36	PHILIPS	BSS84 T/R
TRSTOR,RF,NPN 10GHZ,SMD,SOT- 343	4	Q2,Q8,Q13,Q17	SIEMENS	Q62702F1591
MOSFET,P-CHAN,30V,5A 54mOHM,SMD,TSOP-6	4	Q3,Q9,Q14,Q18	VISHAY	Si3457BDV-T1-E3
TRSTOR,RF,NPN,50mA ,SMD,SOT- 343, BFP640	4	Q27,Q29,Q31,Q37	INFINEON	BFP 640 H6327
FET,N-CHAN,25V,100A 2.1mOHM,NexFET,SMD,SON-8	1	Q804	TEXAS IN	CSD16325Q5C
FET,N-CHAN,25V,59A 9.6mOHM,NexFET,SMD,SON-8	2	Q803,Q805	TEXAS IN	CSD16410Q5A
MOSFET,N-CHAN,40V,100A 2.7mOHM,SMD,	2	Q808,Q809	INFINEON	BSC027N04LS G
Regulator Adjustable LDO 1.22- 20Vo,100mA SOT23	1	U803	LINEAR	LT1761ES5-BYP
IC,VOLT REG,LDO,ADJ,1% 3A,POS,TO-263-5,SMD	4	U1,U13,U21,U32	MICREL	MIC29302WU
Boost Converter With 22V FET Switch SMD SOT23-5	1	U819	NATIONAL	LM2731YMF NOPB
LDO CONTROLLER ADJ 10A 1- 5.5V MSOP-10	1	U805	MICREL	MIC5191YMM TR
CABLE,RF,0.1M,SM86 MCX(M) ST/N-TYPE(F) FLA	4		CNT	CB2075
CABL,RF,0.1M,SM86 MCX(M)/N- TYPE(F),DOC	REF			
PROTECTIVE CAP FOR N-TYPE JACK,NONCORROSIVE	4		HIDU	N-61P
PA Spacer	4		GrandTec	MC9421-01

PA Spacer - Drw.	REF			
NGP PICO - RF Housing	1		SJS PREC	MC9425-02
NGP PICO - RF Housing - Drw.	REF			
NGP PICO - RF Cover FC CNC	1		GrandTec	MC9427-60
NGP PICO - RF Cover - Drw. - FC CNC	REF			
NGP Pico -FC CNC RF Mid Plate	1		SHIRAN	MC9437-60
NGP Pico - FC CNC RF Mid Plate - Drw.	REF			
NGP Pico - RFI sealer	1		TennVac	MC9440-01
NGP Pico - RF RFI sealer - Drw.	REF			
DOCA SUBA NGP PICO COVER	REF			
SUBA NGP PICO COVER Drw.	REF			
SC PAN HD PH 4-40X3/8 W.SPRING AND FLAT WS SS	16		LOCAL ST	04C06PP10SEMS-LW-FW
SC PH M3X25 A A2 W/WS SPRING & FLAT & SS	27		MAHAM	SC-1257
SC PH M3X25 A W/WS SPRING&FLAT&SS,DOC	REF			
SC PH,Phill,M2.5x8 SEMS W/WS F+S,STST	8		ELMA	SC1263
SC PH,Phill,M2.5x8 SEMS W/WS F+S,STST	REF			
MOSFET,RF,PWR,N-CH,33dBm 3.4- 3.6GHz,NI-400-240	4	Q71,Q76,Q77,Q78	FREESCAL	MRF7S38010HR5
SC HEX HD M6X12 W/WS FLAT & WS SER	2		WEAL-LAM	SC1175

SC HEX HD M6 W/WS FLAT & WS SER,DOC	REF			
SC PAN HD PH M4x16 SW/FW A2	14		OMON	SC1222
SC PAN HD PH M4x16 SW/FW A2-Draw	REF			
Compact S/W Shadow 1.0.0.320801	REF			
Compact S/W Main 1.0.0.320801	REF			
DOCA TOPA NGP PICO	REF			
DOCA -TOPA NGP PICO - Drw	REF			
Compact PICO Flow process assembly	REF			