







11, 12, 14, 15, 17, 18, 110, 111, 112, 113			RF Connectors / Cossial Connectors			
/11, /12, /13	142-0301-461	10	Cossist Connectors PC END MT JCK GLD :062 BOARDS TAB	142-0701-051	Johnson / Cinch Connectivity Solutions	142-0701-051
CI.	220nF		CAP CER 0.22UF 16V X7R 0603	0603 Cap	TDK Corporation	C1608X7R1C22- 80AC
C13, C12, C13, C15, C16, C17, C18, C19, C41, C42, C44, C45, C46, C47, C57, C58, C59, C60, C64, C66, C74, C75	100-7		CAP CER 0.1UF 16V X7R 0603	0000 C	erser.	C0600C104K4R
C74, C75 C2, G65	100pF		97R 0600 CAP CER 100PF 50V 97R 0600	0603 Cap 0603 Cap	Samsung Electro- Mechanics	CL109101KE6N
	120-5	<u> </u>	X7R 0603 CAP CER 220PF 50V X7R 0603	near Cap	Samung Dectro- Mechanics	CL108221KB6W
C3, G8, G62	2 2 16 10*			MATE CAS	America, Inc. Sameung Electro- Mechanics America, Inc.	CL108225KPBNP
C34, C48, C61 C4	2.2 uF 10V 4.7 uF		CAP CER 2.2UF 10V 97R 0600 CAP TANT 4.7UF 10V 20% 0603	0603 Cap 0603 Cap	America, Inc. AVX Corporation	C F981A4TSMMA
C43, C53, C54, C55, C54, C71, C72	tuF		CAP CER TUF 16V	0603 Cap	Samsung Slectro- Mechanics America, Inc.	CL108105MOBN WC
.70	230nF		CAP CER 0.33UF 16V X7R 0603 LED RED CLEAR	6603 Cap	Yageo	CC06636897878 334
21	LED RED LED GREEN		0603 SMD LED GREEN CLEAR 0603 SMD	0603 LED 0603 LED	Lite-On Inc.	LTST-C191KGKT
P1	478		0603 SMD 4.7K OHM 1% 1/10W	06/13 San	Those o	PC060359-0746
R11, R12, R16, R30	10K		RES SMD 10K OHM 1% 1/10W 0603	0603 Res	Yageo	RC0603FR-07108
R13	220		RES SMD 10K OHM 1% 1/10W 0603 RES SMD 220 OHM 1% 1/10W 0603 RES SMD 8.06K OHM 1% 1/10W	0603 Res	Yageo	07220RL RC0603FR-
114	8.06K		0603	0603 Res 0603 Res	Yageo	078KOGL
RIS	1K	,	1% 1/10W 0603 RES SMD 1 SBK OHM 1% 1/10W		Yageo	RC0603FR-071K0 RC0603FR-
12	1.58K		0603 RES SMD 2.94K OHM 1% 1/10W	0603 Res	Yageo	ROSSEL ROSSER-
R24	2.56K 22K		0603 RES SMD 22K OHM 1% 1/10W 0603 RES SMD 22 OHM	0603 Res 0603 Res	Yageo Yageo	072K94L RC0603FR-0722k
R29	22		RES SMD 22 OHM 1% 1/10W 0603 CAP CER 47UF 16V	0603 Res	Yageo	RC0603FR-07226 GRM21BR71C47
C40	4.7uF 16V		X7R 0805 FERRITE BEAD 30	0005 CAP	North America	ESTL
FB2, FB3 C11, C15	30 ohm 100mhz 1.8pf 0402		CAP CER 1.89F SOV COG/NPO 0402	0805 Ind CAPC1005HDSL	Bourns Inc. Murata Electronics North America	MH2029-300V GRM1555C1H1F CZD1D
C18, C19, C22, C23, C29, C73	100 pF	4	CAP CER 100PF 50V NPO 0402, CAP CER 100PF 50V NPO 5402, CAP CER 100PF 50V NPO 5402, CAP CER 100PF 50V NPO 5402, CAP CER 100PF 50V NPO 5402, CAP CER 100PF 50V SN NPO 5402, CAP CER 100PF 50V SN NPO 5402, CAP CER	CAPC1005H05L	North America Maussa Electronics North America, Maussa Electronics North America, Maussa Electronics North America, Maussa Electronics North America, Maussa Electronics North America, Samung Electro- Mechanics America, Inc.	GRM15SSC1H10 GA010, GRM15SSC1H10 GA010, GRM15SSC1H10 GA010, GRM15SSC1H10 GA010, GRM15SSC1H10 GA010, CLUSC101JBSNN C
C21, C24, C30	0.1 uF		CAP CER 0.1UF 16V 10% X7R 0402	CAPC 1005HDSL	America, Inc Samsung Electro- Mechanics America, Inc	CLOSE TOURIDS NA
.28	10pF		COG NPO 0402 CAP CER 1095 SOV COG NPO 0402 CAP CER 0.595 SOV	CAPC1005H05L	Murata Electronics North America Murata Electronics	GRM1555C1H10 A01D GJM1555C1HR50
31 60	0.5pF 1000oF		COG/NPO 0402 CAP CER 1000PF SOV COG/NPO 0402	CAPC100SH05L	North America Murata Electronics North America	BOID GRM1555C1H10. AOID
	10 of		CAD CED 1005 FDU	C LOCKETTS.	North America Samsung Dectro- Mechanics	CLOSIC TODURSNIN
C9, C10, C27	10 pf 1pf 0402		5% NP0 0402 CAP CER 199 SOV COG/NP0 0402	CAPCTODSHDSL	America, Inc	
			Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 4.7uF 16volts XSR			
C17, C20, C50, C52	4.7 uF			CAPC1608X10L	Murata Electronics Murata Electronics North America	GRM188R61C47 AAID GRM188R61C10 MA73D
066, 069	10 uf	-	CAP CER 10UF 16V 20% XSR 0603 CAP TANT 10UF 6.3V 20% 1206	CAPCTGOBATOL		GRM18BRS1C10 MA73D TAJA10BM00GRN
C12	10uF	<u> </u>	CAP CER 10000PF	CAPC3216809L Chip2Pin5M127960	AVX Corporation Samung Electro- Mechanics	CLOSE TO KASNIN
349, CS1	10 nF DSC61010124-	-	25V X7R 0402 ULTRA-LOW POWER MEMS	0-8N_CAP0402	America, Inc.	DSCEROTORA
115	DSC6101CI2A- 024.0000		POWER MEMS OSCILLATOR, ULTRA-LOW BOWER MEMS	DFN 3.2x2.5	Technology Microstin	DSCE101CQA- 024.0000
19	DSC6111CHA- 016.0000	-	POWER MEMS OSCILLATOR WIFI COUPLER	DFN 1.2x2.5	Microchip Technology	DSC6111C/1A- 016.0000
D4	CP0302A5425ENTR 150141M172100		0302 LED RGB CLEAR 1411 SMD	DFN60P65X25-4N DFN276P326X210- 4N	AVX Corporation Wurth Electronics Inc.	CP0302A5425EN 150141M172100
ON-1, 36	Header-1x3			Header-1x3-Jumper		
ON-GND	Header-1x2 Header-1x6	L -	<u> </u>	HEADER-11/2- Jumper HEADER-13/4	<u> </u>	<u> </u>
TUNK	Header-1x6		COLCRAFT -	Header-1x6		
112	0.67xH		BROZES NETWOLLI- INDUCTOR, RF, BETNH, 10%,26GHZ, SMD CONCRAFT- BROZES JANUGUU- INDUCTOR, RF, 2 TINH, SW, 15,94GH	INDC0905X05N- 0902CS	COLCRAFT	0002CS-NE7XXLL
17	2 1eii			INDC0905X05N-	CONCRACT	nanors were
			Z, SMD FIRED IND 3NH 190MA 400 MOHM	6902CS	Murata Electronics	LOP1SMINISHORD
L10 L11	SaH SanH		SMD FIRED IND 6.8NH 600MA 240 MOHM	INDC1005X06L	North America Musata Electronics North America	LQG 15HSENBX02
LS	2.2mH		FIRED IND 2.2NH 1A 27 MOHM SMD FIRED IND 1.5NH	INDC1005X06L	Murata Electronics North America Murata Electronics	LQW1SANDN2C1 D LQP1SMW1LLOCK
18, 19	1.SmH		280MA 200 MOHM	INDC1005X06L	North America Musata Electronics	D
FB1, FB4	-AU ORAN	<u> </u>	OHM 0603 1LN COILCRAFT - 0603CS-18NKUU -	1400000L	North America	econtePG121SN
16	18nH		NDUCTOR, RF, 18NH, SN, 3.1GHZ,	INDC1811X10L 0603CS		
UB.	STM32F20SVETE		IC MCU 328IT S12KB FLASH 100LQFP	LQFP-100	STMicroelectronics	STM 32F205VET6
U1	OFAZZSHAIDGEP		IC OPAMP VFB 100MHZ RRO BVSSOP	MSOP-8	Texas Instrumen*	OPAZIS4AIDG#
DT RSTI	PushButton		PA: Linear, high- gain two-stage power amplifier with integrated output power detector and second harmonic (52) filter	PushButton		
ua.	SKY65006-348LF		detector and second harmonic (F2) filter	QFNS0F900X300X1 00_HS-17N	Broadcom Limited	MGA-13216-8110
DE .	QPL9065		CTMX USB 2.0	6_HS-17N-gorvo	COLCRAFT	772-QPL9065TR1
U12	USB3320C-62K-TR	-	FLEXPUR 22QFN CAP CER 4.7PF SOV	QFN1279600-8N	Microchip Technology Murata Electronics	USB3320C-62K-T GRM1SSSC1H4R
C14 C5, C6	4.7pF 0402 10000pF 0402		FLEXPWR 32QFN CAP CER 479F 50V CDG/NPO 0402 CAP CER 100009F 25V X7R 0402 AVX -	RESC1005XDHL RESC1005XDHL	Murata Electronics North America Murata Electronics North America	GRM155SC1H4R CA01D GRM155R71E103 A01J
C7, C16	5.6pF	-	COND, MLCC, COG/NPO, S.EPF, SOV, OHIO2 FIRED IND 22NH 200MA 700 MOHM	RESC1005XOAL	AVX	0402SASRGCAT2
L1, L2 L3, L4	22nH 2.2nH	-	FIRED IND 2.2NH	RESC1005XOAL RESC1005XOAL	TO C	MLX100552N251
	2.2nH 5.1	<u> </u>	SOOMA 180 MOHM RES SMD S.1 CHM	RESC1005XOAL	TDK Corporation Samuung Electro- Mechanics America, Inc.	
	5.1 29K		1% 1/16W 0402 RES SMD 39K OHM 1% 1/16W 0402 RES 100 OHM 1/16W 1% 0402 OMD	RESC1005XOAL	America, Inc. Yageo	RC100SFSR1CS RC0402FR-07298
R21		,	RES 100 CHM 1/16W 1% 0402 SMD	RESC1005XIO4L	Rohm Semiconductor	
R21 R22	100		1/16W 1% 0402 SMD RES SMD 220 OHM 1% 1/16W 0402 RES SMD 240 OHM	RESC1005XOAL	Yageo	MCRO1MRTF100 RCM02FR- 07220RL
R21	100 220		i .	ı	Electronic	ERJ-3GE;041X
R21 R22	220 240		5% 1/10W 0402	RESC1005X04L	Lomponents	
R21 R22	220 240 49.9	,	5% 1/10W 0402 RES 49.9 OHM 1/16W 1% 0402 SMD	RESC1005XD4L RESC1005XD4L	Rohm Semiconductor	MCRO1MRTF49R
R21 R22 R26, R28, R31 R27	240	1	\$% 1/10W 0402 RES 49.9 CHM 1/16W 1% 0402 SMD RES SMD 180 CHM 5% 1/10W 0402			MCRO1MRTF49R
R21 R22 R26, R28, R31 R27	220 240 49.9		5% 1/10W 0402 RES 49.9 OHM 1/16W 1% 0402 SMD	RESC1005XD4L	Panasonic Electronic	MCRO1MRTF-49R BRJ-2GE/5 13X
R21 R22 R26, R28, R31 R27	220 240 49.9	1	5% L/10W O462 825 489 OHM 1/16W 1% 0462 5MD 835 5MD 180 OHM 835 5MD 51K OHM 85% L/10W 0462 85% L/10W 0462 825 0D OHM L/10W JMP 0462	RESC1005XDHL RESC1005XDHL		
R21 R26, R28, R31 R3 R3 R6 R5 R6 R6, R6, R10, R17, R18, R19, R25, R31, R33, R19, R25, R31, R33	240 240 43.9 180 51K 0	1	SSE LYTOW OREZ RES 49.9 CHM LYTOW TIS OREZ SMD RES SMD TRO CHM SSE LYTOW OREZ RES SMD STK OHM SSE LYTOW OREZ RES SMD STK OHM LYTOW OREZ RES SMD STR OHM LYTOW OREZ RES SMD STR OHM LYTOW OREZ RES SMD STR OHM LYTOW OREZ RES SMD SMR OHM LYTOW OREZ RES SMR	RESC1005X04L RESC1005X04L RESC1005X04L RESC1005X04L SCODFLSSXX117-2N	Panasonic Electronic Components Samung Sectro- Mechanics America, Inc Microchia Microchia	ERI-2GE/S1IX RC1005/000CS BAT60/FILM MCS/SSI-2/BM/FI
\$21 2022 2026, \$28, \$31 2027 83 84 85 86 87, \$88, \$60, \$10, \$17, \$18, \$19, \$45, \$22, \$33	240 240 43.9 180 51K 2 8ATROJFEM MICS2S3-2.0WI-TR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SSI 17-19W OREZ \$25-40-9 CHM 17/10W 1% OREZ SMD \$455 SMD 180 CHM SSI 17-19W OREZ RES SMD 51K CHM SSI 17-19W OREZ RES SMD 51K CHM SSI 17-19W OREZ RES ORD CHM 17-10W JUNP OREZ DICHES SCHOTTES* 10V 24	RESC1005X04L RESC1005X04L RESC1005X04L RESC1005X04L	Panasonic Electronic Components Samzung Electro- Mechanics America, Inc STMicroelectronics Microchip Sechnology	ERI-2GEIS 13X RC10053000CS BATGUIFILM BMCSISS-2 09MT IR
R21 R26, R28, R31 R3 R3 R6 R5 R6 R6, R6, R10, R17, R18, R19, R25, R31, R33, R19, R25, R31, R33	240 240 43.9 180 51K 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS 1/10W OME SES 40.9 OMM 1/10W 1% OME SS 1/10W OME SS 1/10W OME RES SMD SIX OHM SS 1/10W OME RES SMD SIX OHM 1/10W OME RES SMD SIX OHM 1/10W SMP OME SMC SCHOOL SMC SCHOOL S	RESC1000X0HL RESC1000X0HL RESC1000X0HL RESC1000X0HL SCOCE20X0HL SC	Panasonic Biotzonic Components Samsung Shotzo- Mechanics America, Inc STM:cooliectronics Microdhip Technology Analog Devices Inc.	ERI-3GE/S12X EC1006/J000CS BATGUIFILM MICS/SS-1-2/9WT TR ADIS/SS/SACPZ-EC ADM/11/1ACPZ-3
R21 R22 R26, R28, R31 R27 R26, R38, R31 R32	220 240 49.9 180 51K 9 8A1903FEM MICC233-2,0WIT-TR ADX3250ACPZ-87 ADM7171ACPZ-3,3-87	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SSI L/10W OMES SES 489 GIMM L/10W 15 GMES SMD SES 588 GIMM SSI SMD 180 GHM SSI SMD SIX GHM SSI L/10W OMES SES 588 SIX GHM SSI L/10W OMES SES 588 GIMM SSI L/10W OMES SSI L/	RESC 1005XML RESC	Fanascoic Electronic Components Samung Sectro- Mechanics America, Inc Microelectronics Microelectronics Microelectronics Microelectronics Microelectronics Analog Devices Inc. Analog Devices Inc.	ERI-3CE/S12X BC100S3000CS BAT00JFILM MICS3S3-2-09MT ADMS3SSACPZ-RC ADM7171ACPZ-3 RT
201 202 202 202 202 202 202 202 202 202	220 240 2419 2419 2419 251K 2 2 2ATIONET IN MICCISS J. J. OWN T. III ANDISSOACE 2-47 ADMITTMACE 2-13- 27 TU/73118POSVT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SSI L/10W OMES SES 489 GIMM L/10W 15 GMES SMD SES 588 GIMM SSI SMD 180 GHM SSI SMD SIX GHM SSI L/10W OMES SES 588 SIX GHM SSI L/10W OMES SES 588 GIMM SSI L/10W OMES SSI L/	RESC1005X04L RESC1005X04L RESC1005X04L RESC1005X04L RESC1005X04L SODEL25X0X117-2W SODESP160555-ye- 2W SODESP160555-ye- SODESP16055-ye- W SODESP16055-ye- SODESP1605-ye- SODESP1605-ye	Panasonic Biotzonic Components Samsung Shotzo- Mechanics America, Inc STM:cooliectronics Microdhip Technology Analog Devices Inc.	ERI-3GE/S12X EC10053000CS BATG03FILM MRCS353-2-0MFT R ADLS358ACP2-RC BUT7171ACP2-3 ET TLY73218P08VT
R21 R22 R26, R28, R31 R27 R26, R38, R31 R32	220 240 49.9 180 51K 9 8A1903FEM MICC233-2,0WIT-TR ADX3250ACPZ-87 ADM7171ACPZ-3,3-87	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS 1/10W OME SES 40.9 OMM 1/10W 1% OME SS 1/10W OME SS 1/10W OME RES SMD SIX OHM SS 1/10W OME RES SMD SIX OHM 1/10W OME RES SMD SIX OHM 1/10W SMP OME SMC SCHOOL SMC SCHOOL S	RESC 1005XML RESC	Fanascoic Electronic Components Samung Sectro- Mechanics America, Inc Microelectronics Microelectronics Microelectronics Microelectronics Microelectronics Analog Devices Inc. Analog Devices Inc.	ERI-3CE/S12X BC100S3000CS BAT00JFILM MICS3S3-2-09MT ADMS3SSACPZ-RC ADM7171ACPZ-3 RT











