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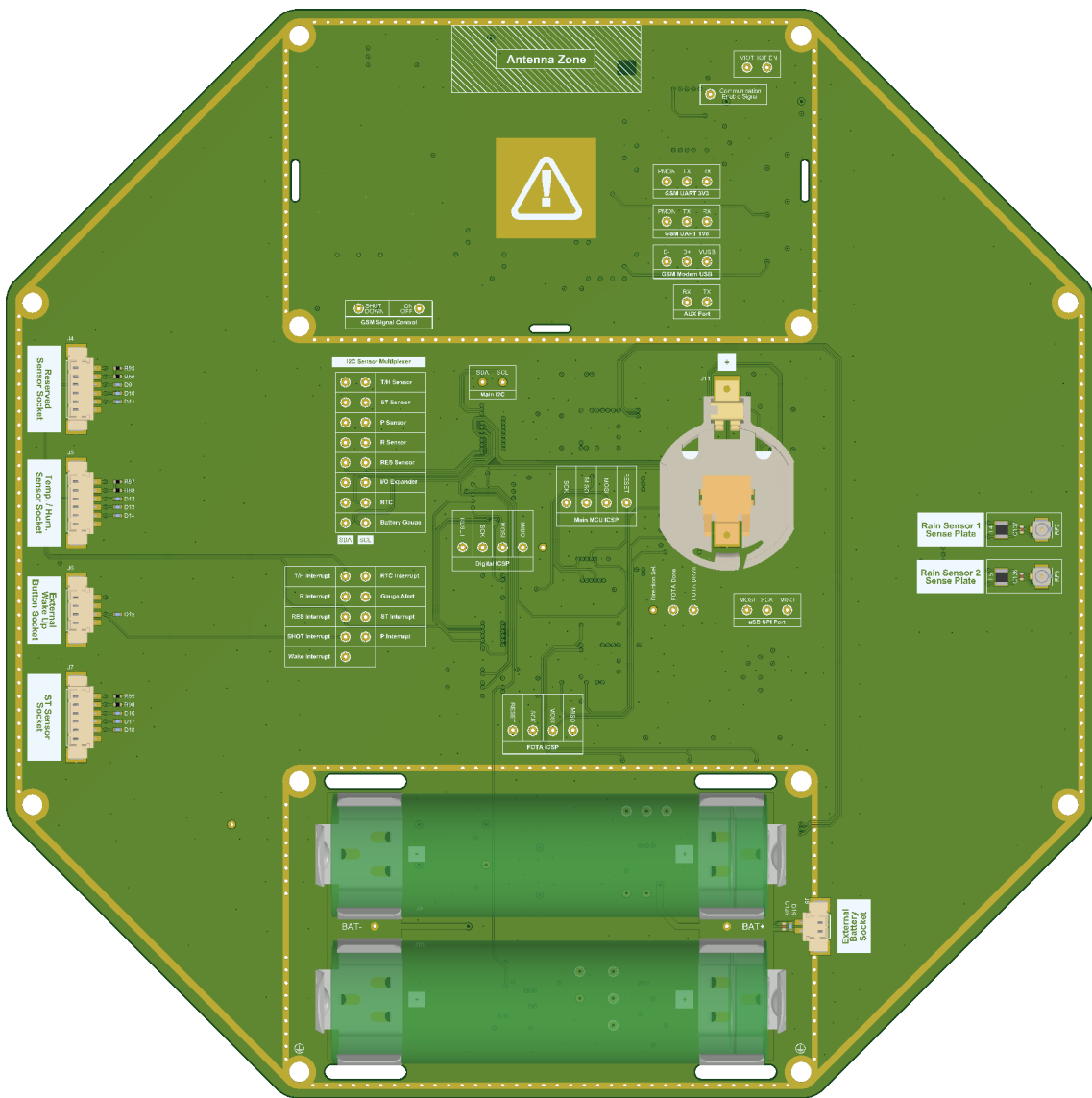
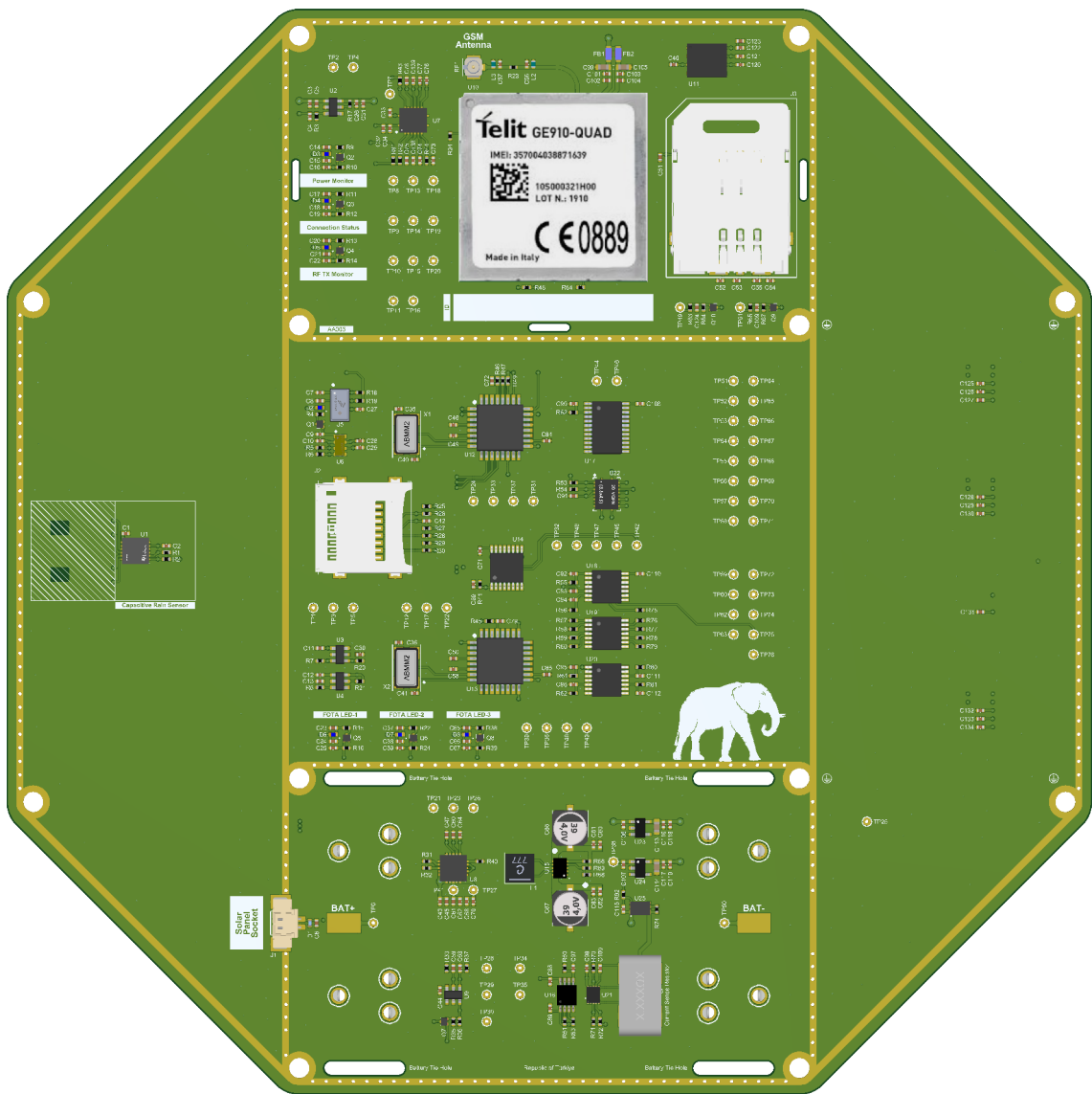
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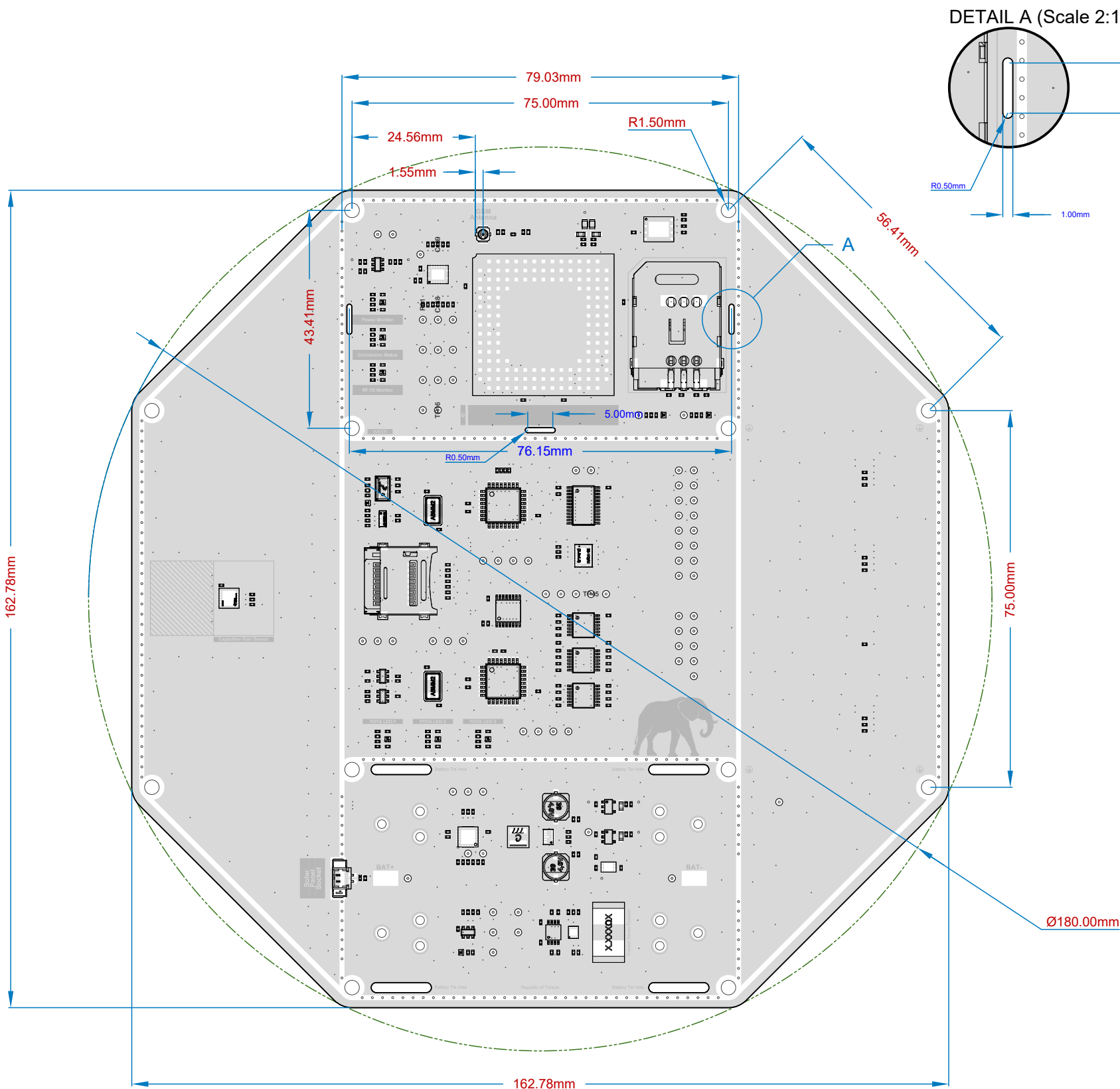
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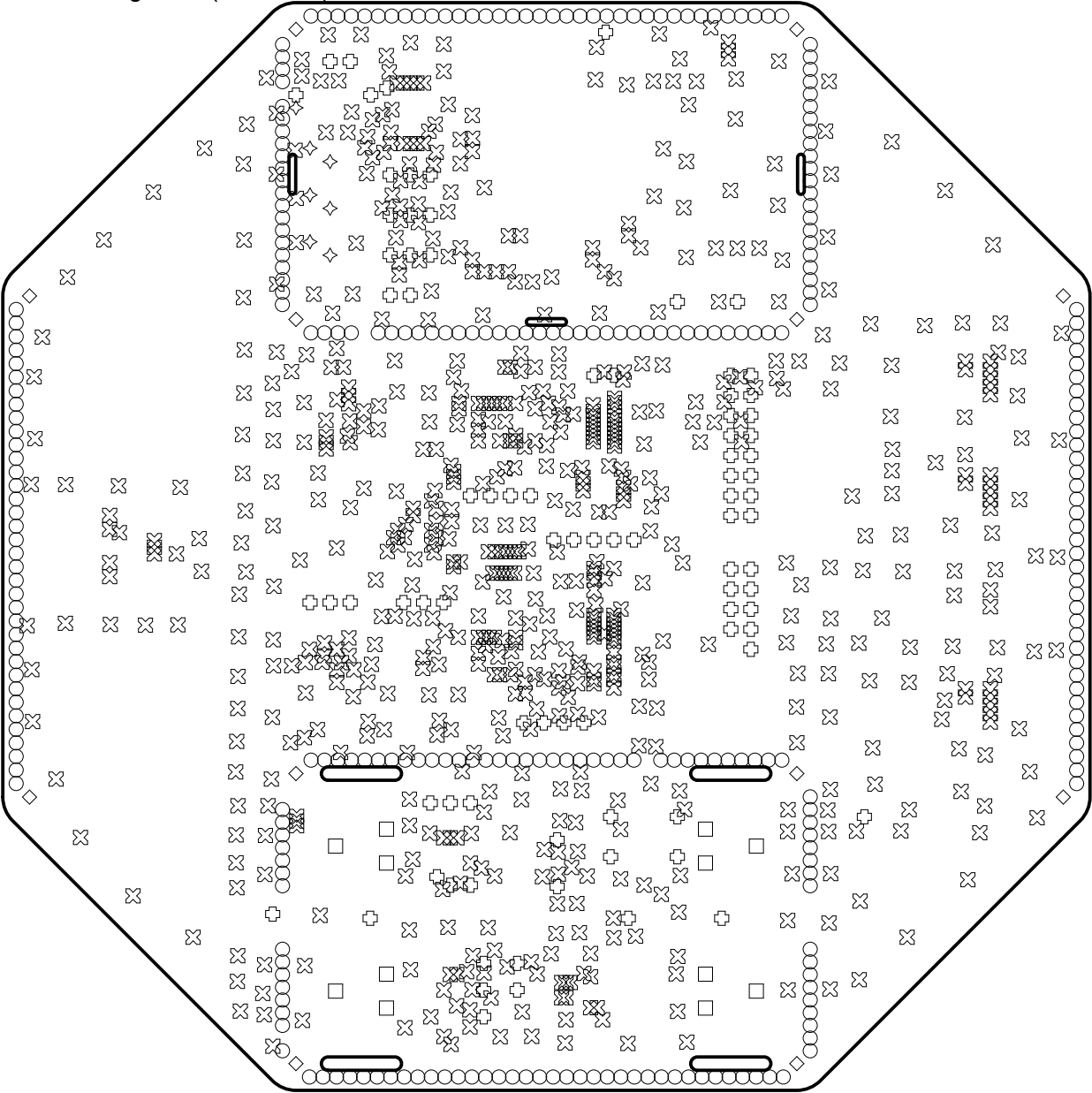
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Drill Drawing View (Scale 1:1)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
x	748	0.20mm	Plated	None
◆	7	0.25mm	Plated	+/-0.01mm
○	289	0.50mm	Plated	+/-0.05mm
⊕	87	0.50mm	Plated	None
□	12	1.83mm	Plated	None
◇	12	3.00mm	Plated	None
1155 Total				

	A	B	C	D	E	F	G	H																																																																																																																																																																																																																																																																																																																																																				
1	<div>Bill Of Materials</div> <table><tr><th>Designator</th><th>Comment</th><th>Quantity</th><th>Manufacturer Name</th><th>Manufacturer Part Number</th></tr><tr><td>J1</td><td>2P SMD Tunic Connector</td><td>1</td><td>Molex</td><td>53261-0271</td></tr><tr><td>J8</td><td>2P SMD Tunic Connector</td><td>1</td><td>Molex</td><td>53261-0271</td></tr><tr><td>J6</td><td>4P SMD Tunic Connector</td><td>1</td><td>Molex</td><td>53261-0471</td></tr><tr><td>J4</td><td>6P Tunic Connector</td><td>1</td><td>Molex</td><td>53261-0671</td></tr><tr><td>J5, J7</td><td>6P Tunic Connector</td><td>2</td><td>Molex</td><td>53261-0671</td></tr><tr><td>X1, X2</td><td>7.3728 MHz</td><td>2</td><td>ABRACON</td><td>ABMM2-7.3728MHZ-E2-T</td></tr><tr><td>U12, U13</td><td>8-bit MicroController</td><td>2</td><td>Microchip Technology / Atmel</td><td>ATMEGA328P-AU</td></tr><tr><td>C86, C87</td><td>Aluminium Organic Polymer Capacitors</td><td>2</td><td>Panasonic</td><td>16SVPC39MV</td></tr><tr><td>RF1, RF2, RF3</td><td>Antenna</td><td>3</td><td></td><td></td></tr><tr><td>U8</td><td>Battery Charger</td><td>1</td><td>Microchip</td><td>MCP73871-2AAI/ML</td></tr><tr><td>J9, J10</td><td>Battery Clip Holder and Battery</td><td>2</td><td>Keystone Electronics</td><td>254</td></tr><tr><td>J11</td><td>Battery Clip Holder and Battery</td><td>1</td><td>Keystone Electronics</td><td>1070TR</td></tr><tr><td>U21</td><td>Battery Gauge</td><td>1</td><td>Maxim Integrated</td><td>MAX17055ETB+T</td></tr><tr><td>U25</td><td>Battery Management IC</td><td>1</td><td>Diodes Incorporated</td><td>AP9211S-AE-HAC-7</td></tr><tr><td>Q1, Q2, Q3, Q4, Q5, Q6, Q8</td><td>Bipolar NPN Transistors</td><td>7</td><td>Nexperia</td><td>BC847AQAZ</td></tr><tr><td>Q7, Q9, Q10</td><td>Bipolar NPN Transistors</td><td>3</td><td>Nexperia</td><td>BC847AQAZ</td></tr><tr><td>U5</td><td>Board Mount Pressure Sensors</td><td>1</td><td>NXP Semiconductors</td><td>MPL3115A2R1</td></tr><tr><td>U15</td><td>Buck-Boost Converter</td><td>1</td><td>Texas Instruments</td><td>TPS63802DLAT</td></tr><tr><td>U1</td><td>Capacitive Sensor</td><td>1</td><td>Texas Instruments</td><td>FDC2112QDNTRQ1</td></tr><tr><td>R73</td><td>Current Sense Resistor</td><td>1</td><td>TT Electronics</td><td>OARSXPR010FLF</td></tr><tr><td>D1, D12, D13, D14, D15, D16, D17, D18</td><td>ESD Suppressors</td><td>8</td><td>Bussmann / Eaton</td><td>0402ESDA-MLP1</td></tr><tr><td>D9, D10, D11, D19</td><td>ESD Suppressors</td><td>4</td><td>Bussmann / Eaton</td><td>0402ESDA-MLP1</td></tr><tr><td>FB1, FB2</td><td>Ferrite Bead</td><td>2</td><td>Murata Electronics</td><td>BLM18EG101T21D</td></tr><tr><td>L2, L3</td><td>Fixed Inductor</td><td>2</td><td>Murata Electronics</td><td>LQG15HN1N0S02D</td></tr><tr><td>L4, L5</td><td>Fixed Inductor</td><td>2</td><td>Taiyo Yuden</td><td>CB2518T102K</td></tr><tr><td>L1</td><td>Fixed Inductor</td><td>1</td><td>Coilcraft</td><td>XFL4015-471MEB</td></tr><tr><td>U10</td><td>GE910 2G GSM Module</td><td>1</td><td></td><td></td></tr><tr><td>U16</td><td>I2C Bus Repeater</td><td>1</td><td>Texas Instruments</td><td>TCA9517ADGKR</td></tr><tr><td>U22</td><td>I2C I/O Expander</td><td>1</td><td>Texas Instruments</td><td>PCF8574RGYR</td></tr><tr><td>U17</td><td>I2C Switch IC</td><td>1</td><td>Texas Instruments</td><td>TCA9548APWR</td></tr><tr><td>U23, U24</td><td>LDO Voltage Regulator</td><td>2</td><td>Texas Instruments</td><td>TPS7A0533PDBVR</td></tr><tr><td>U20</td><td>Logic Gate (NAND)</td><td>1</td><td>Texas Instruments</td><td>SN74HCS00PWR</td></tr><tr><td>U18</td><td>Logic Gate (NOR)</td><td>1</td><td>Texas Instruments</td><td>SN74HCS7002QPWRQ1</td></tr><tr><td>U19</td><td>Logic Gate (OR)</td><td>1</td><td>Texas Instruments</td><td>SN74HCS32PWR</td></tr><tr><td>J2</td><td>Memory Card Connectors</td><td>1</td><td>Molex</td><td>47219-2001</td></tr><tr><td>U11</td><td>MFF2 SIM Chip</td><td>1</td><td></td><td></td></tr><tr><td>C56, C57</td><td>Multilayer Ceramic Capacitor</td><td>2</td><td>AVX</td><td>04026C102MAT2A</td></tr><tr><td>C34, C101, C103</td><td>Multilayer Ceramic Capacitor</td><td>3</td><td>Murata Electronics</td><td>GRM153R60J105ME95D</td></tr><tr><td>C2, C3, C4, C6, C10, C13, C27, C30, C31, C47, C59, C60, C63, C64, C69, C73, C74, C75, C76, C77, C78, C81, C82, C92, C93, C94, C95, C96, C97, C102, C104, C109, C111, C112, C118, C119, C124, C128, C129, C130, C131, C132, C133, C134, C135, C138, C139</td><td>Multilayer Ceramic Capacitor</td><td>47</td><td>Kemet</td><td>C0402C330J9RACAUTO</td></tr><tr><td>C9, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C37, C38, C39, C46, C51, C52, C53, C54, C65, C66, C67, C120, C121, C123, C125, C126, C127</td><td>Multilayer Ceramic Capacitor</td><td>30</td><td>Kemet</td><td>C0402C330J9RACAUTO</td></tr><tr><td>C1, C5, C7, C8, C11, C12, C26, C28, C29, C32, C33, C42, C43, C44, C48, C49, C50, C58, C61, C70, C71, C72, C79, C80, C83, C84, C85, C88, C89, C90, C91, C98, C106, C107, C108, C110, C115, C116, C117</td><td>Multilayer Ceramic Capacitor</td><td>39</td><td>AVX</td><td>04026D104KAT4A</td></tr><tr><td>C45, C62, C68</td><td>Multilayer Ceramic Capacitors</td><td>3</td><td>Kemet</td><td>C0402C475M9PACTU</td></tr><tr><td>C35, C36, C40, C41</td><td>Multilayer Ceramic Capacitors</td><td>4</td><td>Kemet</td><td>CBR04C130F5GAC</td></tr><tr><td>C55, C122</td><td>Multilayer Ceramic Capacitors</td><td>2</td><td>AVX</td><td>04026C474KAT2A</td></tr><tr><td>C100</td><td>Multilayer Ceramic Capacitors</td><td>1</td><td>AVX</td><td>04026C474KAT2A</td></tr><tr><td>C136, C137</td><td>Multilayer Ceramic Capacitors</td><td>2</td><td>Vishay</td><td>VJ0402Y332KXQCW1BC</td></tr><tr><td>U3, U9</td><td>Nanopower Timer IC</td><td>2</td><td>Texas Instruments</td><td></td></tr><tr><td>U2, U4</td><td>Power Switch</td><td>2</td><td>Texas Instruments</td><td>TPS22917DBVR</td></tr><tr><td>U6</td><td>Real Time Clock</td><td>1</td><td>Micro Crystal</td><td>RV-3028-C7</td></tr><tr><td>J3</td><td>SIM Holder Tray</td><td>1</td><td>Molex</td><td>47388-2001</td></tr><tr><td>D2, D3, D4, D5, D6, D7, D8</td><td>SMD LED (Blue)</td><td>7</td><td>ROHM Semiconductor</td><td>SMLP13BC8TT86</td></tr><tr><td>U14</td><td>SPI Switch IC</td><td>1</td><td>Texas Instruments</td><td>SN3257QPWRQ1</td></tr><tr><td>C99, C113, C114</td><td>Tantalum Capacitor</td><td>3</td><td>AVX</td><td>F380J106MMAAH3</td></tr><tr><td>C105</td><td>Tantalum Capacitor</td><td>1</td><td>AVX</td><td>F380J476MMAAXEH3</td></tr><tr><td>R23, R25, R28, R30, R34, R48, R64</td><td>Thick Film Resistor</td><td>7</td><td>Vishay</td><td>CRCW04020000Z0ED</td></tr><tr><td>R32</td><td>Thick Film Resistor</td><td>1</td><td>Vishay</td><td>CRCW04021K00FKED</td></tr><tr><td>R74</td><td>Thick Film Resistor</td><td>1</td><td>Vishay</td><td>CRCW04022K70FKED</td></tr><tr><td>R1, R2, R5, R6, R18, R19, R31, R40, R45, R46, R47, R49, R51, R52, R53, R54, R63, R65, R71, R72, R83, R85, R86, R87, R88, R89, R90</td><td>Thick Film Resistor</td><td>27</td><td>Vishay</td><td>CRCW040210K0FKED</td></tr><tr><td>R3, R8, R20, R26, R27, R29, R33, R37, R41, R42, R43, R44, R50, R55, R56, R57, R58, R59, R60, R61, R62, R67, R70, R75, R76, R77, R78, R79, R80, R81, R84, R91</td><td>Thick Film Resistor</td><td>32</td><td>Vishay</td><td>CRCW040247K0FKED</td></tr><tr><td>R10, R12, R14, R16, R24, R39</td><td>Thick Film Resistor</td><td>6</td><td>Vishay</td><td>CRCW040247K0FKED</td></tr><tr><td>R68</td><td>Thick Film Resistor</td><td>1</td><td>Vishay</td><td>CRCW040291K0FKED</td></tr><tr><td>R66</td><td>Thick Film Resistor</td><td>1</td><td>Vishay</td><td>CRCW0402100KFKED</td></tr><tr><td>R7, R35, R36</td><td>Thick Film Resistor</td><td>3</td><td>Vishay</td><td>CRCW0402249KFKED</td></tr><tr><td>R4, R9, R11, R13, R15, R22, R38</td><td>Thick Film Resistor</td><td>7</td><td>Vishay</td><td>CRCW0402330RFKED</td></tr><tr><td>R17, R21, R82</td><td>Thick Film Resistor</td><td>3</td><td>Vishay</td><td>CRCW0402330RFKED</td></tr><tr><td>R69</td><td>Thick Film Resistor</td><td>1</td><td>Vishay</td><td>CRCW0402604KFKED</td></tr><tr><td>U7</td><td>Voltage Level Shifter</td><td>1</td><td>Texas Instruments</td><td>SN74AVCH4T245RGYR</td></tr></table>							Designator	Comment	Quantity	Manufacturer Name	Manufacturer Part Number	J1	2P SMD Tunic Connector	1	Molex	53261-0271	J8	2P SMD Tunic Connector	1	Molex	53261-0271	J6	4P SMD Tunic Connector	1	Molex	53261-0471	J4	6P Tunic Connector	1	Molex	53261-0671	J5, J7	6P Tunic Connector	2	Molex	53261-0671	X1, X2	7.3728 MHz	2	ABRACON	ABMM2-7.3728MHZ-E2-T	U12, U13	8-bit MicroController	2	Microchip Technology / Atmel	ATMEGA328P-AU	C86, C87	Aluminium Organic Polymer Capacitors	2	Panasonic	16SVPC39MV	RF1, RF2, RF3	Antenna	3			U8	Battery Charger	1	Microchip	MCP73871-2AAI/ML	J9, J10	Battery Clip Holder and Battery	2	Keystone Electronics	254	J11	Battery Clip Holder and Battery	1	Keystone Electronics	1070TR	U21	Battery Gauge	1	Maxim Integrated	MAX17055ETB+T	U25	Battery Management IC	1	Diodes Incorporated	AP9211S-AE-HAC-7	Q1, Q2, Q3, Q4, Q5, Q6, Q8	Bipolar NPN Transistors	7	Nexperia	BC847AQAZ	Q7, Q9, Q10	Bipolar NPN Transistors	3	Nexperia	BC847AQAZ	U5	Board Mount Pressure Sensors	1	NXP Semiconductors	MPL3115A2R1	U15	Buck-Boost Converter	1	Texas Instruments	TPS63802DLAT	U1	Capacitive Sensor	1	Texas Instruments	FDC2112QDNTRQ1	R73	Current Sense Resistor	1	TT Electronics	OARSXPR010FLF	D1, D12, D13, D14, D15, D16, D17, D18	ESD Suppressors	8	Bussmann / Eaton	0402ESDA-MLP1	D9, D10, D11, D19	ESD Suppressors	4	Bussmann / Eaton	0402ESDA-MLP1	FB1, FB2	Ferrite Bead	2	Murata Electronics	BLM18EG101T21D	L2, L3	Fixed Inductor	2	Murata Electronics	LQG15HN1N0S02D	L4, L5	Fixed Inductor	2	Taiyo Yuden	CB2518T102K	L1	Fixed Inductor	1	Coilcraft	XFL4015-471MEB	U10	GE910 2G GSM Module	1			U16	I2C Bus Repeater	1	Texas Instruments	TCA9517ADGKR	U22	I2C I/O Expander	1	Texas Instruments	PCF8574RGYR	U17	I2C Switch IC	1	Texas Instruments	TCA9548APWR	U23, U24	LDO Voltage Regulator	2	Texas Instruments	TPS7A0533PDBVR	U20	Logic Gate (NAND)	1	Texas Instruments	SN74HCS00PWR	U18	Logic Gate (NOR)	1	Texas Instruments	SN74HCS7002QPWRQ1	U19	Logic Gate (OR)	1	Texas Instruments	SN74HCS32PWR	J2	Memory Card Connectors	1	Molex	47219-2001	U11	MFF2 SIM Chip	1			C56, C57	Multilayer Ceramic Capacitor	2	AVX	04026C102MAT2A	C34, C101, C103	Multilayer Ceramic Capacitor	3	Murata Electronics	GRM153R60J105ME95D	C2, C3, C4, C6, C10, C13, C27, C30, C31, C47, C59, C60, C63, C64, C69, C73, C74, C75, C76, C77, C78, C81, C82, C92, C93, C94, C95, C96, C97, C102, C104, C109, C111, C112, C118, C119, C124, C128, C129, C130, C131, C132, C133, C134, C135, C138, C139	Multilayer Ceramic Capacitor	47	Kemet	C0402C330J9RACAUTO	C9, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C37, C38, C39, C46, C51, C52, C53, C54, C65, C66, C67, C120, C121, C123, C125, C126, C127	Multilayer Ceramic Capacitor	30	Kemet	C0402C330J9RACAUTO	C1, C5, C7, C8, C11, C12, C26, C28, C29, C32, C33, C42, C43, C44, C48, C49, C50, C58, C61, C70, C71, C72, C79, C80, C83, C84, C85, C88, C89, C90, C91, C98, C106, C107, C108, C110, C115, C116, C117	Multilayer Ceramic Capacitor	39	AVX	04026D104KAT4A	C45, C62, C68	Multilayer Ceramic Capacitors	3	Kemet	C0402C475M9PACTU	C35, C36, C40, C41	Multilayer Ceramic Capacitors	4	Kemet	CBR04C130F5GAC	C55, C122	Multilayer Ceramic Capacitors	2	AVX	04026C474KAT2A	C100	Multilayer Ceramic Capacitors	1	AVX	04026C474KAT2A	C136, C137	Multilayer Ceramic Capacitors	2	Vishay	VJ0402Y332KXQCW1BC	U3, U9	Nanopower Timer IC	2	Texas Instruments		U2, U4	Power Switch	2	Texas Instruments	TPS22917DBVR	U6	Real Time Clock	1	Micro Crystal	RV-3028-C7	J3	SIM Holder Tray	1	Molex	47388-2001	D2, D3, D4, D5, D6, D7, D8	SMD LED (Blue)	7	ROHM Semiconductor	SMLP13BC8TT86	U14	SPI Switch IC	1	Texas Instruments	SN3257QPWRQ1	C99, C113, C114	Tantalum Capacitor	3	AVX	F380J106MMAAH3	C105	Tantalum Capacitor	1	AVX	F380J476MMAAXEH3	R23, R25, R28, R30, R34, R48, R64	Thick Film Resistor	7	Vishay	CRCW04020000Z0ED	R32	Thick Film Resistor	1	Vishay	CRCW04021K00FKED	R74	Thick Film Resistor	1	Vishay	CRCW04022K70FKED	R1, R2, R5, R6, R18, R19, R31, R40, R45, R46, R47, R49, R51, R52, R53, R54, R63, R65, R71, R72, R83, R85, R86, R87, R88, R89, R90	Thick Film Resistor	27	Vishay	CRCW040210K0FKED	R3, R8, R20, R26, R27, R29, R33, R37, R41, R42, R43, R44, R50, R55, R56, R57, R58, R59, R60, R61, R62, R67, R70, R75, R76, R77, R78, R79, R80, R81, R84, R91	Thick Film Resistor	32	Vishay	CRCW040247K0FKED	R10, R12, R14, R16, R24, R39	Thick Film Resistor	6	Vishay	CRCW040247K0FKED	R68	Thick Film Resistor	1	Vishay	CRCW040291K0FKED	R66	Thick Film Resistor	1	Vishay	CRCW0402100KFKED	R7, R35, R36	Thick Film Resistor	3	Vishay	CRCW0402249KFKED	R4, R9, R11, R13, R15, R22, R38	Thick Film Resistor	7	Vishay	CRCW0402330RFKED	R17, R21, R82	Thick Film Resistor	3	Vishay	CRCW0402330RFKED	R69	Thick Film Resistor	1	Vishay	CRCW0402604KFKED	U7	Voltage Level Shifter	1	Texas Instruments	SN74AVCH4T245RGYR	1
Designator	Comment	Quantity	Manufacturer Name	Manufacturer Part Number																																																																																																																																																																																																																																																																																																																																																								
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J6	4P SMD Tunic Connector	1	Molex	53261-0471																																																																																																																																																																																																																																																																																																																																																								
J4	6P Tunic Connector	1	Molex	53261-0671																																																																																																																																																																																																																																																																																																																																																								
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C86, C87	Aluminium Organic Polymer Capacitors	2	Panasonic	16SVPC39MV																																																																																																																																																																																																																																																																																																																																																								
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U25	Battery Management IC	1	Diodes Incorporated	AP9211S-AE-HAC-7																																																																																																																																																																																																																																																																																																																																																								
Q1, Q2, Q3, Q4, Q5, Q6, Q8	Bipolar NPN Transistors	7	Nexperia	BC847AQAZ																																																																																																																																																																																																																																																																																																																																																								
Q7, Q9, Q10	Bipolar NPN Transistors	3	Nexperia	BC847AQAZ																																																																																																																																																																																																																																																																																																																																																								
U5	Board Mount Pressure Sensors	1	NXP Semiconductors	MPL3115A2R1																																																																																																																																																																																																																																																																																																																																																								
U15	Buck-Boost Converter	1	Texas Instruments	TPS63802DLAT																																																																																																																																																																																																																																																																																																																																																								
U1	Capacitive Sensor	1	Texas Instruments	FDC2112QDNTRQ1																																																																																																																																																																																																																																																																																																																																																								
R73	Current Sense Resistor	1	TT Electronics	OARSXPR010FLF																																																																																																																																																																																																																																																																																																																																																								
D1, D12, D13, D14, D15, D16, D17, D18	ESD Suppressors	8	Bussmann / Eaton	0402ESDA-MLP1																																																																																																																																																																																																																																																																																																																																																								
D9, D10, D11, D19	ESD Suppressors	4	Bussmann / Eaton	0402ESDA-MLP1																																																																																																																																																																																																																																																																																																																																																								
FB1, FB2	Ferrite Bead	2	Murata Electronics	BLM18EG101T21D																																																																																																																																																																																																																																																																																																																																																								
L2, L3	Fixed Inductor	2	Murata Electronics	LQG15HN1N0S02D																																																																																																																																																																																																																																																																																																																																																								
L4, L5	Fixed Inductor	2	Taiyo Yuden	CB2518T102K																																																																																																																																																																																																																																																																																																																																																								
L1	Fixed Inductor	1	Coilcraft	XFL4015-471MEB																																																																																																																																																																																																																																																																																																																																																								
U10	GE910 2G GSM Module	1																																																																																																																																																																																																																																																																																																																																																										
U16	I2C Bus Repeater	1	Texas Instruments	TCA9517ADGKR																																																																																																																																																																																																																																																																																																																																																								
U22	I2C I/O Expander	1	Texas Instruments	PCF8574RGYR																																																																																																																																																																																																																																																																																																																																																								
U17	I2C Switch IC	1	Texas Instruments	TCA9548APWR																																																																																																																																																																																																																																																																																																																																																								
U23, U24	LDO Voltage Regulator	2	Texas Instruments	TPS7A0533PDBVR																																																																																																																																																																																																																																																																																																																																																								
U20	Logic Gate (NAND)	1	Texas Instruments	SN74HCS00PWR																																																																																																																																																																																																																																																																																																																																																								
U18	Logic Gate (NOR)	1	Texas Instruments	SN74HCS7002QPWRQ1																																																																																																																																																																																																																																																																																																																																																								
U19	Logic Gate (OR)	1	Texas Instruments	SN74HCS32PWR																																																																																																																																																																																																																																																																																																																																																								
J2	Memory Card Connectors	1	Molex	47219-2001																																																																																																																																																																																																																																																																																																																																																								
U11	MFF2 SIM Chip	1																																																																																																																																																																																																																																																																																																																																																										
C56, C57	Multilayer Ceramic Capacitor	2	AVX	04026C102MAT2A																																																																																																																																																																																																																																																																																																																																																								
C34, C101, C103	Multilayer Ceramic Capacitor	3	Murata Electronics	GRM153R60J105ME95D																																																																																																																																																																																																																																																																																																																																																								
C2, C3, C4, C6, C10, C13, C27, C30, C31, C47, C59, C60, C63, C64, C69, C73, C74, C75, C76, C77, C78, C81, C82, C92, C93, C94, C95, C96, C97, C102, C104, C109, C111, C112, C118, C119, C124, C128, C129, C130, C131, C132, C133, C134, C135, C138, C139	Multilayer Ceramic Capacitor	47	Kemet	C0402C330J9RACAUTO																																																																																																																																																																																																																																																																																																																																																								
C9, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C37, C38, C39, C46, C51, C52, C53, C54, C65, C66, C67, C120, C121, C123, C125, C126, C127	Multilayer Ceramic Capacitor	30	Kemet	C0402C330J9RACAUTO																																																																																																																																																																																																																																																																																																																																																								
C1, C5, C7, C8, C11, C12, C26, C28, C29, C32, C33, C42, C43, C44, C48, C49, C50, C58, C61, C70, C71, C72, C79, C80, C83, C84, C85, C88, C89, C90, C91, C98, C106, C107, C108, C110, C115, C116, C117	Multilayer Ceramic Capacitor	39	AVX	04026D104KAT4A																																																																																																																																																																																																																																																																																																																																																								
C45, C62, C68	Multilayer Ceramic Capacitors	3	Kemet	C0402C475M9PACTU																																																																																																																																																																																																																																																																																																																																																								
C35, C36, C40, C41	Multilayer Ceramic Capacitors	4	Kemet	CBR04C130F5GAC																																																																																																																																																																																																																																																																																																																																																								
C55, C122	Multilayer Ceramic Capacitors	2	AVX	04026C474KAT2A																																																																																																																																																																																																																																																																																																																																																								
C100	Multilayer Ceramic Capacitors	1	AVX	04026C474KAT2A																																																																																																																																																																																																																																																																																																																																																								
C136, C137	Multilayer Ceramic Capacitors	2	Vishay	VJ0402Y332KXQCW1BC																																																																																																																																																																																																																																																																																																																																																								
U3, U9	Nanopower Timer IC	2	Texas Instruments																																																																																																																																																																																																																																																																																																																																																									
U2, U4	Power Switch	2	Texas Instruments	TPS22917DBVR																																																																																																																																																																																																																																																																																																																																																								
U6	Real Time Clock	1	Micro Crystal	RV-3028-C7																																																																																																																																																																																																																																																																																																																																																								
J3	SIM Holder Tray	1	Molex	47388-2001																																																																																																																																																																																																																																																																																																																																																								
D2, D3, D4, D5, D6, D7, D8	SMD LED (Blue)	7	ROHM Semiconductor	SMLP13BC8TT86																																																																																																																																																																																																																																																																																																																																																								
U14	SPI Switch IC	1	Texas Instruments	SN3257QPWRQ1																																																																																																																																																																																																																																																																																																																																																								
C99, C113, C114	Tantalum Capacitor	3	AVX	F380J106MMAAH3																																																																																																																																																																																																																																																																																																																																																								
C105	Tantalum Capacitor	1	AVX	F380J476MMAAXEH3																																																																																																																																																																																																																																																																																																																																																								
R23, R25, R28, R30, R34, R48, R64	Thick Film Resistor	7	Vishay	CRCW04020000Z0ED																																																																																																																																																																																																																																																																																																																																																								
R32	Thick Film Resistor	1	Vishay	CRCW04021K00FKED																																																																																																																																																																																																																																																																																																																																																								
R74	Thick Film Resistor	1	Vishay	CRCW04022K70FKED																																																																																																																																																																																																																																																																																																																																																								
R1, R2, R5, R6, R18, R19, R31, R40, R45, R46, R47, R49, R51, R52, R53, R54, R63, R65, R71, R72, R83, R85, R86, R87, R88, R89, R90	Thick Film Resistor	27	Vishay	CRCW040210K0FKED																																																																																																																																																																																																																																																																																																																																																								
R3, R8, R20, R26, R27, R29, R33, R37, R41, R42, R43, R44, R50, R55, R56, R57, R58, R59, R60, R61, R62, R67, R70, R75, R76, R77, R78, R79, R80, R81, R84, R91	Thick Film Resistor	32	Vishay	CRCW040247K0FKED																																																																																																																																																																																																																																																																																																																																																								
R10, R12, R14, R16, R24, R39	Thick Film Resistor	6	Vishay	CRCW040247K0FKED																																																																																																																																																																																																																																																																																																																																																								
R68	Thick Film Resistor	1	Vishay	CRCW040291K0FKED																																																																																																																																																																																																																																																																																																																																																								
R66	Thick Film Resistor	1	Vishay	CRCW0402100KFKED																																																																																																																																																																																																																																																																																																																																																								
R7, R35, R36	Thick Film Resistor	3	Vishay	CRCW0402249KFKED																																																																																																																																																																																																																																																																																																																																																								
R4, R9, R11, R13, R15, R22, R38	Thick Film Resistor	7	Vishay	CRCW0402330RFKED																																																																																																																																																																																																																																																																																																																																																								
R17, R21, R82	Thick Film Resistor	3	Vishay	CRCW0402330RFKED																																																																																																																																																																																																																																																																																																																																																								
R69	Thick Film Resistor	1	Vishay	CRCW0402604KFKED																																																																																																																																																																																																																																																																																																																																																								
U7	Voltage Level Shifter	1	Texas Instruments	SN74AVCH4T245RGYR																																																																																																																																																																																																																																																																																																																																																								
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