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<div>Bill Of Materials</div> <table><tr><th>Line #</th><th>Designator</th><th>Manufacturer Part Number</th><th>Quantity</th><th>Manufacturer</th></tr><tr><td>1</td><td>C1, C4, C8, C9, C50</td><td>C1608X5R1A106K080AC</td><td>5</td><td>TDK</td></tr><tr><td>2</td><td>C2, C3, C14</td><td>EMK107ABJ475KA-T</td><td>3</td><td></td></tr><tr><td>3</td><td>C6</td><td>C1005X5R1E474K050BB</td><td>1</td><td>TDK</td></tr><tr><td>4</td><td>C7</td><td>CC0402KRX5R5BB105</td><td>1</td><td>YAGEO</td></tr><tr><td>5</td><td>C10, C15, C16, C27, C28, C29, C42, C49, C51</td><td>CC0402KRX7R7BB104</td><td>9</td><td>YAGEO</td></tr><tr><td>6</td><td>C12</td><td>04025A101JAT2A</td><td>1</td><td></td></tr><tr><td>7</td><td>C13, C24, C25, C26, C40, C43, C45</td><td>C1608X7R1C105K080AC</td><td>7</td><td></td></tr><tr><td>8</td><td>C17</td><td>GJM1555C1HR80WB01D</td><td>1</td><td></td></tr><tr><td>9</td><td>C18, C19, C20, C21, C32, C33, C34, C36, C37, C38, C41</td><td>GJM1555C1H120GB01D</td><td>11</td><td></td></tr><tr><td>10</td><td>C22, C30</td><td>C2012X5R1A336M125AC</td><td>2</td><td></td></tr><tr><td>11</td><td>C23, C31, C35, C44</td><td>GRM1555C1H102JA01D</td><td>4</td><td></td></tr><tr><td>12</td><td>C39</td><td>C1608X5R1A106K080AC</td><td>1</td><td></td></tr><tr><td>13</td><td>C47, C48</td><td>CGA3E1X5R1C225K080AC</td><td>2</td><td></td></tr><tr><td>14</td><td>D1, D2</td><td>APHD1608LZGCK</td><td>2</td><td></td></tr><tr><td>15</td><td>E1</td><td>ANT-2.45-CHP-T</td><td>1</td><td></td></tr><tr><td>16</td><td>FB1, FB2, FB3</td><td>BLM03AX800SN1D</td><td>3</td><td>Murata</td></tr><tr><td>17</td><td>J1</td><td>629105136821</td><td>1</td><td>Wurth Elektronik</td></tr><tr><td>18</td><td>J2</td><td>DF52-2S-0.8H(21)</td><td>1</td><td></td></tr><tr><td>19</td><td>J3, J4</td><td>LSHM-120-02.5-L-DV-A-N-K-TR</td><td>2</td><td>Samtec</td></tr><tr><td>20</td><td>J5</td><td>DF52-6S-0.8H(21)</td><td>1</td><td></td></tr><tr><td>21</td><td>L1, L2</td><td>DFE201612E-2R2M=P2</td><td>2</td><td>Murata Electronics</td></tr><tr><td>22</td><td>L3</td><td>L0603B100KDWFT</td><td>1</td><td>KEMET</td></tr><tr><td>23</td><td>L4</td><td>LQW15AN15NJ00D</td><td>1</td><td></td></tr><tr><td>24</td><td>L5</td><td>LQG15HS3N9B02D</td><td>1</td><td>Murata</td></tr><tr><td>25</td><td>L8, L9, L10, L11</td><td>742792040</td><td>4</td><td></td></tr><tr><td>26</td><td>P1, P2</td><td>GRPB031VWVN-RC</td><td>2</td><td>Sullins</td></tr><tr><td>27</td><td>PJ1</td><td>5051100892</td><td>1</td><td></td></tr><tr><td>28</td><td>R1, R5, R6, R8, R9, R10, R11, R13</td><td>ERJ-2BWFR100X</td><td>8</td><td></td></tr><tr><td>29</td><td>R2, R19, R20</td><td>CR0402-JW-105GLF</td><td>3</td><td></td></tr><tr><td>30</td><td>R4</td><td>RC0402FR-07453KL</td><td>1</td><td>Yageo</td></tr><tr><td>31</td><td>R7</td><td>RMCF0402FT100K</td><td>1</td><td>Stackpole-Electronics-Inc.</td></tr><tr><td>32</td><td>R12</td><td>CRCW0402267KFKED</td><td>1</td><td>Vishay Dale</td></tr><tr><td>33</td><td>R14</td><td>RC0402FR-0711K5L</td><td>1</td><td>Yageo / Phycomp</td></tr><tr><td>34</td><td>R15, R34</td><td>RC0402JR-070RL</td><td>2</td><td>Yageo / Phycomp</td></tr><tr><td>35</td><td>R16, R17</td><td>TNPW040210K0BEED</td><td>2</td><td>Vishay</td></tr><tr><td>36</td><td>R18</td><td>CSRF0402FT10L0</td><td>1</td><td></td></tr><tr><td>37</td><td>R22, R35</td><td>CR0402-J/-000GLF</td><td>2</td><td></td></tr><tr><td>38</td><td>R23, R27</td><td>CPF0402B324RE1</td><td>2</td><td>TE Connectivity / AMP</td></tr><tr><td>39</td><td>R24, R25</td><td>CRCW04021M00FKED</td><td>2</td><td></td></tr><tr><td>40</td><td>R26, R28</td><td>RC0402JR-0722RL</td><td>2</td><td>Yageo / Phycomp</td></tr><tr><td>41</td><td>R29</td><td>CRCW040247K0FKED</td><td>1</td><td></td></tr><tr><td>42</td><td>R30</td><td>RC0603FR-07806RL</td><td>1</td><td>Yageo</td></tr><tr><td>43</td><td>R31</td><td>RC0603FR-071K82L</td><td>1</td><td>Yageo</td></tr><tr><td>44</td><td>R36</td><td>RC0603FR-0724K9L</td><td>1</td><td>Yageo</td></tr><tr><td>45</td><td>R37, R38</td><td>RC0603FR-072ML</td><td>2</td><td>YAEGO</td></tr><tr><td>46</td><td>SW1</td><td>5051100692</td><td>1</td><td></td></tr><tr><td>47</td><td>U1</td><td>TLV62569PDRLR</td><td>1</td><td>Texas Instruments</td></tr><tr><td>48</td><td>U2</td><td>TPS62840YBGR</td><td>1</td><td>Texas Instruments</td></tr><tr><td>49</td><td>U3</td><td>BQ27441DRZT-G1B</td><td>1</td><td>Texas Instruments</td></tr><tr><td>50</td><td>U4</td><td>NRF52832-QFAA-R</td><td>1</td><td>Nordic Semiconductor</td></tr><tr><td>51</td><td>U5</td><td>MSP430FR5043IRGCT</td><td>1</td><td></td></tr><tr><td>52</td><td>U6</td><td>XC8102AA01MR-G</td><td>1</td><td></td></tr><tr><td>53</td><td>U7</td><td>OPA836IDBVT</td><td>1</td><td>Texas Instruments</td></tr><tr><td>54</td><td>U8</td><td>IIS2DHTR</td><td>1</td><td>STMicroelectronics</td></tr><tr><td>55</td><td>X1</td><td>ABS07AIG-32.768KHZ-9-1-T</td><td>1</td><td></td></tr><tr><td>56</td><td>X2</td><td>FA-128 32.0000MF10Z-AJ3</td><td>1</td><td></td></tr><tr><td>57</td><td>X3</td><td>FY0800018</td><td>1</td><td>Diodes</td></tr><tr><td>58</td><td>X4</td><td>ABS07-32.768KHZ-9-T</td><td>1</td><td>Abracon</td></tr><tr><td>59</td><td>Y1</td><td>AWSCR-8.00CV-T</td><td>1</td><td></td></tr></table>								Line #	Designator	Manufacturer Part Number	Quantity	Manufacturer	1	C1, C4, C8, C9, C50	C1608X5R1A106K080AC	5	TDK	2	C2, C3, C14	EMK107ABJ475KA-T	3		3	C6	C1005X5R1E474K050BB	1	TDK	4	C7	CC0402KRX5R5BB105	1	YAGEO	5	C10, C15, C16, C27, C28, C29, C42, C49, C51	CC0402KRX7R7BB104	9	YAGEO	6	C12	04025A101JAT2A	1		7	C13, C24, C25, C26, C40, C43, C45	C1608X7R1C105K080AC	7		8	C17	GJM1555C1HR80WB01D	1		9	C18, C19, C20, C21, C32, C33, C34, C36, C37, C38, C41	GJM1555C1H120GB01D	11		10	C22, C30	C2012X5R1A336M125AC	2		11	C23, C31, C35, C44	GRM1555C1H102JA01D	4		12	C39	C1608X5R1A106K080AC	1		13	C47, C48	CGA3E1X5R1C225K080AC	2		14	D1, D2	APHD1608LZGCK	2		15	E1	ANT-2.45-CHP-T	1		16	FB1, FB2, FB3	BLM03AX800SN1D	3	Murata	17	J1	629105136821	1	Wurth Elektronik	18	J2	DF52-2S-0.8H(21)	1		19	J3, J4	LSHM-120-02.5-L-DV-A-N-K-TR	2	Samtec	20	J5	DF52-6S-0.8H(21)	1		21	L1, L2	DFE201612E-2R2M=P2	2	Murata Electronics	22	L3	L0603B100KDWFT	1	KEMET	23	L4	LQW15AN15NJ00D	1		24	L5	LQG15HS3N9B02D	1	Murata	25	L8, L9, L10, L11	742792040	4		26	P1, P2	GRPB031VWVN-RC	2	Sullins	27	PJ1	5051100892	1		28	R1, R5, R6, R8, R9, R10, R11, R13	ERJ-2BWFR100X	8		29	R2, R19, R20	CR0402-JW-105GLF	3		30	R4	RC0402FR-07453KL	1	Yageo	31	R7	RMCF0402FT100K	1	Stackpole-Electronics-Inc.	32	R12	CRCW0402267KFKED	1	Vishay Dale	33	R14	RC0402FR-0711K5L	1	Yageo / Phycomp	34	R15, R34	RC0402JR-070RL	2	Yageo / Phycomp	35	R16, R17	TNPW040210K0BEED	2	Vishay	36	R18	CSRF0402FT10L0	1		37	R22, R35	CR0402-J/-000GLF	2		38	R23, R27	CPF0402B324RE1	2	TE Connectivity / AMP	39	R24, R25	CRCW04021M00FKED	2		40	R26, R28	RC0402JR-0722RL	2	Yageo / Phycomp	41	R29	CRCW040247K0FKED	1		42	R30	RC0603FR-07806RL	1	Yageo	43	R31	RC0603FR-071K82L	1	Yageo	44	R36	RC0603FR-0724K9L	1	Yageo	45	R37, R38	RC0603FR-072ML	2	YAEGO	46	SW1	5051100692	1		47	U1	TLV62569PDRLR	1	Texas Instruments	48	U2	TPS62840YBGR	1	Texas Instruments	49	U3	BQ27441DRZT-G1B	1	Texas Instruments	50	U4	NRF52832-QFAA-R	1	Nordic Semiconductor	51	U5	MSP430FR5043IRGCT	1		52	U6	XC8102AA01MR-G	1		53	U7	OPA836IDBVT	1	Texas Instruments	54	U8	IIS2DHTR	1	STMicroelectronics	55	X1	ABS07AIG-32.768KHZ-9-1-T	1		56	X2	FA-128 32.0000MF10Z-AJ3	1		57	X3	FY0800018	1	Diodes	58	X4	ABS07-32.768KHZ-9-T	1	Abracon	59	Y1	AWSCR-8.00CV-T	1	
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3	C6	C1005X5R1E474K050BB	1	TDK																																																																																																																																																																																																																																																																																																															
4	C7	CC0402KRX5R5BB105	1	YAGEO																																																																																																																																																																																																																																																																																																															
5	C10, C15, C16, C27, C28, C29, C42, C49, C51	CC0402KRX7R7BB104	9	YAGEO																																																																																																																																																																																																																																																																																																															
6	C12	04025A101JAT2A	1																																																																																																																																																																																																																																																																																																																
7	C13, C24, C25, C26, C40, C43, C45	C1608X7R1C105K080AC	7																																																																																																																																																																																																																																																																																																																
8	C17	GJM1555C1HR80WB01D	1																																																																																																																																																																																																																																																																																																																
9	C18, C19, C20, C21, C32, C33, C34, C36, C37, C38, C41	GJM1555C1H120GB01D	11																																																																																																																																																																																																																																																																																																																
10	C22, C30	C2012X5R1A336M125AC	2																																																																																																																																																																																																																																																																																																																
11	C23, C31, C35, C44	GRM1555C1H102JA01D	4																																																																																																																																																																																																																																																																																																																
12	C39	C1608X5R1A106K080AC	1																																																																																																																																																																																																																																																																																																																
13	C47, C48	CGA3E1X5R1C225K080AC	2																																																																																																																																																																																																																																																																																																																
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15	E1	ANT-2.45-CHP-T	1																																																																																																																																																																																																																																																																																																																
16	FB1, FB2, FB3	BLM03AX800SN1D	3	Murata																																																																																																																																																																																																																																																																																																															
17	J1	629105136821	1	Wurth Elektronik																																																																																																																																																																																																																																																																																																															
18	J2	DF52-2S-0.8H(21)	1																																																																																																																																																																																																																																																																																																																
19	J3, J4	LSHM-120-02.5-L-DV-A-N-K-TR	2	Samtec																																																																																																																																																																																																																																																																																																															
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22	L3	L0603B100KDWFT	1	KEMET																																																																																																																																																																																																																																																																																																															
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24	L5	LQG15HS3N9B02D	1	Murata																																																																																																																																																																																																																																																																																																															
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32	R12	CRCW0402267KFKED	1	Vishay Dale																																																																																																																																																																																																																																																																																																															
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35	R16, R17	TNPW040210K0BEED	2	Vishay																																																																																																																																																																																																																																																																																																															
36	R18	CSRF0402FT10L0	1																																																																																																																																																																																																																																																																																																																
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38	R23, R27	CPF0402B324RE1	2	TE Connectivity / AMP																																																																																																																																																																																																																																																																																																															
39	R24, R25	CRCW04021M00FKED	2																																																																																																																																																																																																																																																																																																																
40	R26, R28	RC0402JR-0722RL	2	Yageo / Phycomp																																																																																																																																																																																																																																																																																																															
41	R29	CRCW040247K0FKED	1																																																																																																																																																																																																																																																																																																																
42	R30	RC0603FR-07806RL	1	Yageo																																																																																																																																																																																																																																																																																																															
43	R31	RC0603FR-071K82L	1	Yageo																																																																																																																																																																																																																																																																																																															
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45	R37, R38	RC0603FR-072ML	2	YAEGO																																																																																																																																																																																																																																																																																																															
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47	U1	TLV62569PDRLR	1	Texas Instruments																																																																																																																																																																																																																																																																																																															
48	U2	TPS62840YBGR	1	Texas Instruments																																																																																																																																																																																																																																																																																																															
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