

E-Item : 80038780 LINKS3050 VER1.0 BOM Unit : 1 ea
 Revision : 004 GOSSJ: R

Level	Pos.	Component	Description	Component Type	Revision	Length [m]	Width [m]	No. of Units	Net Quantity	Un.	Extra Info
1	10	18000055	EMU RECEIVER BOX	Item					1.0000	ea	
1	20	18002325	THERMAL TRANSFER LABEL 2" X	Item					1.0000	ea	
+-BOM Text -----+ SKYROUTE CL3050 Ver1.0 Made in Canada 80038780 +-----+											
1	30	29034531	LINKS3050 V1.0 INST MANUAL	E-Item	001				1.0000	ea	
1	40	57000012	DI-50/BRAVO (S.) HARDWARE PA	Item	0				1.0000	ea	
1	50	57000722	RESISTOR PACK W/2 5K6 RESIST	Item	001				2.0000	ea	
1	60	70007741	LINKS3050 V1.0 FINAL ASSEMBL	E-Item	003				1.0000	ea	
.2	10	08001525	GTWL000; SIDE INSERT-2 (SMAL	E-Item	001				1.0000	ea	
.2	20	08001526	GTWL000; SIDE INSERT-1 (MEDI	E-Item	001				2.0000	ea	
.2	30	08001527	GTWL000; SIDE INSERT-3 (LARG	E-Item	001				1.0000	ea	
.2	40	08001528	GTWL000; LED PIPE; CLEAR PLA	E-Item	001				1.0000	ea	
.2	50	08001529	GTWL000; BATTERY RETAINER; C	E-Item	001				1.0000	ea	
.2	60	08005068	CP1032 SKYROUTE CL3050 56mm	E-Item	001				1.0000	ea	
...3	10	08005065	LINKS 3050 BOX; TOP AND BOTT	E-Item	1				1.0000	ea	
...4	10	08001530	GTWL000; TOP BOX; WHITE PLAS	E-Item	001				1.0000	ea	
...4	20	08001531	GTWL000; BOTTOM BOX WITH HOL	E-Item	001				1.0000	ea	
.2	61	36000068	CP1033 DSC LOGO PP 33mmW 1C	E-Item	001				0.0000	ea	
.2	70	12000054	SCREW #4X1/2" PAN PHILLIPS T	Item					1.0000	ea	
.2	80	12000188	SCREW 4-40X1/4" PAN PHILLIPS	Item					8.0000	ea	
.2	90	12000621	SC #4 X 1/4" PHILLIPS PAN HE	Item	001				4.0000	ea	
.2	100	12000623	HEX METAL STANDOFF H=7/16" W	Item	001				4.0000	ea	
.2	110	70007740	LINKS3050 UA366 REV01 V1.0	E-Item	004				1.0000	ea	
...3	10	73-01145	LINKS3050 UA366 REV01	E-Item	006				1.0000	ea	
...4	10	11002349	LINKS 3050 (UA366) REV01	E-Item	001				1.0000	ea	PCB
...4	20	01000227	3.9K OHM 1/10W 5% SMD (0805)	Item					1.0000	ea	TOP
+-----+ Location Net Quantity +-----+ R1 1.0000 +-----+											
...4	30	01000235	1.8K OHM 1/10W 5% SMD (0805)	Item					1.0000	ea	TOP
+-----+ Location Net Quantity +-----+ R15 1.0000 +-----+											
...4	40	01000298	8.2 OHM 1/10W 5% SMD (0805)	Item					4.0000	ea	TOP
+-----+ Location Net Quantity +-----+ R5 1.0000 R7 1.0000 R8 1.0000 R9 1.0000 +-----+											
...4	50	01000339	2K OHM 1/10W 5% SMD (0805) R	Item					1.0000	ea	TOP

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Level	Pos.	Component	Description	Component Type	Revision	Length [m]	Width [m]	No. of Units	Net Quantity	Un.	Extra Info																																
...	4	60 01000781	20R 1/10W 5% SMD (0805)	Item					4.0000	ea	TOP																																
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr> <td>R14</td> <td>1.0000</td> </tr> </tbody> </table>												Location	Net Quantity	R14	1.0000																												
Location	Net Quantity																																										
R14	1.0000																																										
...	4	70 01000931	1.5K OHM 1/10W 5% SMD	Item	001				1.0000	ea	TOP																																
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr> <td>R26</td> <td>1.0000</td> </tr> </tbody> </table>												Location	Net Quantity	R26	1.0000																												
Location	Net Quantity																																										
R26	1.0000																																										
...	4	80 01000936	10 OHM 1/10W 5% SMD	Item	001				1.0000	ea	TOP																																
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr> <td>R35</td> <td>1.0000</td> </tr> </tbody> </table>												Location	Net Quantity	R35	1.0000																												
Location	Net Quantity																																										
R35	1.0000																																										
...	4	90 01000938	100K OHM 1/10W 5% SMD	Item	001				3.0000	ea	TOP																																
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr> <td>R22</td> <td>1.0000</td> </tr> <tr> <td>R23</td> <td>1.0000</td> </tr> <tr> <td>R31</td> <td>1.0000</td> </tr> </tbody> </table>												Location	Net Quantity	R22	1.0000	R23	1.0000	R31	1.0000																								
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R22	1.0000																																										
R23	1.0000																																										
R31	1.0000																																										
...	4	100 01000941	10K OHM 1/10W 5% SMD	Item	001				15.0000	ea	TOP																																
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr> <td>R2</td> <td>1.0000</td> </tr> <tr> <td>R30</td> <td>1.0000</td> </tr> <tr> <td>R33</td> <td>1.0000</td> </tr> <tr> <td>R36</td> <td>1.0000</td> </tr> <tr> <td>R37</td> <td>1.0000</td> </tr> <tr> <td>R38</td> <td>1.0000</td> </tr> <tr> <td>R40</td> <td>1.0000</td> </tr> <tr> <td>R47</td> <td>1.0000</td> </tr> <tr> <td>R48</td> <td>1.0000</td> </tr> <tr> <td>R49</td> <td>1.0000</td> </tr> <tr> <td>R55</td> <td>1.0000</td> </tr> <tr> <td>R56</td> <td>1.0000</td> </tr> <tr> <td>R6</td> <td>1.0000</td> </tr> <tr> <td>R60</td> <td>1.0000</td> </tr> <tr> <td>R63</td> <td>1.0000</td> </tr> </tbody> </table>												Location	Net Quantity	R2	1.0000	R30	1.0000	R33	1.0000	R36	1.0000	R37	1.0000	R38	1.0000	R40	1.0000	R47	1.0000	R48	1.0000	R49	1.0000	R55	1.0000	R56	1.0000	R6	1.0000	R60	1.0000	R63	1.0000
Location	Net Quantity																																										
R2	1.0000																																										
R30	1.0000																																										
R33	1.0000																																										
R36	1.0000																																										
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R38	1.0000																																										
R40	1.0000																																										
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...	4	110 01000946	15K OHM 1/10W 5% SMD	(0 Item	001				2.0000	ea	TOP
			Location						Net Quantity		
			R4						1.0000		
			R71						1.0000		
...	4	120 01000949	1K OHM 1/10W 5% SMD	(06 Item	001				5.0000	ea	TOP
			Location						Net Quantity		
			R11						1.0000		
			R20						1.0000		
			R21						1.0000		
			R27						1.0000		
			R29						1.0000		
...	4	130 01000951	2.2K OHM 1/10W 5% SMD	(Item	001				3.0000	ea	TOP
			Location						Net Quantity		
			R18						1.0000		
			R43						1.0000		
			R65						1.0000		
...	4	140 01000976	470 OHM 1/10W 5% SMD	(0 Item	001				3.0000	ea	TOP
			Location						Net Quantity		
			R66						1.0000		
			R68						1.0000		
			R70						1.0000		
...	4	150 01001102	10MEG OHM 1/10W 5% SMD	(0603 E-Item	001				1.0000	ea	TOP
			Location						Net Quantity		
			R72						1.0000		
...	4	160 01000966	3.3K OHM 1/10W 5% SMD	(Item	001				1.0000	ea	TOP
			Location						Net Quantity		
			R34						1.0000		
...	4	170 01000968	3.9K OHM 1/10W 5% SMD	(Item	001				1.0000	ea	TOP
			Location						Net Quantity		

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Level	Pos.	Component	Description	Component Type	Revision	Length [m]	Width [m]	No. of Units	Net Quantity	Un.	Extra Info
...	180	01000977	47K OHM 1/10W 5% SMD	(0)	Item	001			6.0000	ea	TOP
			Location			Net Quantity					
			R10			1.0000					
...	190	16000063	Micro Mini Pushbutton Sw.	wi	Item				1.0000	ea	TOP
			Location			Net Quantity					
			SW2			1.0000					
...	200	01000986	680 OHM 1/10W 5% SMD	(0)	Item	001			2.0000	ea	TOP
			Location			Net Quantity					
			R17			1.0000					
			R19			1.0000					
...	210	01000989	82 OHM 1/10W 5% SMD	(0603)	R	Item	001		2.0000	ea	TOP
			Location			Net Quantity					
			R16			1.0000					
			R28			1.0000					
...	220	01001078	806 OHM 1% 1/10W SMD	(0805)	Item	001			1.0000	ea	TOP
			Location			Net Quantity					
			R13			1.0000					
...	230	01001079	1K OHM 1% 1/10W SMD	(0805)	R	Item	001		1.0000	ea	TOP
			Location			Net Quantity					
			R24			1.0000					
...	240	01001121	220K OHM 1/10W 5% SMD	(0603)	Item	001			1.0000	ea	TOP
			Location			Net Quantity					
			R32			1.0000					

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Level	Pos.	Component	Description	Component Type	Revision	Length [m]	Width [m]	No. of Units	Net Quantity	Un.	Extra Info								
...	4	250 01001128	47 OHM 1/10W 5%; SMD (0603);	Item	001				3.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>R53</td> <td>1.0000</td> </tr> <tr> <td>R57</td> <td>1.0000</td> </tr> <tr> <td>R58</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	R53	1.0000	R57	1.0000	R58	1.0000
Location	Net Quantity																		
R53	1.0000																		
R57	1.0000																		
R58	1.0000																		
...	4	260 02000026	POTENTIOMETER 10K HORIZONTAL	Item					1.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>RV1</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	RV1	1.0000				
Location	Net Quantity																		
RV1	1.0000																		
...	4	270 03000014	100NF 10% -40~+85C AXIAL 50	Item					1.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>C4</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	C4	1.0000				
Location	Net Quantity																		
C4	1.0000																		
...	4	280 03000034	1000UF 20% -40~+85C RAD 25V	Item					1.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>C6</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	C6	1.0000				
Location	Net Quantity																		
C6	1.0000																		
...	4	290 03000531	CAP. 10UF 16V SMD. 4MMD X 5.	Item					1.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>C11</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	C11	1.0000				
Location	Net Quantity																		
C11	1.0000																		
...	4	300 03000568	1000UF/16V ELECTROLYTIC RADI	Item					1.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>C3</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	C3	1.0000				
Location	Net Quantity																		
C3	1.0000																		
...	4	310 03000641	33PF/50V 10% SMD (0603); MUL	Item	001				2.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> <tr> <td>C13</td> <td>1.0000</td> </tr> <tr> <td>C17</td> <td>1.0000</td> </tr> </table>												Location	Net Quantity	C13	1.0000	C17	1.0000		
Location	Net Quantity																		
C13	1.0000																		
C17	1.0000																		
...	4	320 03000627	100nF/50V 10% SMD (0603) ;	Item	001				8.0000	ea	TOP								
<table border="1"> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </table>												Location	Net Quantity						
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<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>C1</td><td>1.0000</td></tr> <tr><td>C10</td><td>1.0000</td></tr> <tr><td>C12</td><td>1.0000</td></tr> <tr><td>C15</td><td>1.0000</td></tr> <tr><td>C18</td><td>1.0000</td></tr> <tr><td>C2</td><td>1.0000</td></tr> <tr><td>C8</td><td>1.0000</td></tr> <tr><td>C9</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	C1	1.0000	C10	1.0000	C12	1.0000	C15	1.0000	C18	1.0000	C2	1.0000	C8	1.0000	C9	1.0000				
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C1	1.0000																																
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C12	1.0000																																
C15	1.0000																																
C18	1.0000																																
C2	1.0000																																
C8	1.0000																																
C9	1.0000																																
...4	330	03000686	10NF/50V SMD (0603) X7R 10%;	Item	001				1.0000	ea	TOP																						
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>C19</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	C19	1.0000																		
Location	Net Quantity																																
C19	1.0000																																
...4	340	04000015	P-CHANNEL POWER MOSFET TO-22	Item					1.0000	ea	TOP																						
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>Q15</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	Q15	1.0000																		
Location	Net Quantity																																
Q15	1.0000																																
...4	350	04000037	PNP 6A POWER TRANS. TO-220AB	Item					1.0000	ea	TOP																						
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>Q1</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	Q1	1.0000																		
Location	Net Quantity																																
Q1	1.0000																																
...4	360	04000053	TRANSISTOR SMD BCX69 PNP	Item					1.0000	ea	TOP																						
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>Q2</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	Q2	1.0000																		
Location	Net Quantity																																
Q2	1.0000																																
...4	370	04000071	MMBT4401; BJT NPN SOT23; VCE	Item					10.0000	ea	TOP																						
<table border="1"> <thead> <tr> <th>Location</th> <th>Net Quantity</th> </tr> </thead> <tbody> <tr><td>Q12</td><td>1.0000</td></tr> <tr><td>Q13</td><td>1.0000</td></tr> <tr><td>Q14</td><td>1.0000</td></tr> <tr><td>Q16</td><td>1.0000</td></tr> <tr><td>Q17</td><td>1.0000</td></tr> <tr><td>Q5</td><td>1.0000</td></tr> <tr><td>Q6</td><td>1.0000</td></tr> <tr><td>Q7</td><td>1.0000</td></tr> <tr><td>Q8</td><td>1.0000</td></tr> <tr><td>Q9</td><td>1.0000</td></tr> </tbody> </table>												Location	Net Quantity	Q12	1.0000	Q13	1.0000	Q14	1.0000	Q16	1.0000	Q17	1.0000	Q5	1.0000	Q6	1.0000	Q7	1.0000	Q8	1.0000	Q9	1.0000
Location	Net Quantity																																
Q12	1.0000																																
Q13	1.0000																																
Q14	1.0000																																
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Q17	1.0000																																
Q5	1.0000																																
Q6	1.0000																																
Q7	1.0000																																
Q8	1.0000																																
Q9	1.0000																																
...4	380	04000072	PNP SMD SWITCHING TRANS SOT-	Item					2.0000	ea	TOP																						

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Location	Net Quantity
CON4	1.0000

+--BOM Text -----+
 | Development use only, remove from final production BOM. |

...4	540	15000001	MOV 39ZR 5MM TR	Item					2.0000	ea	TOP
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Location	Net Quantity
MV1	1.0000
MV2	1.0000

...4	550	15000051	PTC 2.5A Hold 5A Trip 30V ma	Item					1.0000	ea	TOP
------	-----	----------	------------------------------	------	--	--	--	--	--------	----	-----

Location	Net Quantity
PTC1	1.0000

...4	560	16000199	SPST RIGHT ANGLE PUSH BUTTON	Item	002				1.0000	ea	TOP
------	-----	----------	------------------------------	------	-----	--	--	--	--------	----	-----

Location	Net Quantity
SW1	1.0000

...4	570	19000767	18 AWG RED 34 CM WITH CONN	Item					1.0000	ea	TOP
------	-----	----------	----------------------------	------	--	--	--	--	--------	----	-----

Location	Net Quantity
CON1	1.0000

...4	580	19000768	18 AWG BLACK 34 CM WITH CONN	Item					1.0000	ea	TOP
------	-----	----------	------------------------------	------	--	--	--	--	--------	----	-----

Location	Net Quantity
CON2	1.0000

...4	590	22000108	16MHz 20 pF CRYSTAL 30PPM@25	Item					1.0000	ea	TOP
------	-----	----------	------------------------------	------	--	--	--	--	--------	----	-----

Location	Net Quantity
XTL1	1.0000

...4	600	05000327	553-0120; GREEN LED CIRCUIT	E-Item	1				1.0000	ea	TOP
------	-----	----------	-----------------------------	--------	---	--	--	--	--------	----	-----

Location	Net Quantity
LED1	1.0000

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+-BOM Text ----- Mount LED so plastic housing is at edge of PCB -----											
...4	610	05000329	553-0130; YELLOW LED CIRCUIT	E-Item	1				1.0000	ea	TOP
----- Location Net Quantity ----- LED2 1.0000 -----											
+-BOM Text ----- Mount LED so plastic housing is at edge of PCB -----											
...4	620	05000328	553-0110; RED LED CIRCUIT BO	E-Item	1				1.0000	ea	TOP
----- Location Net Quantity ----- LED3 1.0000 -----											
+-BOM Text ----- Mount LED so plsatic housing is at edge of PCB -----											
...4	630	12000756	TAMPER SPRING; 16T OF 55-60	E-Item	001				1.0000	ea	
----- Location Net Quantity ----- SW2 1.0000 -----											
...4	640	12000166	RIVET SCREW HEX 3.5mm	Item					1.0000	ea	TOP
----- Location Net Quantity ----- Q1 1.0000 -----											
...4	650	05000195	DIODE SMD (MELF) DL4007 1A,	Item					1.0000	ea	TOP
----- Location Net Quantity ----- D6 1.0000 -----											
...4	660	01001007	150 OHM 5% 1/16W SMD (0603)	E-Item	001				1.0000	ea	TOP
----- Location Net Quantity ----- R25 1.0000 -----											
.2	120	88000020	BD1.3-6W; 6V@1.3AH SEALED LE	E-Item	001				1.0000	ea	
.2	130	88016008	CMM7700; CELLULAR MODEM MODU	E-Item	001				1.0000	ea	
1	70	88016007	CELLULAR ANTENNA; 824-896MH	E-Item	001				1.0000	ea	