







电信NB模块型号——LSD4NBN-LB05000002  
移动NB模块型号——LSD4NBN-LB08000002

PCB名称: TELUS定位器		PCB型号: LSD4SA-NBK000001	
立项编号: 1704151A		PCB版本: V01	
制图人员: 杨彬	制图日期: 180607	纸张型号: A3	lierda® 利尔达科技集团
审核人员:	审核日期:	共__页 第__页	

Comment	Description	Designator	Footprint	LibRef	Quantity
1000R	1000R/25%/铁氧体 250mA+ 直流阻抗 1.1Ω	B1, B2	0402L_0.4D	1404000053	2
600R	600R/25%/100mA	B3, B4	0201_0.25D	1404000267	2
4.7uF	4.7uF/6.3V/20%/X5R	C1, C3	0402C_0.4D	1405000761	2
105	1uF/6.3V/20%/X5R	C2, C5, C28, C30, C33, C34, C36, C100, C114, C115	0201_0.25D	1405000866	10
104	0.1uF/6.3V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R 0.1uF/10V/10%/X5R	C4, C14, C15, C40, C91, C95, C113, C117, C119	0201_0.25D	1405000823, 1405000947, 1405000947, 1405000947, 1405000947, 1405000947, 1405000947, 1405000947, 1405000947	9
NC	27pF/25V/5%/COG, 1uF/6.3V/20%/X5R, 1uF/6.3V/20%/X5R, 27pF/25V/5%/COG, 27pF/25V/5%/COG, 1uF/6.3V/20%/X5R, OR	C6, C20, C21, C22, C27, C35, R47	0201_0.25D	1405001555, 1405000866, 1405000866, 1405001555, 1405001555, 1405000866, 1408001613	7
220P	22pF/25V/5%/COG	C7	0201_0.25D	1405001556	1
47p	27pF/25V/5%/COG	C8, C17, C26	0201_0.25D	1405001555	3
105	1uF/25V/10%/X5R	C9, C12	0402C_0.4D	1405000896	2
106	10uF/6.3V/10%/X5R	C10, C11	0603C_0.6D	1405000545	2
22uF	22uF/10V/20%/X5R	C19	0603C_0.6D	1405001346	1
103	10nF/10V/10%/X7R	C23, C116	0201_0.25D	1405000811	2
2.7p	27pF/25V/5%/COG	C24	0201_0.25D	1405001555	1
33PF	33pF/25V/5%/COG	C25, C38, C42, C49	0201_0.25D	1405001377	4
2.2uF	2.2uF/6.3V/20%/X5R	C29	0201_0.25D	1405001597	1
OR	10nF/10V/10%/X7R, 0R/5%/800PPM, OR	C32, R38, R48	0201_0.25D	1405000811, 1408001400, 1408001613	3
NC(105)	1uF/6.3V/20%/X5R	C41	0201_0.25D	1405000866	1
NC(104)	0.1uF/10V/10%/X5R	C46	0201_0.25D	1405000947	1
10PF	22pF/50V/5%/COG	C97, C99	0201_0.25D	1405000860	2
PESD5V0S18B	Zener Diode	D1	SOD523	TVS	1
DIODE-ZTVS	4V/15KV/40W	D2	SOD-882-NP	1410004362	1
2.2UH	2.2uH/20%	L1	0603L_0.6D	1404000921	1
8.2nH	3.9nH/0.1nH	L5	0201_0.25D	1404000264	1
10nH	10nH/3%/250mA	L6	0201_0.25D	1404000384	1
BAT_CON	中照1200mAh 102540 3.7V聚合物 锂电池	P1	BAT_CON	Header 2	1
	Header, 2-Pin	P2, P3	POGO	MHDR1X2	2
	Header, 2-Pin	P4, P5, P7, P8	ANT	MHDR1X2	4
P-MOS-D1	P沟道/20V/2.3A	Q1, Q7	UMT3	1412000280	2
100K	100K/5%/100ppm	R1, R2, R49	0201_0.25D	1408001446	3
220PF	100R/1%	R3	0201_0.25D	1408001849	1
1M	1M/1%/100PPM	R4, R7, R10, R58	0201_0.25D	1408001480	4
1K	1M/1%/100PPM	R5, R11, R17, R46, R93	0201_0.25D	1408001480	5
30K	30K/1%/100PPM	R6	0201_0.25D	1408001834	1
6.8K	6.8K/1%/100PPM	R8	0201_0.25D	1408002000	1
10K	10K/5%/100ppm	R9, R33, R36, R37, R96	0201_0.25D	1408001444	5
33R	33R/5%/100ppm	R12, R15	0201_0.25D	1408001443	2
680K	680K/1%/100PPM	R13	0201_0.25D	1408001673	1
100R	100R/5%, 100R/1%, 100R/1%	R14, R32, R34	0201_0.25D	1408001998, 1408001849, 1408001849	3
NC(10K)	10K/5%/100ppm	R24, R25, R39, R42, R90	0201_0.25D	1408001444	5
22R	22R/1%/100PPM	R30, R31, R45	0201_0.25D	1408001481	3
NC(OR)	100R/1%	R97	0201_0.25D	1408001849	1
PN4		S1	12.2*11.7*1.6,LS04B T0463-02D0	PN4	1
KFC4521-0501B		S11	27-0056	SW-PB	1
TP	TEST POINT	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP25, TP26	slp1-test	TP	21
POGOPIN	TEST POINT	TP11, TP17	POGO_PIN	TP	2
SAFFB1G5A0C0FA		U1	SAFFB1G58KA0FA	SAFEA1G58KA0F00	1
SGM405A5-4.35YG/TR		U2	WLCSP-1.3×0.7-68	Component_1	1
SGM2040-3.0YUDH4G/TR		U3	UTDFN-1×1-4AL	Component_1	1
LS04NBN-LB0X000002		U4		NBXX-01	1
QUAD_EUICC		U6	MFF2	QUAD_EUICC	1
MAX2659		U7	6uDFN	MAX2659	1
UBX-M8030-KT		U8	QFN5*-40P_0.4	UBX-M8030	1
STM32L051T8Y6		U10	WLCSP36 - 2.61 x 2.88	STM32L051T8Y6	1
NC(KX023)		U11	LGA-16	KX023	1
LED*3_BDGA6S1		U14	BDGAR6S1	LED*3_BDGA6S1	1
CRYSTAL-2P	12.5pF/32.768KHz/2 0PPM/90kQmax/-40 °--85°	X1, X2	2012	1413000450	2
CRYSTAL-P	10pF/26MHz/2PPM/	X3	2016-P	1413000585	1