

Bill of Materials

Source Data From: None
Project: X-NUCLEO-NFC05A1
Variant: None



Board Reference: NFC05A1
Board Category: X-NUCLEO
Version: A1

X-NUCLEO-NFC05A1

Designator	Comment	Footprint	Quantity	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	2nd Source
C202	d.n.p.	C0402	1					
C303, C306	d.n.p.	C0603	2					
J100, J101, J302, J303	closed 0R	JP2_SMD_closed	4	Multicomp	MC00625W040210R	Farnell	1357983	
J200, J202	d.n.p.	PIN1	2					
J300	d.n.p.	HDR1X3	1					
J301	d.n.p.	HDR1X2_slim	1					
JP200	d.n.p.	SMD H2	1					
L100, L101, L200	FB_0603	L0603	3	MURATA	BLM18EG471SN1D	Farnell	1515722	
LED100	Green	D0603	1	Lite-On	LTST-C190KGKT	Digi-Key	160-1435-1-ND	
LED101, LED102, LED103, LED104, LED105, LED106	Blue	D0603	6	Lite-On	LTST-C190TBKT	Digi-Key	160-1646-1-ND	
P200, P201	d.n.p.	U FL Socket - HRS	2	HRS (HIROSE)	U.FL-R-SMT-1(10)	Farnell	1688077	
U200	ST25R3911B	ST25R3911B-QFN	1	STMicroelectronics	ST25R3911B-AQFMCT-N	Digi-Key	ST25R3911B-AQFMCT-ND	
Y200	27,12MHz Crystal	XRCGB_F_MN	1	MURATA	XRCGB27M120F3M00R0	Farnell	1885632	
L300, L301	270n	L0603	2	MURATA	LQW18ANR27G80D	Digi-Key	490-13392-2-ND	"270nH Unshielded Wirewound Inductor 260mA 2.42 Ohm Max 0603, SFR@1,25GHz, Q>24@100MHz"
R101, R102, R103, R104, R105, R106, R205, R206	1k	R0402	8	Panasonic	ERJ2GEJ102X	Farnell	2059225	1 kohm, 50 V, 0402, >100 mW, ± 5%
R300_NFCF, R301_NFCF	1R9	R0603	2	Vishay Dale	CRCW06031R96FKEA	Digi-Key	541-1.96HHCT-ND	1.96 Ohm ±1% 0.1W, 1/10W Chip Resistor 0603
C314, C315	C_5p6_0402	C0402	2	MURATA	GRM1555C1H5R6DA01D	Digi-Key	490-5946-1-ND	5.6pF ±0.5pF 50V C0G, NP0 0402
R300, R301	5R6	R0603	2	Yageo	RC0603FR-075R62L	Digi-Key	311-5.62HRTR-ND	5.6 Ohm ±5% 0.1W, 1/10W Chip Resistor 0603
C204, C205, C316, C317	C_12p_0402	C0402	4	MURATA	GRM1555C1H120GA01D	Digi-Key	490-6197-1-ND	12pF ±2% 50V C0G, NP0 0402
C318, C319	C_27p_0402	C0402	2	MURATA	GRM1555C1H270GA01D	Digi-Key	490-6224-1-ND	27pF ±2% 50V C0G, NP0 0402
C320, C321	C_56p_0402	C0402	2	MURATA	GRM1555C1H560GA01D	Digi-Key	490-6247-1-ND	56pF ±2% 50V C0G, NP0 0402
C305, C307	C_56p_0603	C0603	2	MURATA	GRM1885C1H560FA01D	Digi-Key	490-9726-1-ND	56pF ±2% 50V C0G, NP0 0603
C300, C311	C_82p_0603	C0603	2	MURATA	GRM1885C1H820FA01D	Digi-Key	490-10724-1-ND	82pF ±1% 50V C0G, NP0 0603
C302_NFCF, C309_NFCF	C_120p_0603	C0603	2	MURATA	GRM1885C1H121GA01D	Digi-Key	490-12712-1-ND	120pF ±2% 50V C0G, NP0 0603
C302, C309	C_180p_0603	C0603	2	MURATA	GRM1885C1H181GA01D	Digi-Key	490-11450-1-ND	180pF ±2% 50V C0G, NP0 0603
R200, R201, R202, R203, R204	220R	R0402	5	Yageo	RC0402JR-07220RL	Digi-Key	311-220JRTR-ND	220 Ohm ±5% 0.063W, 1/16W Chip Resistor 0402
C100	C_100p_0402_X7R	C0402	1	AVX	0402YC101KAT2A	Digikey	478-7887-1-ND	0402, 0.01 µF, 25 V, ± 10%, X7R
C101, C208, C209, C210, C211	C_10n_0402_X7R	C0402	5	AVX	04023C103KAT2A	Farnell	1327624	0402, 0.01 µF, 25 V, ± 10%, X7R
C201, C203	C_100n_0402_X7R	C0402	2	MULTICOMP	MC0402X104K100CT	Farnell	1759380	0402, 0.1 µF, 10 V, ± 10%, X5R,
C200, C215	C_1µ_0402_X5R	C0402	2	MURATA	GRM155R61C105KA12D	Farnell	2362093	0402, 1 µF, 16 V, ± 10%, X5R,
C102, C212, C213, C214	C_2µ2_0402_X5R	C0402	4	MURATA	GRM155R60J225ME15D	Farnell	2362088	0402, 2.2 µF, 6.3 V, ± 20%, X5R
C206, C207	C_8p2_0402	C0402	2	MURATA	GRM1555C1H8R2CA01D	Farnell	1828874	0402, 8.2 pF, 50 V, ± 0.25pF, C0G / NP0
C301, C310	C_10p_0603	C0603	2	MULTICOMP	MC0603N100F500CT	Farnell	2410381	0603, 10pF, 50 V, 1%, C0G / NP0
R100	680R	R0402	1	Yageo	RC0402JR-07680RL	Digi-Key	311-680JRTR-ND	680 Ohm ±5% 0.063W, 1/16W Chip Resistor 0402
C304, C308	C_680p_0603	C0603	2	MURATA	GRM1885C1H681GA01D	Digi-Key	490-11476-1-ND	680pF ±2% 50V C0G, NP0 0603
CN5	Header 10X1_Female	1*10P_FEMALE	1	Samtec	SSQ-110-03-L-S	Farnell	2283783	doublesourcing allowed
CN6, CN9	Header 8X1_Female	1*8P_FEMALE	2	Samtec	SSQ-108-03-L-S	Farnell	2283782	doublesourcing allowed
CN8	Header 6X1_Female	1*6P_FEMALE	1	Samtec	SSQ-106-03-L-S	Farnell	2283759	doublesourcing allowed

Approved	Notes