

Bill of Materials

Source Data From: None
Project: ST25R3911B-DISCO
Variant: None



Bord Reference MB1325
Board Category Discovery Board
Version B1

ST25R3911B-DISCO

Designator	Comment	Footprint	Quant	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	2nd Source
C105, C309, C310, C311, C312	C_10n_0402_X7R	C0402	5	AVX	04023C103KAT2A	Farnell	1327624	0402, 0.01 µF, 25 V, ± 10%, X7R
C106, C313, C314, C315	C_2µ2_0402_X5R	C0402	4	MURATA	GRM155R60J225ME15D	Farnell	2362088	0402, 2.2 µF, 6.3 V, ± 20%, X5R
C201, C202, C421, C422	C_56p_0402	C0402	4	MURATA	GRM1555C1H560GA01D	Digi-Key	490-6247-1-ND	56pF ±2% 50V COG, NP0 0402
C203, C204	C_4p3_0402	C0402	2	MURATA	GRM0225C1E4R3BA03L	Digi-Key	490-13573-1-ND	0402, 4.3PF 25V, COG, 0.1pF
C207, C208, C210, C212, C213, C214, C216, C302, C304	C_100n_0402_X7R	C0402	9	MULTICOMP	MC0402X104K100CT	Farnell	1759380	0402, 0.1 µF, 10 V, ± 10%, X5R,
C209, C211	C_4µ7_0402_X5R	C0402	2	TDK	C1005X5R0J475K050BC			0402, 4.7 µF, 6.3 V, ± 10%, X5R
C215, C301, C316	C_1µ_0402_X5R	C0402	3	MURATA	GRM155R61C105KA12D	Farnell	2362093	0402, 1 µF, 16 V, ± 10%, X5R,
C303	d.n.p.	C0402	1					
C305, C306, C417, C418	C_12p_0402	C0402	4	MURATA	GRM1555C1H120GA01D	Digi-Key	490-6197-1-ND	12pF ±2% 50V COG, NP0 0402
C307, C308	C_8p2_0402	C0402	2	MURATA	GRM1555C1H8R2CA01D	Farnell	1828874	0402, 8.2 pF, 50 V, ± 0.25pF, COG / NP0
C415, C416	C_5p6_0402	C0402	2	MURATA	GRM1555C1H5R6DA01D	Digi-Key	490-5946-1-ND	5.6pF ±0.5pF 50V COG, NP0 0402
C419, C420	C_27p_0402	C0402	2	MURATA	GRM1555C1H270GA01D	Digi-Key	490-6224-1-ND	27pF ±2% 50V COG, NP0 0402
C101, C102	C_10µ_0603_X5R	C0603	2	AVX	06036D106MAT2A			0603, 10 µF, 6.3 V, ± 20%, X5R
C103, C104	C_1µ_0603_X5R	C0603	2	MURATA	GRM188R61C105KA93D	Digi-Key	490-1536-1-ND	0402, 1 µF, 16 V, ± 10%, X5R
C205, C206, C404, C407	d.n.p.	C0603	4					
C401, C412	C_82p_0603	C0603	2	MURATA	GRM1885C1H820FA01D	Digi-Key	490-10724-1-ND	82pF ±1% 50V COG, NP0 0603
C402, C411	C_10p_0603	C0603	2	MULTICOMP	MC0603N100F500CT	Farnell	2410381	0603, 10pF, 50 V, 1%, COG / NP0
C403, C410	C_180p_0603	C0603	2	MURATA	GRM1885C1H181GA01D	Digi-Key	490-11450-1-ND	180pF ±2% 50V COG, NP0 0603
C403_NFCF, C406, C408, C410_NFCF	C_120p_0603	C0603	4	MURATA	GRM1885C1H121GA01D	Digi-Key	490-12712-1-ND	120pF ±2% 50V COG, NP0 0603
C405, C409	C_680p_0603	C0603	2	MURATA	GRM1885C1H681GA01D	Digi-Key	490-11476-1-ND	680pF ±2% 50V COG, NP0 0603
LED101	Green	D0603	1	Lite-On	LTST-C190KGKT	Digi-Key	160-1435-1-ND	
LED201, LED202, LED203, LED204, LED205, LED206	Blue	D0603	6	Lite-On	LTST-C190TBKT	Digi-Key	160-1646-1-ND	
U102	LD39050PU33R	DFN6(3X3)	1			Digi-Key	497-8716-1-ND	
J403	d.n.p.	HDR1X2_slim	1					
J402	d.n.p.	HDR1X3	1					
P202, P203	d.n.p.	HDR1X4	2					
P204	d.n.p.	HDR1X8	1					
J101, J401, J404, J405, J406, J407	closed 0R	JP2_SMD_closed	6	Multicomp	MC00625W040210R	Farnell	1357983	
L101, L201, L301	FB_0603	L0603	3	MURATA	BLM18EG471SN1D	Farnell	1515722	
L102, L103	FB_0603_0R	L0603	2	Multicomp	MC00625W040210R	Farnell	1357983	
L401, L402	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"
U201	STM32L476RE	LQFP64_slim	1			Digi-Key	497-15872-ND	
X201	32.768 kHz	NX3215SA	1	NDK	NX3215SA 32.768KHz EX	Digi-Key	644-1156-1-ND	
J301, J302	d.n.p.	PIN1	2					
R101, R306, R307	1k	R0402	3	Panasonic	ERJ2GEJ102X	Farnell	2059225	1 kohm, 50 V, 0402, >100 mW, ± 5%
R201, R204, R207, R210, R211, R214, R215, R216, R217, R301, R302, R303, R304, R305	220R	R0402	14	Yageo	RC0402JR-07220RL	Digi-Key	311-220JRT-R-ND	220 Ohm ±5% 0.063W, 1/16W Chip Resistor 0402
R202, R203, R205, R206, R208, R209	680R	R0402	6	Yageo	RC0402JR-07680RL	Digi-Key	311-680JRT-R-ND	680 Ohm ±5% 0.063W, 1/16W Chip Resistor 0402
R212, R213	27R	R0402	2	MULTICOMP	MC00625W0402127R	Farnell	1358000	27ohm, 50 V, 0402, >62.5 mW, ± 1%
R218, R219, R220, R221, R222	0R	R0402	5	MULTICOMP	MC00625W040210R	Farnell	1357983	0 ohm, 50 V, 0402, >62.5 mW
R223	10k	R0402	1	MULTICOMP	MC00625W0402110K	Farnell	1358069	10 kohm, 50 V, 0402, >62.5 mW, ± 1%
R401, R402	3R9	R0603	2	Panasonic	ERJ-3GEYJ3R9V	Digi-Key	P3.9GCT-ND	3.9 Ohm ±5% 0.1W, 1/10W Chip Resistor 0603
R401_NFCF, R402_NFCF	1R9	R0603	2	Vishay Dale	CRCW06031R96FKEA	Digi-Key	541-1.96HHCT-ND	1.96 Ohm ±1% 0.1W, 1/10W Chip Resistor 0603
P201	Header 10	Samtec-Strip5x2	1	Samtec	FTS-105-01-L-DV	Farnell	1667729	
JP301	d.n.p.	SMD H2	1					
U301	ST25R3911B	ST25R3911B-QFN	1	STMicroelectronics	ST25R3911B-AQFMCT-N	Digi-Key	ST25R3911B-AQFMCT-ND	
S201, S202		SW_SPST_KMR2	2	C & K COMPONENTS	KMR211G LFS	Farnell	1437635	

P301, P302	d.n.p.	U FL Socket - HRS	2	HRS (HIROSE)	U.FL-R-SMT-1(10)	Farnell		1688077	
U101	ECMF02-4CMX8	uQFN-8L	1	STMicroelectronics	ECMF02-4CMX8	Digi-Key		497-13420-1-ND	
Y201	d.n.p.	XRCGB_F_MN	1	MURATA	XRCGB27M120F3M00R0	Digi-Key		490-5575-1-ND	
Y301	27.12MHz Crystal	XRCGB_F_MN	1	MURATA	XRCGB27M120F3M00R0	Farnell		1885632	
P101	µUSB	µUSB Molex	1	Molex	105017-0001	Farnell		2293836	
Approved Notes									