









Creen Led LED GREEN D3, D4, D5 OL_0603_1608 OL_G_0603 3	Comment	Description	Designator	Footprint	LibRef	Quantity
Ceramic X7R						, ,
Ceramic XSR			C1, C3, C5, C6, C10,		03_10,	
Ceramic XSR	Coramic Y7P	Canacitor	C11, C15, C16, C17,	C 0603 1608	C_100nF_50V_X7R_06	17
Ceramic XSR	Ceramic X/K	Capacitoi		C_0003_1006	_	17
Ceramic XSR			C29, C30, C31, C32			
Ceramic X5R						
Ceramic XSR Capacitor C2, C4, C14, C18 C_0603_1608 C_4.74_T_16V_XSR_06_003_10 4 Ceramic XSR Capacitor C7, C8 C_1210_3225 C_1000F_6.3V_XSR_06_003_10 2 Ceramic XSR Capacitor C7, C8 C_1210_3225 C_1000F_6.3V_XSR_16_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_3_15_000_000_000_000_000_000_000_000_000_						
Caramic ASR Capacitor C.7, C.8 C.1210_3225 C.100ar_6.5V_XSR_1 C.2_au					_	
Ceramic XSR	Ceramic X5R	Capacitor	C2, C4, C14, C18	C_0603_1608		4
Ceramic XSR					_	
Ceramic XSR						
Ceramic COG						
Capacitor	Ceramic X5R	Capacitor	C7, C8	C_1210_3225		2
Ceramic COG Capacitor Coy, C12, C13, C21, C22, C23, C24, C25, C26 C22, C23, C24, C25, C26 C27, C27, C26, C603 C25 C27, C23, C24, C25, C26 C27, C27, C20, C603 C25 C100pF, SOV_COG_0603 C35 C100pF, SOV_COG_0603 C10pF, SOV_COG_06 C10pF, SOV						
Ceramic COG						
Ceramic COG Capacitor C22, C23, C24, C25, C26 C26 C26, C26, C26, C26, C26, C26,					_	
Capacitor Capa			C9, C12, C13, C21,			
STB-E3	Ceramic COG	Capacitor	C22, C23, C24, C25,	C_0603_1608		9
STB-E3			C26			
S1B-E3					_ ·	
STB-E3					•	
SIB-E3					_	
Green Led	S1B-E3		D1, D2	SMA_DO-214AC		2
Ferrite bead Ferrite Bead FB1 FB_0805_2012 FB_742792022 1	Green Led	LED GREEN	D3. D4. D5	OL 0603 1608	_	3
Ferrite bead Ferrite Bead FB2 FB_0402_1005 FB_BLM15EG121SH1D 1	Ferrite bead					1
Substr	Ferrite bead	Ferrite Bead	FB2	FB_0402_1005	FB_BLM15EG121SH1D	1
Substr				J DSUB MHDD9F-T-B-		
Pin Header P2				S-RBM	J_D2OR	1
Header, 10-Pin, Dual row P3						1
Resistor	Goldpin		P2	P_HEADER_1x4_2.54	P_HEADER_1x4_2.54	1
R1, R2, R4, R5, R6, R7, R9, R12, R13, R14, R15, R16, R17, R18, R20	Jtag		P3	P_HEADER_2x5_1.27	P_HEADER_2x5_1.27	1
Resistor R9, R12, R13, R14, R15, R16, R17, R18, R20 R_0603_1608 R_10R_0603_1, R_64.9k_0603_1, R_64.9k_0603_1, R_2.7k_0603_1, R_10k_0603_1, R_10k_0603_					R_1R_0603_1,	
Resistor Res			R1, R2, R4, R5, R6, R7,		R_100k_0603_1,	
R15, R16, R17, R18, R20 R2-64-9K_0003_1, R_2-7k_0603_1, R_2-7k_0603_1, R_10k_0603_1	Docietor		R9, R12, R13, R14,	D 0402 1400	R_10R_0603_1,	15
R_10k_0603_1	Resistor		R15, R16, R17, R18,	R_U6U3_16U8	R_64.9k_0603_1,	15
Resistor R3 R_0402_1005 R_100k_0402_1 1 Resistor R8, R10, R11 R_NC_0603_1608 R_GENERIC_0603 3 Resistor R19 R_1206_3216 R_120R_1206_1 1 36mm Tact Switch S1 S_TACTSWITCH3x6 S_TACTSWITCH 1 TVS double bidirectional TVS1 SOT23_N TVS_CDSOT23-SM712 1 STM32F103C8T6 U1 LQFP48_7x7 UP_STM32F103C8T6 1 Fully integrated microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap SOP14_SO14_SO14_SOIC14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B_8000MHZ- 1			R20		R_2.7k_0603_1,	
Resistor R8, R10, R11 R_NC_0603_1608 R_GENERIC_0603 3 Resistor R19 R_1206_3216 R_120R_1206_1 1 3x6mm Tact Switch S1 S_TACTSWITCH3x6 S_TACTSWITCH 1 TVS double bidirectional TVS1 SOT23_N TVS_CDSOT23-SM712 1 STM32F103C8T6 U1 LQFP48_7x7 UP_STM32F103C8T6 1 Fully integrated microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap SOP14_SO14_SO14_SO1C14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1					R_10k_0603_1	
Resistor R19 R_1206_3216 R_120R_1206_1 1 3x6mm Tact Switch S1 S_TACTSWITCH3x6 S_TACTSWITCH 1 TVS double bidirectional TVS1 SOT23_N TVS_CDSOT23-SM712 1 STM32F103C8T6 U1 LQFP48_7x7 UP_STM32F103C8T6 1 Fully integrated microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SO1C14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	Resistor		R3	R_0402_1005	R_100k_0402_1	1
3x6mm Tact Switch S1	Resistor		R8, R10, R11	R_NC_0603_1608		3
TVS double bidirectional TVS1 SOT23_N TVS_CDSOT23-SM712 1 STM32F103C8T6 U1 LOFP48_7x7 UP_STM32F103C8T6 1 Fully integrated microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap SOP14_SO14_SO1C14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	Resistor					1
bidirectional IVS1 SO123_N IVS_CDS0123-SM/12 1 STM32F103C8T6 U1 LQFP48_7x7 UP_STM32F103C8T6 1 Fully integrated microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Frail-Safe, Hot-Swap Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SO1C14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1		Tact Switch	S1	S_TACTSWITCH3x6	S_TACTSWITCH	1
Didirectional	TVS double		TVS1	SOT23 N	TVS_CDSOT23-SM712	1
Fully integrated microstepping motor driver with motion engine and SPI Open drain buffer MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceiver - SOIC-14 LD39050PU33R U2 HTSSOP28 U_L6470HTR 1 QFN14_4x4 U_SN74LVC06ARGYR 1 SOP14_SOI4_SOIC14 _4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 X_ABM3B_5x3X11 X_ABM3B-8.000MHZ- 1	bidirectional					'
microstepping motor driver with motion engine and SPI U2 HTSSOP28 U_L6470HTR 1 Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Frail-Safe, Hot-Swap Transceiver, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SOIC14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_L039050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	STM32F103C8T6		U1	LQFP48_7x7	UP_STM32F103C8T6	1
driver with motion engine and SPI U2 HISSOP28 U_L64/0HIR I Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 RS-485/RS-422 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SOIC14 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	Fully integrated					
Depth drain buffer	microstepping motor		110	LITCCODOO	11 1 / 470UTD	1
Open drain buffer U3 QFN14_4x4 U_SN74LVC06ARGYR 1 MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceiver - SOIC-14 RS-485/RS-422 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 4X9X18 SOP14_SO14_SOIC14 _4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X_ABM3B_5X3X11 X_ABM3B-8.000MHZ- X_ABM3B-8.000MHZ- 1	driver with motion		02	H1350P28	U_L64/0HTR	I
MAX3076 Series 16 Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U5 DFN6_3x3 VL_LD39050PU33R 1 X ABM3B-5x3X11 X ABM3B-8.000MHZ- 1 MAX3076EASD+ 1 1 1 1 1 1 1 1 1 1 1 1 1	engine and SPI					
Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SO1614 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	Open drain buffer		U3	QFN14_4x4	U_SN74LVC06ARGYR	1
Mbps 6 V Full Duplex SMT RS 485 Transceivers, +3.3V, ±15kV ESD-Protected, Fail-Safe, Hot-Swap U4 SOP14_SO14_SO1614 _ 4X9X18 U_MAX3076EASD+ 1 LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 RMHz X1 X ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1	MAX2076 Spripe 16	PS_485/PS_422				
SMT RS 485 ±15kV ESD-Protected, Transceiver - SOIC-14 Fail-Safe, Hot-Swap LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 8MHz X1 X ABM3B_5X3X11 X_ABM3B-8.000MHZ-1 1				SOP14 SO14 SOIC14		
Transceiver - SOIC-14 Fail-Safe, Hot-Swap U5 DFN6_3x3 VL_LD39050PU33R 1 8MHz X1 X ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1			U4		U_MAX3076EASD+	1
LD39050PU33R U5 DFN6_3x3 VL_LD39050PU33R 1 8MHz X ABM3B_5X3X11 X_ABM3B-8.000MHZ- 1						
8MHz X1 X ARM3R 5X3X11 X_ABM3B-8.000MHZ-		. a.i oaio, ilot-swap		55111 6 6		
18MH7 - I IXI IX ABM3B 5X3X11 I - I	LD39050PU33R			DFN6_3x3		1
	8MHz		X1	X_ABM3B_5X3X11	B2-T	1