

Document reference: DMX-512 based led lighting control				PCB reference: STEVAL-ILL030V1			Date:	28th-July-2010	
Company: STMicroelectronics									
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity
Devices	1	U1	Low-density performance line, ARM-based 32-bit MCU with 16 or 32 KB Flash, USB, CAN, 6 timers, 2 ADCs, 6 communication interfaces	LQFP48	ST	STM32F103C6T6A			1
	2	U2	Very high speed low power RS-485/RS-422 transceiver	SO-8	ST	ST485ABDR			1
	3	U3	1.5 A max constant current LED driver	DFN8(3mmx3mm)	ST	STCS1APUR			1
	4	U4	Ultra low drop-low noise BiCMOS 300 mA voltage regulator for use with very low ESR output capacitor	SOT23-5L	ST	LDS3985M33R			1
	5	U5	ESD protection for high speed	SOT-666	ST	ESDAULC6-3BP6			1
	6	U6	Protection Device (CutOff	TDFN – 10-lead (2.5 x 2 mm)	ST	STBP120AVDK6F			1
	7	D8	Power Schottky rectifier	STPS340U_SMB	ST	STPS340U			1
Crystal and Oscillator	8	Y1	Quartz Crystal 8MHz	11.35mmx4.35mm, SS4	ECS Inc	ECS-80-S-5PX-TR	Digikey	XC1243CT-ND	1
Connectors and jumpers	9	CN1	SOCKET, DC POWER JACK, 2.0MM, Right Angle, Locking Type	Through Hole	Protectron	PDCJ01-08			1
	10	CN2	JTAG Connector	Box Header, Straight 20way, 2x10pin, 2.54mmx2.54mm Pitch, Through Hole	Protectron	P9603-20-15-1			1
	11	CN3	USB MINI-B connector	SMD	Samtec	MUSB-05-S-B-SM-A	Digikey	H2959CT-ND	1
	12	J1,J2,J3,J6	PinOuts 1x3	Header 2.54mmx2.54mm Pitch	Any				4
	13	J5	Terminal Block	3-Way Vertical (through hole, Pitch 5mm)	MULTICOMP	PA001-3	Farnell	1357319	1
	14	J4	PinOuts 1x4	Header 2.54mmx2.54mm Pitch	Any				1



			The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.							
	End of File									

**Notes :**

- 1 SW1 is not mounted**
- 2 Y1 is not mounted**
- 3 D1, D2, D3, D4 are not mounted**
- 4 D6 is not mounted**