

LED_Panel

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Description	Manufacturer Part Number	DigiKey Part Number	Designator	Quantity
CAP CER 0.1UF 50V 10% X7R 0603	CC0603KRX7R9BB104	311-1344-1-ND	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C27, C28, C29, C30, C31, C32, C33, C34	33
CAP CER 10UF 10V 20% X5R 0603	C1608X5R1A106M080AC	445-6853-1-ND	C26	1
RGB LED WITH CONTROLLER	WS2812B		D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25	25
LED GREEN CLEAR 0603 SMD	LTST-C190KGKT	160-1435-1-ND	D26, D27	2
CONN USB MICRO B RECPT SMT R/A	10118192-0001LF	609-4613-1-ND	P1	1
RES 10.0K OHM 1/10W 1% 0603 SMD	ERJ-3EKF1002V	P10.0KHCT-ND	R1, R2, R3, R4, R5, R6	6
RES 330 OHM 1/10W 5% 0603 SMD	ERJ-3GEYJ331V	P330GCT-ND	R7	1
RES 232K OHM 1/10W 1% 0603 SMD	RC0603FR-07232KL	311-232KHRCT-ND	R8	1
RES 100K OHM 1/10W 1% 0603 SMD	ERJ-3EKF1003V	P100KHCT-ND	R9	1
SWITCH TACTILE SPST-NO 0.05A 12V	FSMRA6JH	450-1660-ND	SW1, SW2, SW3, SW4	4
8-bit AVR Microcontroller	ATmega328P-AU	ATMEGA328P-AU-ND	U1	1
IC AMBIENT LIGHT SENSOR	ISL76671AR0Z-T7A	ISL76671AR0Z-T7ACT-ND	U2	1
Fixed 3.3 V LDO, 200 mA	TPS73233DBVT	296-15812-2-ND	U3	1
IC VOLT-LVL TRANSL 8BIT 20-TSSOP	TXB0108PWR	296-21527-1-ND	U4	1
CER RESONATOR 16.0MHZ SMD	CSTCE16M0V53-R0	490-1198-1-ND	Y1	1