

MAXREFDES99 BOM

Designation	Qty	Description
U1	1	IC REG BUCK 5V 1A SYNC 10TDFN MAX17502FATB+
U2	1	IC LVL XLTR LV 8MBPS 14-TSSOP MAX3390EEUD+
U3, U4, U5, U6	4	IC LED DISPLAY DVR 8DGT 24-SOIC MAX7219EWG+
H1, H3	2	CONN HEADER .100 SINGL STR 8POS PBC08SAAN
H2	1	CONN HEADER .100 SINGL STR 6POS PBC06SAAN
H4	1	CONN HEADER .100 SINGL STR 10POS PBC10SAAN
J1	1	CONN POWER JACK 2.1MM PJ-002A
SW1	1	SWITCH SLIDE DPDT 500MA 15V EG2219
D1	1	LED GREEN DIFFUSED 0805 SMD PG1112H-TR
D2	1	DIODE SCHOTTKY 20V 500MA SOD323F PMEG2005EJ,115
D3, D4, D5, D6	4	LED MATRIX 8X8 1.5" 565NM GN TC15-11GWA
C1	1	CAP ALUM 33UF 20% 25V SMD EEE-FT1E330AR
C2	1	CAP CER 2.2UF 100V X7R 1210 GRM32ER72A225KA35L
C3, C8	2	CAP CER 1UF 6.3V X7R 0603 GRM188R70J105KA01D
C4, C6, C7, C10, C12, C14, C16	7	CAP CER 0.1UF 6.3V X7R 0603 GRM188R70J104KA01D
C5	1	CAP CER 10UF 50V X7R 1210 GRM32ER71H106KA12L
C9, C11, C13, C15	4	CAP CER 10UF 10V X5R 0603 C1608X5R1A106K080AC
R1	1	RES SMD 3.3M OHM 1% 1/10W 0603 CRCW06033M30FKEA
R2	1	RES SMD 698K OHM 1% 1/10W 0603 CRCW0603698KFKEA
R3	1	RES SMD 100 OHM 5% 1/10W 0603 CRCW0603100RJNEA
R4	1	RES SMD 470 OHM 5% 1/10W 0603 CRCW0603470RJNEA
R5	1	RES SMD 100K OHM 5% 1/10W 0603 CRCW0603100KJNEA
R6, R7, R8, R9	4	RES SMD 27K OHM 1% 1/10W 0603 CRCW060327K0FKEA
L1	1	AEC-Q200 LPS6235 Series, 22 μ H, \pm 20%, Shielded, 0.145 ohm, 1.1 A LPS6235-223MRB
NA	1	AC/DC WALL MOUNT ADAPTER 9V 12W WSU090-1300