

MAXREFDES64 BOM

Designation	Qty	Description
C1, C2, C3, C111	4	CAP CER 1UF 6.3V 10% X7R (0402) Samsung CL05B105KQ5NQNC
C4, C5, C7, C201, C206, C301, C302	7	CAP CER 0.1UF 16V 10% X7R (0402) TDK C1005X7R1C104K050BC
C6, C503	2	CAP CER 4.7UF 10V Y5V (0603) Murata GRM188F51A475ZE20D
C8, C202	2	CAP CER 0.01UF 16V 10% X7R (0402) TDK C1005X7R1C103K050BA
C101	1	CAP TANT 220UF 4V 20% (2917) Panasonic 4TPE220MF
C102, C103	2	CAP CER 22UF 10V 20% X5R (1206) TDK C3216X5R1A226M160AC
C104	1	CAP CER 100PF 50V 5% NP0 (0402) TDK C1005C0G1H101J050BA
C107	1	CAP CER 0.068UF 25V 10% X7R (0402) TDK CGA2B3X7R1E683K050BB
C108, C114	2	CAP CER 1UF 16V 10% X7R (0603) AVX 0603YC105KAT2A
C109, C110	2	CAP CER 2.2UF 50V 10% X7R (1206) TDK C3216X7R1H225K160AB
C115	1	CAP CER 2.2UF 25V 10% X7R (0805) TDK C2012X7R1E225K125AB
C116	1	CAP CER 22PF 50V 1% NP0 (0402) TDK C1005C0G1H220F050BA
C117	1	CAP CER 100PF 50V 1% NP0 (0402) TDK C1005C0G1H101F050BA
C118	1	CAP CER 1000PF 2KV 10% X7R (1808) TDK C4520X7R3D102K130KE
C119	1	CAP CER 4700PF 25V 5% X7R (0402) Samsung CL05B472JA5NNNC

C204, C205	2	CAP CER 47PF 50V 1% NP0 (0402) TDK C1005C0G1H470F050BA
C500, C502	2	CAP CER 0.1UF 50V 10% X7R (0402) TDK CGA2B3X7R1H104K050BB
C501	1	CAP CER 10UF 100V 20% X7S 5750 TDK C5750X7S2A106M230KB
D102, D105	2	DIODE SWITCHING 75V 0.2A (SOD523F) Fairchild 1N4148WT
D104	1	DIODE ZENER 6.46V 500MW (SOD323F) Diodes Inc DDZ6V8ASF-7
D106	1	DIODE Schottky 30V 0.2A (SC- 90A) Panasonic DB2J31300L
D500	1	LED 630NM HE RED DIFF 0805 SMD Avago HSMS-C170
D501	1	TVS DIODE 36VWM 58.1VC SMB ON 1SMB36AT3G
D502, D503, D504, D	8	LED 2.1X0.6mm 525nm GRN RA SMD Kingbright APA2106ZGC
J500-J501	2	Conn Term BLK 8-Pos R/A 2.5mm SMD Phoenix 1771088
L201	1	FERRITE CHIP 600 OHM (0805) Murata BLM21AG601SN1D
LED1	1	LED GREEN 0.2MM 13MCD (0402) Rohm SML-P12PTT86
LED2	1	LED RED-HB 0.2MM 85MCD (0402) Rohm SML-P12UTT86
P2	1	CONN HEADER 10 POS DUAL .05" SMD Samtec FTS-105-01-L-DV
P201	1	CONN RCPT MCR USB AB SMD TH SHLL Hirose ZX62RD-AB-5P8
Q101	1	TRANS NPN 40V 200MA (SOT23) On Semi MMBT3904LT1G
R1, R2, R3, R4, R6, R7, R500, R501, R503	9	RES 0.0 OHM 1/10W JUMP (0402) Panasonic ERJ-2GE0R00X

R5, R8, R9, R11, R102	5	RES 10K OHM 1/10W 5% (0402) Panasonic ERJ-2GEJ103X
R10, R12	2	RES 1.5K OHM 1/10W 5% (0402) Panasonic ERJ-2GEJ152X
R101	1	RES 36.5K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF3652X
R103	1	RES 11K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF1102X
R104, R301, R302	3	RES 22K OHM 1/10W 5% (0402) Panasonic ERJ-2GEJ223X
R105, R201, R202	3	RES 27 OHM 1/10W 5% (0603) Panasonic ERJ-3GEYJ270V
R108, R111	2	RES 30.1K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF3012X
R110	1	RES 20K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF2002X
R114	1	RES 10.7K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF1072X
R115	1	RES 280K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF2803X
R116	1	RES 120K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF1203X
R117	1	RES 27.4K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF2742X
R118	1	RES 80.6K OHM 1/10W 1% (0402) Panasonic ERJ-2RKF8062X
R119	1	RES 2.37K OHM 1/10W 1% (0402) Panasonic P2.37KLCT-ND
R120	1	RES 1.24K OHM 1/10W 1% (0402) Panasonic P1.24KLCT-ND
R303	1	RES 33K OHM 1/10W 5% (0402) Panasonic ERJ-2GEJ333X
R505	1	RES 15.0K OHM 1/8W 1% SMD (0603) Vishay MCT06030C1502FP500
R506	1	RES 3.3K OHM 1/10W 5% (0402) Panasonic ERJ-2GEJ332X

R507	1	RES 150 OHM 1W 1% 0207 MELF Vishay MMB02070C1500FB200
R508, R509, R510, R	8	RES 2.2K OHM .4W 1% 0204 MELF Vishay MMA02040C2201FB300
T101	1	TRANSFORMER, CUSTOM Sumida 06351-T589, Type CEE94
U1	1	MCU ARM 128K FLASH/TIMER (7x7 LQFP-48) ST Micro STM32F103CBT6
U101	1	5A, 2.4V to 5.5V Input, High- Efficiency Power Module Maxim MAX17515ELI+
U102	1	AC-DC and DC-DC Peak- Current-Mode Converter (TQFN- 16) Maxim MAX17498CATE+
U201	1	IC USB SERIAL BASIC UART (12DFN) FTDI FT234XD-R
U301	1	Six-Channel Digital Isolator Maxim MAX14850ASE+
U500	1	MAX31913 Maxim part - TSSOP-28_173-EP MAXIM MAX31913
PCB	1	PC board: MAXREFDES64# 8-Digital-Input Micro PLC Card