

Filename: BOM-TIDA-00751 SSR.xls

Variant: None

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TIDA-00751 SSR

Designator	Description	Manufacturer	PartNumber	Quantity
!PCB1	Printed Circuit Board	Any	TIDA-00751	1
C1, C7	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	MuRata	GRM1885C1H101JA01D	2
C2	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E103KA01D	1
C3, C5	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X5R, 0402	TDK	C1005X5R1A104K050BA	2
C4, C6, C8	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0603	MuRata	GRM188R61E105KA12D	3
C9	CAP, CERM, 100 pF, 100 V, +/- 1%, C0G/NP0, 0805	AVX	08051A101FAT2A	1
C10	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805	MuRata	GRM21BR61E106KA73L	1
C11	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0603	MuRata	GRM188R71C104KA01D	1
C12	CAP, CERM, 5600 pF, 50 V, +/- 5%, C0G/NP0, 0805	MuRata	GRM2195C1H562JA01D	1
D1, D2, D3	Diode, Switching, 75 V, 0.25 A, SOD-323	Micro Commercial Components	1N4448WX-TP	3
D4	Diode, Zener, 18 V, 1 W, AEC-Q101, SMA	Diodes Inc.	SMAZ18-13-F	1
FID1, FID2, FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	3
H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	4
H5, H6, H7, H8	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C	4
J1, J2, J4	Header, 100mil, 3x1, Tin, TH	TE Connectivity	5-146278-3	3
J3	Terminal Block, 2x1, 2.54mm, TH	TE Connectivity	282834-2	1
J5	Terminal Block, 100mil, 4X1 TH	TE Connectivity	282834-4	1
Q1, Q4	MOSFET, N-CH, 100 V, 50 A, DQG0008A	Texas Instruments	CSD19537Q3	2
Q2	Transistor, PNP, 60 V, 0.6 A, TO-18	Central Semiconductor	2N2907A	1
Q3	Transistor, NPN, 40 V, 0.6 A, TO-18	STMicroelectronics	2N2222A	1
R1	RES, 16.2 k, 1%, 0.125 W, 0805	Vishay-Dale	CRCW080516K2FKEA	1
R2, R3	RES, 11.5 k, 1%, 0.125 W, 0805	Vishay-Dale	CRCW080511K5FKEA	2
R4, R5, R6, R10, R14	RES, 0, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08050000Z0EA	5
R7, R9	RES, 422 k, 1%, 0.125 W, 0805	Vishay-Dale	CRCW0805422KFKEA	2
R8	RES, 505, 0.1%, 0.125 W, 0805	Yageo America	RT0805BRD07505RL	1
R11	RES, 1.00 k, 1%, 0.25 W, 0805	Panasonic	ERJ-P06F1001V	1
R12, R13	RES, 100 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW0402100KJNED	2
SH-J1, SH-J2	Shunt, 2mm, Gold plated, Black	Samtec	2SN-BK-G	2
T1	Transformer, 475uH, SMT	Würth Elektronik	760390014	1
TP1, TP3, TP9, TP12, TP13, TP14	Test Point, Miniature, Black, TH	Keystone	5001	6
TP2, TP4, TP5, TP6, TP7, TP10, TP15	Test Point, Miniature, Yellow, TH	Keystone	5004	7
TP8, TP11	Test Point, Miniature, Orange, TH	Keystone	5003	2
U1	CMOS Timer, 8-pin Mini SOIC, Pb-Free	Texas Instruments	LMC555CMM/NOPB	1
U2	LOW-POWER TRIPLE SCHMITT-TRIGGER INVERTER, DCU0008A	Texas Instruments	SN74AUP3G14DCUR	1
U3	1-OF-2 DECODER/DEMULTIPLEXER, DCK0006A	Texas Instruments	SN74LVC1G19DCKR	1
U4	LOW-POWER SINGLE POSITIVE-EDGE-TRIGGERED D-TYPE FLIP-FLOP WITH CLEAR AND PRESET, DQE0008A	Texas Instruments	SN74AUP1G74DQER	1

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