

AUTOSYS-783 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		AUTOSYS-783	Any	Printed Circuit Board	
C1	1	4700pF	CGA3E2X7R2A472K080AA	TDK	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C2, C4	2	15uF	CGA9P3X7S2A156M250KB	TDK	CAP, CERM, 15 uF, 100 V, +/- 20%, X7S, AEC-Q200 Grade 1, 2220	2220
C3	1	1000pF	GRM1555C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C5, C6	2	10uF	CGA6P3X7S1H106K250AB	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7S, AEC-Q200 Grade 1, 1210	1210
C7, C8	2	470pF	GRM155R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0402	0402
C9, C10, C11, C12, C17, C18	6	0.047uF	CGA3E2X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C13, C14	2	100uF	ELXZ500ELL101MH12D	Chemi-Con	CAP, AL, 100 uF, 50 V, +/- 20%, AEC-Q200 Grade 2, TH	D8xL12mm
C15, C16, C19, C20	4	0.1uF	C1005X7R1H104K050BE	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	0402
D1	1	60V	RB058L-60TE25	Rohm	Diode, Schottky, 60 V, 3 A, AEC-Q101, SMA	SMA
D2, D3, D4, D5	4	50V	S1AB-13-F	Diodes Incorporated	DIODE GEN PURP 50V 1A SMB	SMB
D6, D7	2	Green	150060VS75000	Würth Elektronik	LED, Green, SMD	LED_0603
J1, J2, J3	3		KF142R-5.08-2P	Cixi Kefa Electronics	1.5 5.08mm 14~22 15A 2P 250V 2 Push-Pull,P=5.08mm Spring Clamp System Terminal Block ROHS	HDR2
J4	1		SSQ-110-03-T-D	Samtec	Receptacle, 2.54mm, 10x2, Tin, TH	Receptacle, 2.54mm, 10x2, TH
J5, J6, J8	3		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J7	1		TSW-105-08-G-D-RA	Samtec	Header, 100mil, 5x2, Gold, R/A, TH	Header, 5x2, 100mil, R/A
L1, L2, L3, L4	4	6.8uH	CBC3225T6R8MR	TAIYO YUDEN	SMD Inductors 6.8uH ±20% 0.94A 0.156Ω 1210	1210
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
R2	1	15.0k	RC0402FR-0715KL	Yageo America	RES, 15.0 k, 1%, 0.063 W, 0402	0402
R3, R5	2	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R4	1	1.00k	RC0402FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.0625 W, 0402	0402
R6	1	3.3k	CRCW06033K30JNEA	Vishay-Dale	RES, 3.3 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7, R8, R11	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R9	1	5.6k	CRCW04025K60JNED	Vishay-Dale	RES, 5.6 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R10	1	12k	CRCW040212K0JNED	Vishay-Dale	RES, 12 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R12	1	8.2k	CRCW06038K20JNEA	Vishay-Dale	RES, 8.2 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
U1, U2	2		DRV3901QDQQRQ1	Texas Instruments	1 Channel, 12-V Automotive Pyro-fuse Driver with Functional Safety	VSSOP28
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
R1	0	0	CRCW25120000Z0EG	Vishay-Dale	RES, 0, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512

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