

Fitted	Description	Designator	Part Number	Quantity	Manufacturer	Package/Reference	Value
Fitted	Printed Circuit Board	PCB1	1IDA-010232		1 Any		
Fitted	CAP. CERM. 0.1 uF, 25 V, +/- 10%, X5R, 0603	C1, C3, C4, C5	GRM155R61E104K4B7D		4 MuRata	0402	0.1uF
Fitted	CAP. CERM. 1 uF, 25 V, +/- 10%, X5R, 0603	C2	GRM155R61E105KE11D		1 MuRata	0402	1uF
Fitted	CAP. CERM. 0.22 uF, 25 V, +/- 5%, X7R, 0603	C6, C8	C0603C224J3RAC7867		2 Kemet	0603	0.22uF
Fitted	CAP. CERM. 1000 uF, 50 V, +/- 5%, X7R, 0603	C7, C19, C20, C31	CL10C102JB8NNN		4 Samsung Electro-Mechanics	0603	1000pF
Fitted	CAP. CERM. 1 uF, 25 V, +/- 10%, X7R, 0603	C9, C22	CG3E1X7R1E105K0804C		2 TDK	0603	1uF
Fitted	CAP. CERM. 1000 uF, 50 V, +/- 10%, X7R, 0603	C10, C23	C0603C102K5RAC1TU		2 Kemet	0603	1000pF
Fitted	CAP. CERM. 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	C11, C13, C24, C25	C0603C104K5RAC AUTO		4 Kemet	0603	0.1uF
Fitted	CAP. CERM. 0.1 uF, 25 V, +/- 5%, X7R, 0603	C12, C21	C0603C104J3RAC		2 Kemet	0603	0.1uF
Fitted	CAP. CERM. 8200 uF, 50 V, +/- 10%, X7R, 0603	C14, C26	CL10B822KB8NN NC		2 Samsung Electro-Mechanics	0603	8200pF
Fitted	CAP. CERM. 1000 uF, 50 V, +/- 10%, X7R, 1206	C15, C17, C27, C29	12065C102KAT2A		4 AVX	1206	1000pF
Fitted	CAP. CERM. 0.1 uF, 50 V, +/- 10%, X7R, 1206	C16, C28	C1206C104K5RAC1TU		2 Kemet	1206	0.1uF
Fitted	CAP. CERM. 1 uF, 25 V, +/- 10%, X7R, 1206	C18, C30	12063C105KAT2A		2 AVX	1206	1uF
Fitted	Fiducial mark. There is nothing to buy or mount.	FID1, FID2, FID3, FID4, FID5, FID6	N/A		6 N/A	Fiducial	
Fitted	Receptacle, 2.54mm, 10x2, Tin, TH	J1, J2	SSO-110-03-T-D		2 Samtec	10x2 Receptacle	
Fitted	Header (shrouded) 3.81mm, 8x1, Tin, R/A, TH	J5	1803332		1 Phoenix Contact	Header (shrouded) 3.81mm, 8x1, R/A, TH	
Fitted		J6, J7, J8	1888687		3 Phoenix Contact	HDR2	
Fitted	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	LBL1	THT-14-423-10		1 Brady	PCR Label 0.650 x 0.200 inch	
Fitted	RES, 0.5%, 0.25 W, AEC-Q200 Grade 0, 1206	R1	ERJ-8GEY0R00V		1 Panasonic	1206	0
Fitted	RES, 909 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	R2	CRCW0603909KFKEA		1 Vishay-Dale	0603	909k
Fitted	A.81 kOhms ±0.1%, 0.4W, 2/SW Chip Resistor 1206 (3216 Metric) Anti-Sulfur, Automotive AEC-Q200, Moisture Resistant Thin Film	R3, R4, R5, R6, R7, R9, R10, R11, R12, R13, R20, R22, R23, R24, R25, R28, R29, R30, R31, R32	TNPW12066K81B EEN		20 Vishay Dale	1206	
Fitted	RES, 301 k, 1%, 0.1 W, 0603	R8	CRCW0603301KFKEA		1 Vishay-Dale	0603	301k
Fitted	RES, 1.00 k, 1%, 0.063 W, 0402	R14	CRCW04021K00FKED		1 Vishay-Dale	0402	1.00k
Fitted	RES, 120, 0.1%, 0.1 W, 0603	R15	RT0603BRD07120BL		1 Yageo America	0603	120
Fitted	RES, 8.25 k, 0.1%, 0.1 W, 0603	R16, R27	RG1608P-8251-B-T5		2 Susumu Co Ltd	0603	8.25k
Fitted	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	R17	CRCW04021K00FKED		1 Vishay-Dale	0402	1.00k
Fitted	RES 0 OHM JUMPER 1/4W 0603	R18, R33, R50, R51	HCJ06032TOR00		4 Stackpole Electronics	0603	0
Fitted	RES, 22.0, 0.1%, 0.063 W, 0603	R19, R45, R49	CPF0603B22R1		3 TE Connectivity	0603	22
Fitted	RES, 10.0 k, 0.1%, 0.1 W, 0603	R21, R26, R44, R46	RT0603BRD0710K		4 Yageo America	0603	10.0k
Fitted	RES, 110 k, 0.1%, 0.125 W, 0805	R34, R35, R36, R37, R38, R39, R41, R42, R43	RT0805BRD07110KL		9 Yageo America	0805	110k
Fitted	RES, 16.5 k, 0.1%, 0.1 W, 0603	R40, R48	RT0603BRD0716K5L		2 Yageo America	0603	16.5k
Fitted	RES, 2.10 k, 0.1%, 0.1 W, 0603	R47	RT0603BRD072K1L		1 Yageo America	0603	2.10k
Fitted	Linear Voltage Regulator IC 1 Output 200mA SOT-23-5	U1	TPS7A2401DBVR		1 Texas Instruments	SOT-23-5	
Fitted	Low-Drift, Low-Power, Dual-Output VREF and VREF/2 Voltage Reference, DDC0005A (SOT-23-T-5)	U2	REF2033AIDDCR		1 Texas Instruments	DDC0005A	
Fitted	Isolated Solid State Relay	U3, U4	TPS121400DWORQ1		2 Texas Instruments	SOIC11	
Fitted	Precision, ±1-V Input, Reinforced Isolated Amplifier With Integrated DC/DC Converter	U5, U7	AMC3330DWE		2 Texas Instruments	SOICW16	
Fitted	1-MHz, Low-Power Operational Amplifier for Cost-Sensitive Systems, DBV0005A (SOT-23-5)	U6, U8	TLV6001IDBVR		2 Texas Instruments	DBV0005A	