

<Parameter EVM\_Orderable not found>

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB1	1		Printed Circuit Board		TIDA-020002	Any	-	-
C1	1	4.7µF	CAP, CERM, 4.7uF, 25V, +/-20%, X7R, 0805	0805 (2012 Metric)	CGA4J1X7R1E475M125AC	TDK Corporation		
C2	1	0.1µF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0402	0402 (1005 Metric)	C1005X7R1E104K050B	TDK Corporation		
C3	1	10uF	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1206_190	1206_190	C3216X7R1E106M160AE	TDK		
C4	1	0.1uF	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0402	0402	CGA2B3X7R1H104M050BB	TDK		
C5	1	1uF	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603	GRM188R71E105KA12D	MuRata		
C6, C7, C8, C45, C48, C53, C56, C59	8	10uF	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0603	0603	GRM188Z71A106MA73D	MuRata		
C9	1	10uF	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206	TMK316AB7106KLHT	Taiyo Yuden		
C10, C12, C18, C25, C28, C29, C30, C31, C34, C36, C38, C41	12	1.0µF	CAP CER 1UF 6.3V 10% X7R 0402	0402 (1005 Metric)	CL05B105KQ5NQNC	Samsung Electro-Mechanics		
C11, C13, C15, C17, C19, C21, C23, C26, C32, C35, C44, C47, C52, C55	14	0.1uF	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402	0402YC104KAT2A	AVX		
C14, C16, C20, C22	4	4.7uF	CAP, CERM, 4.7 uF, 16 V, +/- 10%, X7R, 0603	0603	GRM188Z71A475ME15D	MuRata		
C24, C27	2	0.01uF	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X7R, 0402	0402	GRM155R70J103KA01D	MuRata		
C33	1	0.22uF	CAP, CERM, 0.22 uF, 10 V, +/- 10%, X7R, 0402	0402	GRM155R71A224KE01D	MuRata		
C37, C39, C42, C46, C49, C54	6	0.01uF	CAP, CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0402	0402	GRM155R71C103KA01D	MuRata		
C40	1	0.033uF	CAP, CERM, 0.033 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402	CGA2B3X7R1H333K050BB	TDK		
C43	1	0.015uF	CAP, CERM, 0.015 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402	CGA2B3X7R1H153K050BB	TDK		
C50, C60, C61	3	1uF	CAP, CERM, 1 uF, 6.3 V, +/- 20%, X7R, 0402	0402	GRM155R70J105MA12D	MuRata		
C51	1	0.022uF	CAP, CERM, 0.022 uF, 6.3 V, +/- 10%, X7R, 0402	0402	GRM155R70J223KA01D	MuRata		
C57, C58	2	1uF	CAP, CERM, 1 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603	LMK107B7105KAHT	Taiyo Yuden		
C62	1	0.1uF	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402	GRM155R71E104KE14D	MuRata		
J1	1		Straight Plug PCB	SMA	59S10H-40ML5-Y	Rosenberger	-	-
L1	1	2.2uH	Inductor, Multilayer, Ferrite, 2.2 uH, 1.2 A, 0.11 ohm, SMD	2.0x1.6mm	LQM2MPN2R2NG0	MuRata		
L2, L3, L4	3	1500 ohm	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603	BLM18HE152SN1D	MuRata		
L5	1	10uH	Inductor, Wirewound, Ferrite, 10 uH, 0.81 A, 0.288 ohm, AEC-Q200 Grade 1, SMD	3x3mm	LQH3NPZ100MJRL	MuRata		
L6	1	1000 ohm	Ferrite Bead, 1000 ohm @ 100 MHz, 0.4 A, 0603	0603	BLM18AG102SN1D	MuRata		
L7, L8	2	1uH	Inductor, Shielded, Metal Composite, 1 µH, 3.1 A, 0.06 ohm, AEC-Q200 Grade 0, SMD	0806	TFM201610ALMA1R0MTAA	TDK		
L9, L10, L11	3	1000 ohm	Ferrite Bead, 1000 ohm @ 100 MHz, 0.35 A, 0402	0402	BLM15AX102SN1D	MuRata		
LH1	1		Lens holder, M12x0.5, 11.2, centered	Lens holder, M12x0.5, 11.2, Centered	CMT821	Sunex		
R1	1	4.02k	RES, 4.02 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603	CRCW06034K02FKEA	Vishay-Dale		
R2	1	10.0k	RES, 10.0 k, 1%, 0.1 W, 0603	0603	RC0603FR-0710KL	Yageo		
R8, R9	2	1.5k	RES, 1.5 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW04021K50JNED	Vishay-Dale		
R10, R13	2	10k	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW040210K0JNED	Vishay-Dale		
R11	1	49.9	RES, 49.9, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW040249R9FKED	Vishay-Dale		
R14	1	40.2k	RES, 40.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW040240K2FKED	Vishay-Dale		
R15	1	402	RES, 402, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW0402402RFKED	Vishay-Dale		
U1	1		Automotive Camera PMIC, RGE0024K (VQFN-24)	RGE0024K	TPS650330QRGEQ1	Texas Instruments		Texas Instruments
U4	1		Diagonal 6.67mm (Type 1/2.7) CMOS Solid-state Image Sensor with Square Pixel and RGG Filter Array, BGA-96	BGA-96	IMX390CQV-W	Sony		
U5	1		2MP MIPI CSI-2 FPD-Link III Serializer for 2MP/60fps Cameras and RADAR, RHB0032P (VQFN-32)	RHB0032P	DS90UB953TRHBRQ1	Texas Instruments	DS90UB953TRHBTQ1	Texas Instruments
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
R12	0	0	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402	CRCW04020000Z0ED	Vishay-Dale		

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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