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Variant: Populated\_variant

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### ADAS Sensor Fusion Board

Designator	Description	Manufacturer	PartNumber	Quantity
!PCB	Printed Circuit Board	Any	518520C	1
C1, C2, C7, C8, C13, C14, C20, C21, C22, C27, C28, C36, C37, C42, C43, C47, C48, C52, C53, C57, C58, C62, C63, C68, C69, C74, C75, C80, C81, C86, C87, C88, C96, C97, C103, C104, C108, C109, C113, C114, C118, C119, C144, C145, C146, C147, C243, C258, C273, C288,	CAP, CERM, 10 $\mu$ F, 25 V, +/- 10%, X5R, 0805	Samsung, Samsung Electro-Mechanics	CL21A106KAFN3NE	54
C3, C9, C15, C23, C29, C38, C44, C49, C54, C59, C64, C70, C76, C82, C89, C98, C105, C110, C115, C120, C167, C297, C301, C305, C309, C_VIN1	CAP, CERM, 1 $\mu$ F, 35 V, +/- 10%, JB, 0402	TDK	C1005JB1V105K050BC	26

Designator	Description	Manufacturer	PartNumber	Quantity
C4, C10, C16, C19, C24, C26, C30, C39, C45, C50, C55, C60, C65, C71, C77, C83, C85, C90, C95, C99, C106, C111, C116, C121, C126, C150, C176, C196, C198, C200, C202, C204, C205, C216, C218, C220, C222, C224, C225, C236, C238, C241,	CAP, CERM, 0.1 $\mu$ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	MuRata	GCM155R71H104KE02D	65
C5, C6, C11, C12, C17, C18, C25, C31, C32, C33, C34, C40, C46, C51, C56, C61, C66, C67, C72, C73, C78, C79, C84, C91, C92, C93, C94, C100, C107, C112, C117, C122, C193, C299, C303, C307, C311	CAP, CERM, 0.01 $\mu$ F, 50V, +/-10%, C0G/NP0, 0402	MuRata	GCM155R71H103KA55D	37
C35, C41, C101, C102	CAP, CERM, 0.033 $\mu$ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	TDK	CGA2B3X7R1H333K050BB	4
C123, C128, C129	CAP, CERM, 0.1 $\mu$ F, 16V, +/-5%, X7R, 0603	AVX	0603YC104JAT2A	3
C124, C127, C162	CAP, CERM, 2200 pF, 10 V, +/- 10%, X5R, 0402	MuRata	GRM155R61A222KA01D	3
C125	CAP, CERM, 4.7 $\mu$ F, 10 V, +/- 20%, X5R, 0402	MuRata	GRM155R61A475M	1
C132	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0805	AVX	08055A101JAT2A	1

Designator	Description	Manufacturer	PartNumber	Quantity
C133	CAP, CERM, 1 $\mu$ F, 50 V, +/- 10%, X7R, 0805	MuRata	GRM21BR71H105KA12L	1
C134, C135, C136, C152	CAP, CERM, 4.7 $\mu$ F, 50 V, +/- 10%, X7S, 0805	MuRata	GRM21BC71H475KE11K	4
C137	CAP, CERM, 2.2 $\mu$ F, 50 V, +/- 10%, X5R, 0805	TDK	C2012X5R1H225K125AB	1
C138	CAP, AL, 560 $\mu$ F, 25 V, +/- 20%, 0.08 ohm, AEC-Q200 Grade 2, SMD	Panasonic	EEEEFPE561UAP	1
C139, C140, C141	CAP, CERM, 3.3 $\mu$ F, 25 V, +/- 10%, X6S, 0805	MuRata	GRM21BC81E335KA73L	3
C142	CAP, Aluminum Polymer, 470 $\mu$ F, 16 V, +/- 20%, 0.01 ohm, JC0 SMD	Panasonic	16SVPE470M	1
C148	CAP, CERM, 4.7 $\mu$ F, 25 V, +/- 10%, X5R, 0603	MuRata	GRM188R61E475KE11D	1
C149	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H101JA01D	1
C151	CAP, CERM, 0.15 $\mu$ F, 10 V, +/- 10%, X5R, 0402	MuRata	GRM155R61A154KE19D	1
C153, C157	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	MuRata	GRM155R71H152KA01D	2
C154	CAP, CERM, 0.015 $\mu$ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	TDK	CGA2B3X7R1H153K050BB	1
C155, C160, C164	CAP, CERM, 0.047 $\mu$ F, 6.3 V, +/- 10%, X5R, 0402	MuRata	GRM155R60J473KA01D	3
C156, C161, C165	CAP, CERM, 22 $\mu$ F, 10 V, +/- 20%, X5R, 0603	MuRata	GRM188R61A226ME15D	3
C158	CAP, AL, 47 $\mu$ F, 6.3 V, +/- 20%, 1.8 ohm, SMD	Panasonic	EEE-FC0J470R	1
C159	CAP, CERM, 18 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H180JA01D	1
C163	CAP, CERM, 51 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H510JA01D	1
C166	CAP, CERM, 2700 pF, 50 V, +/- 10%, X7R, 0402	MuRata	GRM155R71H272KA01D	1
C168, C169, C170	Cap, Cer-X7R, 10000pF, 16V, 10%, 0402	MuRata	GRM155R71C103KA01D	3
C171	CAP, CERM, 91 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H910JA01D	1
C172, C173, C174	CAP, CERM, 10 $\mu$ F, 50 V, +/- 10%, X5R, 1206_190	TDK	CGA5L3X5R1H106K160AB	3
C175	CAP CER 2.2UF 100V 10% X7R 1206	Samsung Electro-Mechanics America, Inc	CL31B225KCHSNNE	1
C177	CAP, CERM, 47 pF, 25 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1E470JA01D	1
C178	CAP, CERM, 0.33 $\mu$ F, 100 V, +/- 10%, X7R, 0805	MuRata	GRM21AR72A334KAC5L	1
C179	CAP, CERM, 0.47 $\mu$ F, 100V, +/-10%, X7R, 0805	MuRata	GRM21BR72A474KA73L	1
C180, C181	CAP, CERM, 2.2 $\mu$ F, 10 V, +/- 20%, X5R, 0603	Kemet	C0603C225M8PACTU	2
C182	CAP, CERM, 470 pF, 100 V, +/- 5%, C0G/NP0, 0805	AVX	08051A471JAT2A	1
C183, C187, C188, C189	CAP, CERM, 47 $\mu$ F, 10 V, +/- 10%, X5R, 1206	MuRata	GRM31CR61A476KE15L	4
C184, C185	CAP, AL, 220 $\mu$ F, 6.3 V, +/- 20%, 0.025 ohm, SMD	Chemi-Con	APXA6R3ARA221MH70G	2
C186, C190, C210, C211, C230, C231, C240, C247, C248, C255, C262, C263, C270, C277, C278, C285, C292, C293, Cbst1	CAP, CERM, 0.1 $\mu$ F, 100V, +/-10%, X7R, 0603, CAP, CERM, 0.1 $\mu$ F, 100 V, +/- 10%, X7R, 0603	MuRata	GRM188R72A104KA35D	19

Designator	Description	Manufacturer	PartNumber	Quantity
C191	CAP, CERM, 33 pF, 100 V, +/- 5%, C0G/NP0, 0603	AVX	06031A330JAT2A	1
C192	CAP, CERM, 0.22 µF, 10 V, +/- 10%, X5R, 0402	MuRata	GRM155R61A224KE19D	1
C194	CAP, CERM, 470 pF, 25 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1E471JA01D	1
C195	CAP, CERM, 0.022 µF, 16 V, +/- 10%, X7R, 0402	MuRata	GRM155R71C223KA01D	1
C197, C199, C201, C203, C217, C219, C221, C223, C237, C239, C252, C254, C267, C269, C282, C284	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 0805	Taiyo Yuden	TMK212BBJ106KG-T	16
C206, C207, C226, C227, C249, C264, C279, C294	CAP, CERM, 0.047 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	TDK	CGA2B3X7R1H473K050BB	8
C212, C213, C232, C233, C242, C257, C272, C287	CAP, AL, 100 µF, 16 V, +/- 20%, 0.4 ohm, SMD	Panasonic	EEE-FC1C101P	8
C_PVIN1, C_PVIN2, C_PVIN3	CAP, CERM, 10 µF, 10 V, +/- 20%, X6S, AEC-Q200 Grade 2, 0603	MuRata	GRT188C81A106ME13D	3
D1	Diode, TVS, Uni, 28 V, 600 W, SMB	Diodes Inc.	SMBJ28A-13-F	1
D2	Diode, TVS, Uni, 14 V, 600 W, SMB	Diodes Inc.	SMBJ14A-13-F	1
D3	Diode, Schottky, 100 V, 20 A, AEC-Q101, TO-277A	Fairchild Semiconductor	FSV20100V	1
D4	Diode, Schottky, 30 V, 2 A, SMB	Diodes Inc.	B230-13-F	1
D5	LED, Yellow/green, SMD	Rohm	SML-P12MTT86	1
D6, D11, D16	LED, Yellow, SMD	Rohm	SML-P12YTT86	3
D7, D13, D15, D18, D19	LED, Green, SMD	Rohm	SML-P12PTT86	5
D8	Diode, Schottky, 70V, 1A, SMA	Diodes Inc.	B170-13-F	1
D9	Diode, Schottky, 60 V, 1 A, SOD-323F	NXP Semiconductor	PMEG6010CEJ,115	1
D10, D12, D17	LED, Orange, SMD	Rohm	SML-P12DTT86	3
D14	Diode, Schottky, 100 V, 3 A, AEC-Q101, SMC	Vishay-Semiconductor	VS-30BQ100HM3/9AT	1
FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
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	Male, Differential, 0.5mm, 10 pair x2, Gold, SMT	Samtec	QTH-020-01-L-D-DP-A	1
J6, J11	Header, 100mil, 4x1, Gold, TH	Samtec	TSW-104-07-G-S	2

Designator	Description	Manufacturer	PartNumber	Quantity
J10	Receptacle, 50mil, 6x1, Gold, R/A, TH	Sullins Connector Solutions	LPPB061NGCN-RC	1
J14, J40	Header (Shrouded), 5.08 mm, 2x1, Tin, R/A, TH	Phoenix Contact	1757242	2
J15	Header, 100mil, 5x2, Gold, TH	Samtec	TSW-105-07-G-D	1
J22, J27	Header, 100mil, 3x1, Gold, TH	Samtec	TSW-103-07-G-S	2
J23, J24, J25, J26, J28, J30, J32, J34	RIGHT ANGLE PLUG FOR PCB	Rosenberger	59S20X-400L5-Y	8
J29, J31, J33, J35	Right Angle Plug for PCB, TH	Rosenberger	D4S20L-40MA5-Z	4
L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L78	1.5A Ferrite Bead, 330 ohm @ 100MHz, SMD, Ferrite Bead, 120 ohm @ 100 MHz, 3 A, 0603	MuRata	BLM18SG121TN1D	21
L21	Inductor, Shielded, Composite, 6.8 $\mu$ H, 18.5 A, 0.01 ohm, SMD	Coilcraft	XAL1010-682MEB	1
L22, L23, L24	Inductor, Drum Core, Ferrite, 4.7 $\mu$ H, 3.7 A, 0.03 ohm, SMD	Bourns	SDR0805-4R7ML	3
L25	Inductor, Shielded, Composite, 2.2 $\mu$ H, 32 A, 0.00255 ohm, SMD	Coilcraft	XAL1010-222MEB	1
L26, L27, L34, L35, L42, L49, L56, L63	Ferrite Bead, 1000 ohm @ 100 MHz, 0.8 A, 0603	TDK	MPZ1608S102ATA00	8
L28, L29, L38, L39, L51, L62, L70, L74	Inductor, Wirewound, Ferrite, 10 $\mu$ H, 0.81 A, 0.288 ohm, AEC-Q200 Grade 1, SMD	MuRata	LQH3NPZ100MJRL	8
L30, L31, L32, L33, L36, L37, L40, L41, L43, L44, L48, L50, L55, L57, L58, L64, L65, L69, L71, L72, L73, L75, L76, L77	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	MuRata	BLM18HE152SN1D	24
L45, L46, L52, L53, L59, L60, L66, L67	Inductor, Shielded, Ferrite, 10 $\mu$ H, 0.79 A, 0.32 ohm, SMD	Coilcraft	EPL3012-103MLB	8
L47, L54, L61, L68	Coupled inductor, 0.33 A, 0.35 ohm, SMD	MuRata	DLW21HN900SQ2L	4
L79, L80, L81, L82, L83, L84, L85, L86	Inductor, Shielded Drum Core, Ferrite, 100 $\mu$ H, 0.71 A, 0.36 ohm, SMD	Coilcraft	MSS7341-104MLB	8
Q1	MOSFET, N-CH, 40 V, 90 A, AEC-Q101, DPAK	Infineon Technologies	IPD90N04S304ATMA1	1
Q2	MOSFET, N-CH, 50 V, 0.22 A, SOT-23	Fairchild Semiconductor	BSS138	1
Q3	MOSFET, N-CH, 30 V, 19 A, SON 3.3x3.3mm	Texas Instruments	CSD17577Q3A	1
Q4	MOSFET, N-CH, 100 V, 200 A, TO-263-2	Texas Instruments	CSD19536KTT	1
Q5	MOSFET, N-CH, 25 V, 60 A, DQG0008A	Texas Instruments	CSD16340Q3	1

Designator	Description	Manufacturer	PartNumber	Quantity
Q6, Q7, Q8, Q9	MOSFET, N-CH, 40 V, 33 A, AEC-Q101, SOT669	NXP Semiconductor	BUK9Y21-40E,115	4
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R63, R64, R83, R104, R106, R110, R112	RES, 0, 5%, 0.063 W, 0402, RES, 0 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04020000Z0ED	27
R21	RES, 13.3 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040213K3FKED	1
R22, R35, R58, R59, R248, R249	RES, 487, 1%, 0.063 W, 0402, RES, 487 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402487RFKED	6
R24, R37	RES, 82.5 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040282K5FKED	2
R26, R30, R31, R39, R43, R52, R53, R87, R95, R101, R186, R245	RES, 10 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040210K0JNED	12
R27, R40	RES, 40.2 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040240K2FKED	2
R28, R41	RES, 102 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402102KFKED	2
R29, R42, R73, R74	RES, 100, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402100RFKED	4
R32, R33, R66, R75, R109, R119, R128, R129, R130, R131, R168, R169, R170, R171, R174, R175, R188, R189, R202, R203, R216, R217, R252	RES, 0, 5%, 0.1 W, 0603, RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	23
R34	RES, 113 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402113KFKED	1
R38	RES, 88.7 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040288K7FKED	1
R44, R45, R46, R47, R48, R49, R50, R228, R235, R240, R243	RES, 200, 5%, 0.063 W, 0402	Vishay-Dale	CRCW0402200RJNED	11
R51, R60, R61, R96, R250	RES, 220, 5%, 0.063 W, 0402	Vishay-Dale	CRCW0402220RJNED	5

Designator	Description	Manufacturer	PartNumber	Quantity
R54, R55, R56, R57, R67, R68, R231, R232, R236, R237, R238, R241, R242, R246, R247	Res, Chip, 4.7K, 1/16W, 5%, 0402, RES, 4.7 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW04024K70JNED	15
R62, R92, R93, R124, R125, R126, R127, R148	RES, 4.02 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06034K02FKEA	8
R65, R91	RES, 20 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040220K0JNED	2
R69, R70, R71, R72, R230, R233	RES, 4.7k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06034K70JNEA	6
R76	RES, 49.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040249K9FKED	1
R77	RES, 47 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040247K0JNED	1
R79	RES, 18.2 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040218K2FKED	1
R80	RES, 28.7 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040228K7FKED	1
R81	RES, 107 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402107KFKED	1
R82	RES, 5.23 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04025K23FKED	1
R84	RES, 28.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040228K0FKED	1
R85	RES, 45.3 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040245K3FKED	1
R86	RES, 14.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040214K0FKED	1
R88, R102	RES, 360, 5%, 0.063 W, 0402	Vishay-Dale	CRCW0402360RJNED	2
R89, R138, R139, R158, R159, R177, R191, R205, R219	RES, 100 k, 0.5%, 0.063 W, 0402	Vishay-Dale	CRCW0402100KDHDPE	9
R90, R99	RES, 10, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040210R0JNED	2
R94	RES, 6.98 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04026K98FKED	1
R97	RES, 8.25 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04028K25FKED	1
R98	RES, 4.87 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04024K87FKED	1
R100	RES, 21.5 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040221K5FKED	1
R108, R114, R115	RES, 4.99, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06034R99FKEA	3
R116	RES, 2.2, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06032R20JNEA	1
R117	RES, 0.004 ohm, 1%, 1W, 2010, AEC-Q200 Qualified	Rohm Semiconductor	PMR50HZPFV4L00	1
R118	RES, 49.9, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060349R9FKEA	1
R121	RES, 2.2 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW04022K20JNED	1
R122	RES, 10, 5%, 0.75 W, 2010	Vishay-Dale	CRCW201010R0JNEF	1
R123	RES, 12.1 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040212K1FKED	1

Designator	Description	Manufacturer	PartNumber	Quantity
R132, R133, R152, R153, R182, R183, R184, R195, R196, R198, R210, R211, R212, R223, R224, R226	RES, 49.9, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040249R9FKED	16
R134, R135, R154, R155, R185, R199, R213, R227	RES, 2.00 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06032K00FKEA	8
R136, R137, R156, R157, R176, R190, R204, R218	RES, 309 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402309KFKED	8
R140, R141, R160, R161, R178, R192, R206, R220	RES, 69.8 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040269K8FKED	8
R142, R143, R162, R163, R179, R193, R207, R221	RES, 30.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040230K9FKED	8
R144, R145, R164, R165, R180, R194, R208, R222	RES, 44.2 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040244K2FKED	8
R146, R147, R166, R167, R181, R197, R209, R225	RES, 16.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040216K9FKED	8



Designator	Description	Manufacturer	PartNumber	Quantity
R172, R173, R187, R200, R201, R214, R215, R253	RES, 0.01, 1%, 1 W, AEC-Q200 Grade 0, 0508	Susumu Co Ltd	KRL2012E-M-R010-F-T5	8
Rsense1	RES, 0.005, 1%, 1 W, 0612	Susumu Co Ltd	PRL1632-R005-F-T1	1
S1, S2	Switch, Push Button, SMD	Alps	SKRKAEE010	2
S3, S4, S5	Switch, Slide, SPST 4 poles, SMT	CTS Electrocomponents	218-4LPST	3
TP1, TP2, TP3, TP4	Test Point, 0.025"	STD	STD	4
TP15, TP40, TP41, TP42, TP43	Test Point, Multipurpose, Black, TH	Keystone	5011	5
U1, U2	FPD-Link III Camera Hub Deserializer, RGC0064G	Texas Instruments	DS90UB960TRGCRQ1	2
U3	16 MHz Mixed Signal Microcontroller with 32 KB Flash, 1024 B SARM and 32 GPIOs, -40 to 105 degC, 38-pin SOP (DA)	Texas Instruments	MSP430F2272TDAQ1	1
U4, U5, U6	Automotive Catalog ESD Protected, High-Speed USB 2.0 (480-Mbps) 1:2 Multiplexer / Demultiplexer Switch, 16 ohm RON, 2.5 to 3.3V, -40 to 125 degC, 10-Pin UQFN (RSE), Green (RoHS & no Sb/Br)	Texas Instruments	TS3USB221AQRSERQ1	3
U7	Smart Diode Controller, DGK0008A	Texas Instruments	LM74610QDGKRQ1	1
U8	Wide Input Synchronous Boost Controller with Disconnection Switch Control, PWP0020A	Texas Instruments	LM5121MH/NOPB	1
U9	4.5V to 18V Input Voltage, 3A/2A/2A Output Current Step-Down Converter with I2C controlled DVS., RHB0032E (VQFN-32)	Texas Instruments	TPS65263QRHBRQ1	1
U10	Wide Input Range Buck Controller, RGE0024H	Texas Instruments	LM5141QRGERQ1	1
U11, U12, U13, U14, U15, U17, U19, U21	2.7 – 18V eFuse with True Reverse Blocking and DevSleep Support for SSDs, RVC0020A	Texas Instruments	TPS25940ARVCR	8
U16, U18, U20, U22	Low-Capacitance + / - 15 kV ESD-Protection Array for High-Speed Data Interfaces, 2 Channels, -40 to +85 degC, 5-pin SOT (DRL), Green (RoHS & no Sb/Br)	Texas Instruments	TPD2E001DRLR	4
U23, U24, U25, U26	One Channel Differential 2:1 Mux/Demux, RWA0014A	Texas Instruments	HD3SS3411IRWARQ1	4
U27		Catalyst Semiconductor	CAT24C256WI-GT3	1
Y1	XO, 25.000MHz, 2.5V, SMD	TXC Corporation	7C-25.000MCB-T	1

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