None 12/12/2016 8:08:51 AM 01005

TIDA-01005 REV E1.0 Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		TIDA-01005	Any	Printed Circuit Board	
C1, C3, C5, C7,	14	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0402	0402
C9, C10, C15,						
C17, C19, C21,						
C23, C24, C70,						
C77						
C2, C4, C6, C8,	8	10uF	C1608X5R1E106M080AC	TDK	CAP, CERM, 10 μF, 25 V, +/- 20%, X5R, 0603	0603
C16, C18, C20,						
C22						
C11, C12, C25,	4	0.047uF	C1005X7R1H473K050BB	TDK	CAP, CERM, 0.047 μF, 50 V, +/- 10%, X7R, 0402	0402
C26						
C29, C31	2	0.1uF	CGA2B3X7R1H104M050BB	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0402	0402
C30	1	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 μF, 10 V, +/- 10%, X7R, 0603	0603
C32, C33, C34,	4	4.7uF	C3216X7R1E475M160AC	TDK	CAP, CERM, 4.7 μF, 25 V, +/- 20%, X7R, 1206_190	1206_190
C35						
C36, C109	2		GRM155R70J104KA01D	MuRata	Cap, Cer-X7R, 0.1uF, 6.3V, 10%, 0402	0402
C37, C38, C39	3	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 μF, 25 V, +/- 10%, X7R, 1206	1206
C40	1		GRM155R70J473KA01D	MuRata	Cap, Cer-X7R, 0.047uF, 6.3V, 10%, 0402	0402
C41	1	100pF	CC0402KRX7R9BB101	Yageo America	Cap, Cer-X7R, 100pF, 50V, 10%, 0402	0402
C42	1		GRM155R71C103KA01D	MuRata	Cap, Cer-X7R, 10000pF, 16V, 10%, 0402	0402
C43, C48, C52	3	10uF	GRM31CR71C106KAC7L	MuRata	CAP, CERM, 10 μF, 16 V, +/- 10%, X7R, 1206	1206
C44, C45, C49,	6	22uF	GRM31CR61C226KE15L	MuRata	CAP, CERM, 22 μF, 16 V, +/- 10%, X5R, 1206	1206
C50, C53, C54						
C46	1	47uF	EEE-FK1E470P	Panasonic	CAP, AL, 47 μF, 25 V, +/- 20%, 0.36 ohm, SMD	SMT Radial D
C47, C51, C55,	16	1uF	C1005JB1V105K050BC	TDK	CAP, CERM, 1 μF, 35 V, +/- 10%, JB, 0402	0402
C57, C61, C67,						
C81, C85, C88,						
C92, C98, C99,						
C100, C103,						
C104, C105						
C56, C60, C80,	7	10uF	CL21A106KAFN3NE	Samsung	CAP, CERM, 10 μF, 25 V, +/- 10%, X5R, 0805	0805
C96, C97, C101,						
C102						
C58, C62, C68,	10	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C71, C75, C78,						
C82, C86, C89,						
C93						
C59, C63, C64,	16	0.01uF	GCM155R71H103KA55D	MuRata	CAP, CERM, 0.01uF, 50V, +/-10%, C0G/NP0, 0402	0402
C65, C66, C69,						
C72, C76, C79,						
C83, C84, C87,						
C90, C91, C94,						
C95						
C73, C74	2	0.033uF	CGA2B3X7R1H333K050BB	TDK	CAP, CERM, 0.033 μF, 50 V, +/- 10%, X7R, 0402	0402
C106, C110,	3	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	0603
C112						
C107, C111	2	2200pF	UMK105B7222KV-F	Taiyo Yuden	Cap, Cer-X7R, 2200pF, 50V, 10%, 0402	0402 (1005 Metric)
C108	1	4.7uF	LMK212B7475KG-T	Taiyo Yuden	Cap, Cer-X7R, 4.7uF, 10V, 10%, 0805	0805
D1	1	26V	SMBJ26A-13-F	Diodes Inc.	Diode, TVS, Uni, 26 V, 600 W, SMB	SMB
D2	1	Red	SML-P12UTT86	Rohm	LED, Red, SMD	LED, 1x.2x.6mm
D3	1	14V	SMBJ14A-13-F	Diodes Inc. Page	ne 1 Diode, TVS, Uni, 14 V, 600 W, SMB	SMB

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
D4	1		B360-13-F	Diodes Inc.	Diode, Schottky, 3A, 60V, SMC	SMC
D5, D8, D13	3	Green	SML-P12PTT86	Rohm	LED, Green, SMD	LED, 1x.2x.6mm
D6	1		SML-P12MTT86	Rohm	LED, Yellow/green, SMD	0402 LED
D7, D12	2	Yellow	SML-P12YTT86	Rohm	LED, Yellow, SMD	Yellow LED
D9	1	Red		Rohm	LED, Red, SMD	LED, 1x.2x.6mm
D10	1	Blue	SMLP13BC8TT86	Rohm	LED, Blue, SMD	1x0.6mm
D14	1	Orange		Rohm	LED, Orange, SMD	Orange LED
FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
114 110 110 114			00011		MACHINE COREW DANIOLOTTED NO	
H1, H2, H3, H4	4		29341	Keystone Electronics	MACHINE SCREW PAN SLOTTED M3	
H9, H10, H11, H12	4		CBTS140A	Essentra Components	HEX STANDOFF M3 NYLON 40MM	
J1, J2, J3, J4	4			Rosenberger	RIGHT ANGLE PLUG FOR PCB	16.6x11.6x8.5mm
J5	1	2x1	1727010	Phoenix Contact	Conn Term Block, 2POS, 3.81mm, TH	2POS Terminal Block
J8, J22, J23, J24, J25	5		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J9, J10, J11, J13, J21, J26, J35	7		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
J15, J29, J30	3		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
J17	1		TSW-104-07-G-D	Samtec	Header, 100mil, 4x2, Gold, TH	4x2 Header
J18	1		QTH-020-04-L-D-DP-A	Samtec	Male, Differential, 0.5mm, 10 pair x2, Gold, SMT	Male, Differential, 0.5mm, 10x2, SMT
J20	1		TSW-105-07-G-D	Samtec	Header, 100mil, 5x2, Gold, TH	5x2 Header
J27	1		TSM-108-01-L-DV	Samtec	Header, 2.54mm, 8x2, Gold, SMT	Header, 2.54mm, 8x2, SMT
J28	1		TSM-102-01-L-SV	Samtec	Header, 100mil, 2x1, Gold with Tin Tail, SMT	2x1 Header
J31	1		851-43-006-20-001000	Mill-Max	Receptacle, 50mil, 6x1, Gold, R/A, TH	Receptacle, 6x1, 50mil pitch, R/A
J32, J36	2		TSW-104-07-G-S	Samtec	Header, 100mil, 4x1, Gold, TH	4x1 Header
L1, L2, L9, L10	4	1000 ohm	BLM18AG102SN1D	MuRata	Ferrite Bead, 1000 ohm @ 100 MHz, 0.4 A, 0603	0603
L3, L5, L11, L13	4	10uH	ADL322VT-100	MuRata	Inductor, Wirewound, Ferrite, 10 µH, 0.5 A, 0.57 ohm, SMD	3.0x0.9x3.0mm
L4, L6, L12, L14	4	100uH	MSS7341T-104MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 100 µH, 0.7 A, 0.28 ohm, SMD	MSS7341
L7, L8, L15, L16	4		BLM18HE152SN1D	MuRata	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603
L17	1		DRQ127-2R2-R	Coiltronics	Ind, Dual, 2.2uH, 20%, 6.23A, 8.05mE, Shielded, SMD	12.5x8.0x12.5mm
L18, L19, L20	3	2.2uH	VLS201610HBX-2R2M	TDK	Inductor, Shielded, Ferrite, 2.2 µH, 1.45 A, 0.170 ohm, SMD	2.0x0.95x1.6mm
L21	1	120 ohm	BLM18SG121TN1D	MuRata	Ferrite Bead, 120 ohm @ 100 MHz, 3 A, 0603	0603
L22, L23, L24, L25, L26	5	120 ohm	BLM18SG121TN1D	MuRata	1.5A Ferrite Bead, 330 ohm @ 100MHz, SMD	0603
Q1	1	60V	SQ4850EY	Vishay-Siliconix	MOSFET, N-CH, 60 V, 12 A, SOIC-8	SOIC-8
R1, R3, R9, R11	4	1.00k	ERJ-3EKF1001V	Panasonic	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R2, R4, R10, R12	4	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R5, R6, R13, R14	4	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.063 W, 0402	0402
R17	1	0	CRCW20100000Z0EF	Vishay-Dale	RES, 0, 5%, 0.75 W, 2010	2010
R18, R22, R76, R90	4	2.2k	CRCW04022K20JNED	Vishay-Dale	RES, 2.2 k, 5%, 0.063 W, 0402	0402
R19	1	0	CRCW08050000Z0EA	Vishay-Dale	Res, Chip, 0E, 1/8W, JUMP, 0805	0805
R20	1	100K	CRCW1206100KJNEA	Vishay-Dale	Res, Chip, 100K, 1/4W, 5%, 1206	1206
R21, R91, R92, R110	4	10K	CRCW040210K0JNED	Vishay-Dale	Res, Chip, 10K, 1/16W, 5%, 0402	0402
R23	1	2.32k	CRCW04022K32FKED	Vishay-Dale	RES, 2.32k ohm, 1%, 0.063W, 0402	0402
R24	1	49.9	CRCW040249R9FKED	Vishay-Dale	RES, 49.9 ohm, 1%, 0.063W, 0402	0402
R25	1	18.2k	CRCW040218K2FKED	Vishay-Dale	RES, 18.2k ohm, 1%, 0.063W, 0402	0402
R26	1	69.8	CRCW040269R8FKED	Vishay-Dale	RES, 69.8, 1%, 0.063 W, 0402	0402
R27	1	82k	CRCW040282K0JNED		RE\$, 82 k, 5%, 0.063 W, 0402	0402

R28	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R37, R39, R42	R28	1	8.06k	CRCW04028K06FKED	Vishay-Dale	RES, 8.06 k, 1%, 0.063 W, 0402	
RED 1 318K CREWOMORSTREFEEA Vishay-Dale RES, 316 k, 1%, 0.11 W, 0803 000		6	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R31_R58_R41 3 108		1	316k	CRCW0603316KFKFA	Vishav-Dale	RES, 316 k, 1%, 0.1 W, 0603	0603
R33							
RSS							
R88	R35	1					
R40		1					
R43, R56, R411, 4		·					
R44, R64	R43, R59, R111,						
R45, R46, R56, 5 0 ER-2GERGOX Panasonic RES., 0.5%, 0.063 W, 0402 0402		2	10k	CRCW040210K0 INFD	Vishay-Dale	RES 10k ohm 5% 0.063W 0402	0402
R87, R88							
R47			o a	210 2020110071	Tanasomo	1125, 0, 070, 0.000 11, 0102	0.102
R48		1	13 3k	CRCW040213K3FKFD	Vishay-Dale	RES 13.3 k 1% 0.063 W 0402	0402
R89		'					
R60	R49						
R51	R50						
RS2 1 0 ERJ-ZGE0RODX Panassonic RES, 0 ohm, 5%, 0.063W, 0402 0402 RS3 1 562 k RCW0040256KSFRED Vishay-Dale RES, 56.2 k, 3%, 0.063 W, 0402 0402 RS5 1 210k CRCW060230002CEA Vishay-Dale RES, 510 k, 1%, 0.063 W, 0402 0402 R80, R103, R106 CRCW060300002CEA Vishay-Dale RES, 210 k, 1%, 0.063 W, 0402 0402 R80, R103, R106 CRCW040221KFKED Vishay-Dale RES, 11.5 k, 1%, 0.063 W, 0402 0402 R82, R87, R81, R82, R87, R81, R84 4 11.5k CRCW04021KFKED Vishay-Dale RES, 11.5 k, 1%, 0.063 W, 0402 0402 R84 CRCW04021KFKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R84 CRCW04021KFKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R85 CRCW04021KFKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R86 CRCW04022KFKED Vishay-Dale RES, 1.5 k, 1%, 0.76 W, AEC-Q200 Grade 0, 2010 2010 R87 R88, R89, R89, R89, R89, R89, R89, R100, R109							
RSS		-					
R65			-				
R64, R66, R78, R00, R106 6 0 CRCW0603000020EA Vishay-Dale RES, 0 hm, 5%, 0.1W, 0603 0603 R65, R68, R79, R81, R82, R67, R70, R81, R82, R67, R70, R81, R84, R84 4 11.5k CRCW040211K5FKED Vishay-Dale RES, 100 k, 1%, 0.063 W, 0402 0402 R86, R78, R83, R85, R85, R85, R86 4 1.21k CRCW040221K5FKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R87, R71, R72, R86, R87 4 1.21k CRCW08051K21FKEA Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R87 R88, R87, R88, R89, R89, R89, R89, R89, R89, R89					-		
R80, R103, R106 R85, R88, R79, 4 100k CRCW0402100KFKED Vishay-Dale RES, 100 k, 1%, 0.063 W, 0402 0402							
R85, R86, R79, R82 4 100k CRCW0402100KFKED Vishay-Dale RES, 100 k, 1%, 0.063 W, 0402 0402 R87, R70, R81, R84 4 11.5k CRCW040221K5FKED Vishay-Dale RES, 11.5 k, 1%, 0.063 W, 0402 0402 R86 R75, R83, R84 4 21.5k CRCW040221K5FKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R87 R71, R72, R86, R85 4 1.21k CRCW08051K21FKEA Vishay-Dale RES, 21.5 k, 1%, 0.025 W, 0805 0805 R87 R87, R87, R88, R89, R89, R89, R89, R89, R89, R96, R89, R100, R101, R101 4 4.7K CRCW04024K70JNED Vishay-Dale RES, 0 ohm, 5%, 0.063W, 0402 0402 R104, R109, R101, R104, R109, R113, R114,		0	U	CRCW00030000Z0EA	Visitay-Date	1825, 0 011111, 370, 0.177, 0003	0003
R82		1	100k	CPCW0402100KEKED	Vichov Dolo	DES 100 k 1% 0.063 W 0402	0402
R87, R70, R81, R84 4 11.5k CRCW040211K5FKED Vishay-Dale RES, 11.5 k, 1%, 0.063 W, 0402 0402 R84 R89, R75, R83, R83, R85, R85 4 21.5k CRCW040221K5FKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R87 R87, R74, R86, R87 4 1.50k CRCW08051K21FKEA Vishay-Dale RES, 1.21 k, 1%, 0.125 W, 0805 0805 R87 R87, R88, R87, R88, R89, R89, R89, R89, R89, R89, R99, R9		4	TOOK	CKCW0402100KFKED	VISITAY-Date	KES, 100 K, 170, 0.003 W, 0402	0402
R88, R75, R83, R85 4 21.5k CRCW040221K5FKED Vishay-Dale RES, 21.5 k, 1%, 0.063 W, 0402 0402 R85 A1, R72, R86, R87 4 1.21k CRCW08051K21FKEA Vishay-Dale RES, 1.21 k, 1%, 0.125 W, 0805 0805 R87 R74, R88, R89, R89, R89, R89, R89, R89, R89	R67, R70, R81,	4	11.5k	CRCW040211K5FKED	Vishay-Dale	RES, 11.5 k, 1%, 0.063 W, 0402	0402
R71, R72, R86, R87 R73, R74, R88, R87 R73, R74, R88, R89 R89, R89 R89, R89 R89, R89 R89, R89, R89 R89, R89, R89 R89, R89, R89, R89, R80 R89, R89, R80 R89, R89, R89, R80 R89, R89, R89, R89, R80 R89, R80 R89, R80 R89, R89, R80 R89, R89, R80	R69, R75, R83,	4	21.5k	CRCW040221K5FKED	Vishay-Dale	RES, 21.5 k, 1%, 0.063 W, 0402	0402
R73, R74, R88, R89 4 1.50k CRCW20101K50FKEF Vishay-Dale RES, 1.50 k, 1%, 0.75 W, AEC-Q200 Grade 0, 2010 2010 R93, R94, R95, R93, R99, R96, R97, R98, R99, R100, R101, R102 4 4.7K CRCW04020000Z0ED Vishay-Dale RES, 0 ohm, 5%, 0.063W, 0402 0402 R104, R109, R113, R114, R116 5 4.7k CRCW06034K70JNEA Vishay-Dale RES, 4.7k ohm, 5%, 0.1W, 0603 0603 R112, R117 2 487 CRCW0402200RJNED Vishay-Dale RES, 200, 5%, 0.063 W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 497 ohm, 1%, 0.063W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 497 ohm, 1%, 0.063W, 0402 0402 R15, P2 2 SKEKAEE010 Alps Switch, Tactile, 12v, 50mA, Vertical, SMD 2.9v2x3.9mm SMD TP21, TP22, TP24, TP24, TP15, TP16, TP15, TP16, TP18, TP18, TP16, TP18, TP18,	R71, R72, R86,	4	1.21k	CRCW08051K21FKEA	Vishay-Dale	RES, 1.21 k, 1%, 0.125 W, 0805	0805
R93, R94, R95, R96 4 4.7K CRCW04024K70JNED Vishay-Dale Res, Chip, 4.7K, 1/16W, 5%, 0402 0402 R97, R98, R99, R97, R98, R99, R100, R101, R102 6 0 CRCW04020000Z0ED Vishay-Dale RES, 0 ohm, 5%, 0.063W, 0402 0402 R104, R109, R104, R109, R105, R107, R106 5 4.7k CRCW06034K70JNEA Vishay-Dale RES, 4.7k ohm, 5%, 0.1W, 0603 0603 R113, R114, R116 8 200 CRCW0402200RJNED Vishay-Dale RES, 200, 5%, 0.063 W, 0402 0402 R108, R107, R108 3 200 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 S1, S2 2 2 SKRKAEE010 Alps Switch, Tactile, 12v, 50mA, Vertical, SMD 2.9x2x3.9mm SMD TP8, TP9, TP10, TP22, TP22, TP23, TP24 TP10, TP22, TP22, TP23, TP24 TEst Point, Miniature, Red, TH Red Miniature Testpoint TP14, TP15, TP16, TP18 TP19, TP20 2 STD STD Test Point, III (Camera Hub Deserializer, RGC0064G	R73, R74, R88,	4	1.50k	CRCW20101K50FKEF	Vishay-Dale	RES, 1.50 k, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R97, R98, R99, R100, R101, R101, R102 6 0 CRCW04020000Z0ED Vishay-Dale RES, 0 ohm, 5%, 0.063W, 0402 0402 R104, R109, R104, R109, R113, R114, R116 5 4.7k CRCW06034K70JNEA Vishay-Dale RES, 4.7k ohm, 5%, 0.1W, 0603 0603 R105, R107, R106, R107, R108 3 200 CRCW0402200RJNED Vishay-Dale RES, 200, 5%, 0.063 W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 S1, S2 2 SKRKAEE010 Alps Switch, Tactile, 12v, 50mA, Vertical, SMD 2.9x2x3.9mm SMD TPS, TP6, TP7, TP8, TP9, TP10, TP21, TP22, TP22, TP24 Test Point, Miniature, Red, TH Red Miniature Testpoint TP91, TP12, TP14, TP15, TP16, TP16, TP16, TP16, TP16, TP16, TP16, TP18, TP19, TP20 2 STD STD Test Point, Miniature, Black, TH Black Miniature Testpoint TP19, TP20 2 STD STD Test Point, III Camera Hub Deserializer, RGC0064G RGC0064G	R93, R94, R95,	4	4.7K	CRCW04024K70JNED	Vishay-Dale	Res, Chip, 4.7K, 1/16W, 5%, 0402	0402
R102 R104, R109, R104, R109, R113, R114, R114 5 4.7k CRCW06034K70JNEA Vishay-Dale RES, 4.7k ohm, 5%, 0.1W, 0603 0603 R105, R107, R108 3 200 CRCW0402200RJNED Vishay-Dale RES, 200, 5%, 0.063 W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 R112, R117 2 487 CRCW0402487RFKED Vishay-Dale RES, 487 ohm, 1%, 0.063W, 0402 0402 R12, R117 10 Red 5000 Alps Switch, Tactile, 12v, 50mA, Vertical, SMD 2.9x2x3.9mm SMD TP5, TP6, TP7, TP3, TP10, TP21, TP22, TP22, TP23, TP24 TP0 Red 5000 Keystone Test Point, Miniature, Red, TH Red Miniature Testpoint TP11, TP12, TP15, TP14, TP15, TP16, TP16, TP18 TP17, TP20 2 STD STD Test Point, O.025" U1 1 DS90UB964TRGCRQ1 Texas Instruments FPD-Link III Camera Hub Deserializer, RGC0064G	R97, R98, R99,	6	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
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TP19, TP20 2 STD STD Test Point, O.025" U1 1 DS90UB964TRGCRQ1 Texas Instruments FPD-Link III Camera Hub Deserializer, RGC0064G RGC0064G	TP11, TP12, TP14, TP15,	6	Black	5001	Keystone	Test Point, Miniature, Black, TH	
U1 1 DS90UB964TRGCRQ1 Texas Instruments FPD-Link III Camera Hub Deserializer, RGC0064G RGC0064G		2	STD	STD	STD	Test Point, O.025"	
				_		·	RGC0064G
TANDER OF THE PROPERTY OF THE	U2	1		LM74610QDGKRQ1	Texas Instruments	Smart Diode Controller, DGK0008A	DGK0008A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U3	1		TPS55340QRTERQ1	Texas Instruments	Integrated 5-A 40-V Wide Input Range Boost/SEPIC/Flyback DC-DC	RTE0016C
					Regulator, RTE0016C	
U4, U6, U8	3		TPS62160QDSGRQ1	Texas Instruments	3-V to 17-V 1-A Step-Down Converter with DCS-Control™, DSG0008A	DSG0008A
U5, U7, U9	3		SN74LVC1G125DCKR	Texas Instruments	Single Bus Buffer Gate With 3-State Output, DCK0005A	DCK0005A
U10, U11	2		TPS7B7702QPWPRQ1	Texas Instruments	Dual Channel Antenna LDO with Current Sense, 4.5 to 40 V Vin, 1.5 to 20	PWP0016D
					V Vout, -40 to 125 degC, PWP0016D	
U12	1		MSP430F2272TDAQ1	Texas Instruments	16 MHz Mixed Signal Microcontroller with 32 KB Flash, 1024 B SARM and	DA0038A
					32 GPIOs, -40 to 105 degC, 38-pin SOP (DA)	
U13	1		TS3USB221AQRSERQ1	Texas Instruments	IC, TS3USB221A-Q1, Dual USB Switch, UQFN-10	RSE0010A
U14, U15	2		TS3USB221AQRSERQ1	Texas Instruments	Automotive Catalog ESD Protected, High-Speed USB 2.0 (480-Mbps) 1:2	RSE0010A
					Multiplexer / Demultiplexer Switch, 16 ohm RON, 2.5 to 3.3V, -40 to 125	
					degC, 10-Pin UQFN (RSE), Green (RoHS & no Sb/Br)	
Y1	1		7C-25.000MCB-T	TXC Corporation	XO, 25.000MHz, 2.5V, SMD	5.0x1.2x3.2mm

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