

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
	L5963DN	U4	Automotive dual monolithic switching regulator with LDO and HSD			POWERSSO36	L5963DN-EHT			ST Microelectronics
OR	OR	R1	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R3	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R6	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R7	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R8	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R9	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R11	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R43	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R50	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R51	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R66	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R67	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R86	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R92	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R98	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R105	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR	R129	Resistor SMD			RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR_DNP	R85	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR_DNP	R107	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603JR-070RL			YAGEO
OR	OR_DNP	R139	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603JR-070RL			YAGEO
1k	1k	R32	Resistor SMD			RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k	R88	Resistor SMD			RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k	R93	Resistor SMD			RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k	R130	Resistor SMD			RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R87	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R89	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R90	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R100	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R101	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R102	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k	1k_DNP	R103	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-071KL			YAGEO
1k5	1k5	R31	Resistor SMD			RES-0603-SMALL	RC0603FR-071K5L			YAGEO
1k5	1k5	R34	Resistor SMD			RES-0603-SMALL	RC0603FR-071K5L			YAGEO
1k5	1k5	R37	Resistor SMD			RES-0603-SMALL	RC0603FR-071K5L			YAGEO
1k6	1k6	R25	Resistor SMD			RES-0603-SMALL	RC0603FR-071K6L			YAGEO
1k8	1k8	R18	Resistor SMD			RES-0603-SMALL	RC0603FR-071K8L			YAGEO
1n	1n	C185	Capacitor X7R		X7R	CAP-0603-SMALL	06033C102KAT2A			AVX
1N4148W	1N4148W	D4	Default Diode			SOD-123	1N4148W-HE3-08			Vishay Semiconductors
1N4148W	1N4148W_DNP	D5	Default Diode	Not Assembled		SOD-123	1N4148W-HE3-08			Vishay Semiconductors
1u	1u	C51	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C61	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C67	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C149	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C190	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA

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1u	1u	C192	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C194	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C200	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1u	1u	C205	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E105KA99L			MURATA
1v2	1v2	LD2	RED			LED_SMD_0805_RE D	APT2012SRCPRV			Kingbright
1V2	1V2_DNP	TP21	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
2k2	2k2	R13	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R21	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R60	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R62	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R68	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R69	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R70	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R71	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R72	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R73	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R74	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R75	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R76	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R77	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R78	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R79	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R152	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R157	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2k2	2k2	R158	Resistor SMD			RES-0603-SMALL	RC0603FR-072K2L			YAGEO
2n2	2n2	C81	Capacitor X7R			CAP-0603-SMALL	C0603C222K5RACTU			KEMET
2n2	2n2	C90	Capacitor X7R			CAP-0603-SMALL	C0603C222K5RACTU			KEMET
2u2	2u2	C1	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
2u2	2u2	C3	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
2u2	2u2	C21	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
2u2	2u2	C50	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
2u2	2u2	C53	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
2u2	2u2	C54	Capacitor X7R			CAP-0805-SMALL	GRM21BR71E225KA73L			MURATA
3A	3A	F1	Fuse		Resetable	FUSE-2920	2920L300/15DR	Mouser	576-2920L300/15DR	Littelfuse
3n9	3n9	C78	Capacitor X7R			CAP-0603-SMALL	CL10B392KB8NFNC			SAMSUNG
3n9	3n9	C84	Capacitor X7R			CAP-0603-SMALL	CL10B392KB8NFNC			SAMSUNG

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3n9	3n9	C96	Capacitor X7R			CAP-0603-SMALL	CL10B392KB8NFNC			SAMSUNG
3u3	3u3	C76	Capacitor X7R			CAP-0805-SMALL	C2012X7R1C335K125AB			TDK
3V3	3V3	LD5	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
3V3	3V3_DNP	TP20	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
3V3_ADC	3V3_ADC_DNP	TP19	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
4k7	4k7	R22	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R27	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R29	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R38	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R91	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R115	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R117	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R119	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R121	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R122	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R123	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R124	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R125	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R126	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R127	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R128	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4k7	4k7	R132	Resistor SMD			RES-0603-SMALL	RC0603FR-074K7L			YAGEO
4n7	4n7	C198	Capacitor X7R			CAP-0603-SMALL	ESD31C472K4T2A-18			AVX
4u7	4u7	C13	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C18	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C28	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C31	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C34	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C49	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C87	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C214	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C215	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C221	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4u7	4u7	C223	Capacitor X7R			CAP-0805-SMALL	TMK212AB7475KG-T			TAIYO YUDEN
4.87k	4.87k	R53	Resistor SMD			RES-0603-SMALL	RC0603FR-074K87L			YAGEO
5k1	5k1	R20	Resistor SMD			RES-0603-SMALL	RC0603FR-075K1L			YAGEO
5k1	5k1	R33	Resistor SMD			RES-0603-SMALL	RC0603FR-075K1L			YAGEO

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5V	5V	LD4	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
5V	5V_DNP	TP17	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
5x2	5x2	P2	Header, 5-Pin, Dual row			30310-6002HB-3M	30310-6002HB	Mouser	517-30310-6002	3M Electronic Solutions Division
8p	8p	C57	Capacitor X7R		NPO	CAP-0603-SMALL	CL10C080DB8NNNC			SAMSUNG
8p	8p	C58	Capacitor X7R		NPO	CAP-0603-SMALL	CL10C080DB8NNNC			SAMSUNG
8x2	Header 8X2	CAN_P1	Header, 8-Pin, Dual row			MOLEX-702461601	70246-1601	Mouser	538-70246-1601	Molx
8x2	Header 8X2	CAN_P2	Header, 8-Pin, Dual row			MOLEX-702461601	70246-1601	Mouser	538-70246-1601	Molx
10k	10k	R5	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R12	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R14	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R24	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R80	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R82	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R83	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R84	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R94	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R95	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R96	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R97	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R104	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R112	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R113	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R114	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R131	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R134	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R135	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R136	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R140	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R143	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R144	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R145	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k	R146	Potentiometer		Horizontal	TRIM-3386F	3386F-1-103LF			BOURNS
10k	10k	R147	Potentiometer		Horizontal	TRIM-3386F	3386F-1-103LF			BOURNS
10k	10k	R155	Resistor SMD			RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R4	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R10	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R81	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R110	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R141	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10k	10k_DNP	R142	Resistor SMD	Not Assembled		RES-0603-SMALL	RC0603FR-0710KL			YAGEO
10n	10n	C5	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C7	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C9	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA

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10n	10n	C11	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C14	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C16	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C19	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C29	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C33	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C36	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C38	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C40	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C42	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C44	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C46	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C48	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C64	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C115	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C148	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10n	10n	C226	Capacitor X7R			CAP-0603-SMALL	GCM188R71H103KA37J			MURATA
10p	10p	C197	Capacitor X7R			CAP-0603-SMALL	GCM1885C1H100JA16D			Murata Electronics
10p	10p	C199	Capacitor X7R			CAP-0603-SMALL	GCM1885C1H100JA16D			Murata Electronics
10pF	10pF	C104	Capacitor X7R			CAP-0603-SMALL	C0603C100J5GACTU			KEMET
10pF	10pF	C105	Capacitor X7R			CAP-0603-SMALL	C0603C100J5GACTU			KEMET
10pF	10pF	C117	Capacitor X7R			CAP-0603-SMALL	C0603C100J5GACTU			KEMET
10pF	10pF	C118	Capacitor X7R			CAP-0603-SMALL	C0603C100J5GACTU			KEMET
10R	10R	R23	Resistor SMD			RES-0603-SMALL	RC0603FR-0710RL			YAGEO
10R	10R	R30	Resistor SMD			RES-0603-SMALL	RC0603FR-0710RL			YAGEO
10R	10R	R109	Resistor SMD			RES-0603-SMALL	RC0603FR-0710RL			YAGEO
10R	10R	R111	Resistor SMD			RES-0603-SMALL	RC0603FR-0710RL			YAGEO
10u	10u	C55	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK

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10u	10u	C65	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C66	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C75	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C82	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C91	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C100	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C106	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C110	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C153	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C155	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C157	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C161	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C163	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C175	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C177	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C178	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u	C196	Capacitor X7R		X7R	CAP-1206	CGA5L1X7R1E106K160AC			TDK
10u	10u_DNP	C116	Capacitor X7R	Not Assembled	X7R	CAP-1210	GRM32ER7YA106KA12L			MURATA
10uH	INDUCTOR	L6	SMD Power Inductor		X BRUGORA	B82464-P4	B82464P4103M000			EPCOS
12k	12k	R156	Resistor SMD			RES-0603-SMALL	MC0063W0603112K			MULTICOMP
12k1	12k1	R99	Resistor SMD			RES-0603-SMALL	RC0603FR-0712K1L			YAGEO
12MHz	12MHz	X5	SMD Crystal			QUARZO-SMD-TXC-7B-SERIES	7B-12.000MAAJ-T	Mouser	717-7B-12.000MAAJ-T	TXC Corporation
12p	12p	C59	Capacitor X7R		COG	CAP-0603-SMALL	C1608COG1H120J080AA			TDK
12p	12p	C60	Capacitor X7R		COG	CAP-0603-SMALL	C1608COG1H120J080AA			TDK
12V	12V	LD3	RED			LED_SMD_0805_RE D	APT2012SRCPRV			Kingbright
12V	12V_DNP	TP16	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
13k	13k	R16	Resistor SMD			RES-0603-SMALL	RC0603FR-0713KL			YAGEO
15n	15n	C79	Capacitor X7R			CAP-0603-SMALL	C0603C153K5RAC			KEMET
15n	15n	C88	Capacitor X7R			CAP-0603-SMALL	C0603C153K5RAC			KEMET

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
15u	15u	C95	Capacitor X7R			CAP-1210	C1210C156K8PACTU			KEMET
18p	18p	C228	Capacitor X7R		COG	CAP-0603-SMALL	C1608COG1H180J080AA			TDK
18p	18p	C229	Capacitor X7R		COG	CAP-0603-SMALL	C1608COG1H180J080AA			TDK
20k	20k_DNP	R2	Resistor SMD	Not Assembled		RES-0603-SMALL	CRCW060320K0FKEA			VISHAY
22R	22R	R44	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R45	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R46	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R47	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R48	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R49	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R52	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R56	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R57	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R58	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R59	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R61	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R63	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R64	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
22R	22R	R65	Resistor SMD			RES-0603-SMALL	RC0603FR-0722RL			YAGEO
24k	24k	R28	Resistor SMD			RES-0603-SMALL	RC0603FR-0724KL			YAGEO
25MHz	25MHz	X3	SMD Crystal		SMD Crystal	QUARZO-SMD-TXC-7M-SERIES	7M-25.000MEEQ-T	Mouser	717-7M-25.000MEEQ-T	TXC Corporation
25MHz	25MHz	X4	SMD Crystal		SMD Crystal	QUARZO-SMD-TXC-7M-SERIES	7M-25.000MEEQ-T	Mouser	717-7M-25.000MEEQ-T	TXC Corporation
25MHz_out	25MHz_out	TP23	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
30k	30k	R15	Resistor SMD			RES-0603-SMALL	RC0603FR-0730KL			YAGEO
32.768KHz	XT-2PIN	X2	SMD Quartz TXC AH			QUARZO-SMD-TXC-AH-SERIES	AH-32.768KDFW-T			TXC
33uH	INDUCTOR	L5	SMD Inductor		X AMIRA	WURTH_WE-PD_12x12-SIZE-1260	744771133			WURTH ELEKTRONIK
39p	39p	C80	Capacitor X7R			CAP-0603-SMALL	CGA3E2C0G1H390J080AA			TDK
40MHz	40MHz	X1	SMD Crystal		SMD Crystal	QUARZO-SMD-TXC-7M-SERIES	7M-40.000MEEQ-T			TXC Corporation
47k	47k	R137	Resistor SMD			RES-0603-SMALL	RC0603FR-0747KL			YAGEO
47n	47n	C32	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C35	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C37	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C39	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C41	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C43	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
47n	47n	C45	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C47	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C85	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47n	47n	C93	Capacitor X7R			CAP-0603-SMALL	C1608X7R1H473K080AA			TDK
47p	47p	C89	Capacitor X7R			CAP-0603-SMALL	06035A470JAT2A			AVX
47R	47R	R133	Resistor SMD			RES-0805-SMALL	RC0805FR-0747RL			YAGEO
47R	47R	R138	Resistor SMD			RES-0805-SMALL	RC0805FR-0747RL			YAGEO
47u	47u	C112	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47u	47u	C124	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47u	47u	C129	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47u	47u	C133	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47u	47u	C141	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47u	47u	C146	Capacitor X7R			CAP-1210	GRM32ER71A476KE15L			MURATA
47uF	47uF	C69	SMD Electrolytic Cap.			EL-CAP-SMD-CASE-D	255VF47M			PANASONIC
49R9	49R9	R39	Resistor SMD			RES-0603-SMALL	RC0603FR-0749R9L			YAGEO
49R9	49R9	R40	Resistor SMD			RES-0603-SMALL	RC0603FR-0749R9L			YAGEO
49R9	49R9	R41	Resistor SMD			RES-0603-SMALL	RC0603FR-0749R9L			YAGEO
49R9	49R9	R42	Resistor SMD			RES-0603-SMALL	RC0603FR-0749R9L			YAGEO
60Ω@100MHz	60Ω@100MHz	L1	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L2	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L3	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L4	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L14	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L15	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L16	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L17	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L18	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L19	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L20	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L21	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik



Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
60Ω@100MHz	60Ω@100MHz	L22	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L23	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L24	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L26	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L27	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L28	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L29	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
60Ω@100MHz	60Ω@100MHz	L30	Inductor			0603-BEAD	74279267	Mouser	710-74279267	Würth Elektronik
100k	100k	R36	Resistor SMD			RES-0402-SMALL	RN73H1ETTP1003F50			KOA
100n	100n	C2	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C4	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C6	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C8	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C10	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C12	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C15	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C17	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C20	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C22	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C23	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C24	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C25	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C26	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C27	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C30	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C52	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
100n	100n	C56	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C62	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C63	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C68	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C70	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C71	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C72	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C74	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C77	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C83	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C92	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C97	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C98	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C99	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C101	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C102	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C103	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C107	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C108	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C109	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C111	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C113	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C114	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C119	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C120	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C121	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
100n	100n	C122	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C123	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C125	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C126	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C127	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C128	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C130	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C131	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C132	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C134	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C135	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C136	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C137	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C138	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C139	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C140	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C142	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C143	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C144	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C145	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C147	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C150	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C151	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C152	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C154	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C156	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
100n	100n	C158	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C159	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C160	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C162	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C164	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C165	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C166	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C167	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C168	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C169	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C170	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C171	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C172	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C173	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C174	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C176	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C179	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C180	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C181	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C182	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C183	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C184	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C187	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C188	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C189	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C191	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
100n	100n	C193	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C195	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C201	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C202	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C203	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C204	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C206	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C207	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C208	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C209	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C210	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C211	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C212	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C213	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C216	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C217	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C218	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C219	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C220	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C222	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C224	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C225	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C227	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C230	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
100n	100n	C231	Capacitor X7R			CAP-0603-SMALL	C0603C104K3RACTU			KEMET
120R	120R	R116	Resistor SMD			RES-0805-SMALL	RC0805FR-07120RL			YAGEO
120R	120R	R118	Resistor SMD			RES-0805-SMALL	RC0805FR-07120RL			YAGEO
120R	120R	R120	Resistor SMD			RES-0805-SMALL	RC0805FR-07120RL			YAGEO

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
180R	180R	R106	Resistor SMD			RES-0603-SMALL	RC0603FR-07180RL			YAGEO
180R	180R	R108	Resistor SMD			RES-0603-SMALL	RC0603FR-07180RL			YAGEO
220p	220p	C86	Capacitor X7R			CAP-0603-SMALL	GRM1885C1H221JA01D			Murata
220p	220p	C94	Capacitor X7R			CAP-0603-SMALL	GRM1885C1H221JA01D			Murata
220p	220p	C186	Capacitor X7R		X7R	CAP-0603-SMALL	C0603C104K3RACTU			KEMET
220R	220R	R159	Resistor SMD			RES-0603-SMALL	ERJ-3EKF2200V			Panasonic
220R	220R	R160	Resistor SMD			RES-0603-SMALL	ERJ-3EKF2200V			ERJ-3EKF2200V
220uF	220uF	C73	SMD Electrolytic Cap.			EL-CAP-SMD-CASE-F	EEH-ZE1E221P			PANASONIC
330R	330R	R54	Resistor SMD			RES-0603-SMALL	RC0603FR-07330RL			YAGEO
330R	330R	R55	Resistor SMD			RES-0603-SMALL	RC0603FR-07330RL			YAGEO
560R	560R	R19	Resistor SMD			RES-0603-SMALL	RC0603FR-07560RL			YAGEO
560R	560R	R26	Resistor SMD			RES-0603-SMALL	RC0603FR-07560RL			YAGEO
680R	680R	R35	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R148	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R149	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R150	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R151	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R153	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
680R	680R	R154	Resistor SMD			RES-0603-SMALL	RC0603FR-07680RL			YAGEO
910R	910R	R17	Resistor SMD			RES-0603-SMALL	RC0603FR-07910RL			YAGEO
A_VDDL	A_VDDL_DNP	TP27	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
AVDDH	AVDDH_DNP	TP26	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
AVDDL_PLL	AVDDL_PLL_DNP	TP30	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
BC848	BC848	T1	NPN Bipolar Transistor			SOT23_BEC_T	BC848BLT3G	Mouser	863-BC848BLT3G	ON Semiconductor
BCP68-25	BCP68-25	Q1	NPN Bipolar Transistor			SOT223_BCE_T	BCP68-25	RS	509-649	NXP
BCX52-16	BCX52-16	Q3	PNP - BCX52-16			SOT89_BCE_T	BCX52-16,135	Mouser	771-BCX52-16,135	NXP
BM	BM	TP55	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
BP	BP	TP58	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN0_0_H	CAN0_0_H_DNP	TP41	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN0_0_L	CAN0_0_L_DNP	TP40	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN1_0_H	CAN1_0_H_DNP	TP44	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN1_0_L	CAN1_0_L_DNP	TP43	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN2_0_H	CAN2_0_H_DNP	TP47	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN2_0_L	CAN2_0_L_DNP	TP45	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
CAN_0_0	DB9	J2	Conn DB9 Male 90°			DB9-HM	5504F1-09P-02A-03			MULTICOMP
CAN_1_0	DB9	J3	Conn DB9 Male 90°			DB9-HM	5504F1-09P-02A-03			MULTICOMP
CAN_1_1	DB9	J4	Conn DB9 Male 90°			DB9-HM	5504F1-09P-02A-03			MULTICOMP

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
CLK	CLK	JP20	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
Closed	Closed	JP4	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP5	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP6	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP7	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP8	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP10	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP11	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP12	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP13	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP14	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP15	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP24	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP25	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP26	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP27	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP28	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP29	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP30	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP31	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP32	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP37	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP38	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP39	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP40	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP41	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
Closed	Closed	JP42	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP43	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP44	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	JP45	Jumper 1x2.54_CLOSED - (See Mech Parts)		2 male pins + Jumper	STRIP-2-M-V	826646-2	Mouser	571-826646-2	TE Connectivity
Closed	Closed	SB1	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL	Mouser	667-ERJ-U060R00V	YAGEO
Closed	Closed	SB2	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB3	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB4	Circuit Breaker	Closed		RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB5	Circuit Breaker	Closed		RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB6	Circuit Breaker	Closed		RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB7	Circuit Breaker	Closed		RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB9	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB11	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB12	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB13	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB14	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB15	Circuit Breaker	Closed	OR	RES-0805-SMALL	RC0805JR-070RL			YAGEO
Closed	Closed	SB16	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB17	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB18	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB19	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB20	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB21	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB22	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB23	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB24	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB25	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB26	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB27	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB28	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB29	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB30	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB31	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB32	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB33	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB34	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB35	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB36	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB37	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB38	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB39	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB40	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB41	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL	Mouser	667-ERJ-3GEYOR00V	YAGEO
Closed	Closed	SB44	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB45	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Closed	Closed	SB46	Circuit Breaker	Closed	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO



Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
CMD	CMD	JP18	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
ComMode Coil	ComMode Coil	L25	DLW43SH101XK2		100uH@1MHz	MURATA-DLW43SH101	DLW43SH101XK2	Mouser	81-DLW43SH101XK2L	Murata Electronics
DATA0	DATA0	JP17	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
DATA1	DATA1	JP19	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
DATA2	DATA2	JP21	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
DATA3	DATA3	JP23	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
DB9-Female	DB9	J5	Conn DB9 Female 90°			DB9-HF	5504F1-09S-02A-03			MULTICOMP
DC Female (5.5/2.1mm)	DC Female (5.5/2.1mm)	J1	DC Input			PRESA_CC_2.1_FC68148	FC68148 DC10A			CLIFF ELECTRONIC COMPONENTS
DC Switch	DC Switch	S1	Slide Switch 2 positions ON-ON			NKK-CS12ANW03	CS12ANW03	Mouser	633-CS12ANW03	NKK Switches
DP83848CVV	DP83848CVV	U5	10/100 Mb/s Ethernet Physical Layer Transceiver			48_LQFP	DP83848CVVX	Mouser	926-DP83848CVVX/NOPB	TI
DS	DS	TP32	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
DVDDH	DVDDH_DNP	TP29	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
DVDDL	DVDDL_DNP	TP28	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
EMIF06-MSD02N16	EMIF06-MSD02N16	U11	6-line IPAD™, EMI filter and ESD protection			QFN16_3.5X1.2_PIT CH0.4	EMIF06-MSD02N16	Mouser	511-EMIF06-MSD02N16	STMicroelectronics
EXTREG_SEL	EXTREG_SEL	JP1	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
EXTREG_SEL	EXTREG_SEL_DNP	TP10	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
FBCLK	FBCLK	JP22	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
FDT434P	FDT434P	Q2	P-Channel MOSFET		Alternative:F DN302P	SOT223_GDS_T	QFN-48	Mouser	512-FDT434P	OnSemiconductor
FF-M3x20-NY	TORRETTA-FF	Z1	Female / Female Nylon Hex Threaded Spacer M3x20mm							
FF-M3x20-NY	TORRETTA-FF	Z2	Female / Female Nylon Hex Threaded Spacer M3x20mm							
FF-M3x20-NY	TORRETTA-FF	Z3	Female / Female Nylon Hex Threaded Spacer M3x20mm							
FF-M3x20-NY	TORRETTA-FF	Z4	Female / Female Nylon Hex Threaded Spacer M3x20mm							
FlaxRay	FlaxRay	P5	Header, 2-Pin, Dual row			MOLEX-878340419	87834-0419	Mouser	538-87834-0419	Molex
FlexRay_RX Sel	FlexRay_RX Sel	JP36	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
FlexRay_TX Sel	FlexRay_TX Sel	JP34	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
FlexRay_TXEN Sel	FlexRay_TXEN Sel	JP35	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
FT232HL	FT232HL	U20	FT232HL Hi-Speed USB to Multipurpose UART/FIFO IC			48_LQFP	FT232HL	Mouser	895-FT232HL-REEL	FTDI
GF1A	GF1A	D6	GF1A			SMA	GF1A	Mouser	512-GF1A	ON Semiconductor / Fairchild
GND	GND	TP12	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND	TP13	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND	TP22	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND	TP36	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP15	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP25	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP31	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP39	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP42	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP50	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP54	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP57	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP61	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND	GND_DNP	TP63	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GND_USB	GND_USB_DNP	TP62	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
GPCconnector	GPCconnector_DNP	P3	Header, 12-Pin, Dual row	Not Assembled		MOLEX-878312220	87831-2220	Mouser	538-87831-2220	Molex
HI1206N101R-10	HI1206N101R-10	L7	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L8	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L9	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L10	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L11	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L12	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HI1206N101R-10	HI1206N101R-10	L13	Inductor			1206-BEAD	HI1206N101R-10	Mouser	875-HI1206N101R-10	Laird
HPReg_Sel	HPReg_Sel	JP2	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
HPREG_SEL	HPREG_SEL_DNP	TP11	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
HSP061-4M10Y	HSP061-4M10Y_DNP	U6	Automotive 4-line ESD protection for high speed lines	Not Assembled		UQFN10	HSP061-4M10Y	Mouser	511-HSP061-4M10Y	STMicroelectronics
HSP061-4M10Y	HSP061-4M10Y_DNP	U7	Automotive 4-line ESD protection for high speed lines	Not Assembled		UQFN10	HSP061-4M10Y	Mouser	511-HSP061-4M10Y	STMicroelectronics

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
HSP061-4M10Y	HSP061-4M10Y_DNP	U8	Automotive 4-line ESD protection for high speed lines	Not Assembled		UQFN10	HSP061-4M10Y	Mouser	511-HSP061-4M10Y	STMicroelectronics
IS21ES08G-JCLI	IS21ES08G-JCLI	U10	8GB eMMC with MMC 5.0 Interface with MMC 5.0 Interface			153FBGA_11.5X13X0.5	IS21ES08G-JCLI	Mouser	870-IS21ES08G-JCLI	ISSI
J1011F21PNL	J1011F21PNL	RJ1	100 Base-TX (Fast Ethernet) RJ45 1x1 Tab-UP with LEDs			PULSE-J1011F21PNL	J1011F21PNL	Mouser	673-J1011F21PNL	Pulse Electronics
JK0-0136NL	JK0-0136NL	JK1	10/100/1000 Base-T, AutoMDIX			PULSE-JK0-0136NL	JK0-0136NL	Mouser	673-JK0-0136NL	Pulse Electronics
JTAG - 2x7	JTAG - 2x7	P1	Header, 7-Pin, Dual row			CN-FLAT-14-V	70246-1404	Mouser	538-70246-1404	Molex
KSZ9031RNX	KSZ9031RNX	U9	Gigabit Ethernet Transceiver with RGMII Support			48QFN_7X7X0.85_0.5_EXPAD_3.5X3.5	KSZ9031RNXIA	Mouser	998-KSZ9031RNXIA	Microchip Technology / Micrel
L9637	L9637	U17	L9637			SO8NB	E-L9637D	Mouser	511-E-L9637D	STMicroelectronics
LD1086DT50TR	REG_FIX	U3	Volt. Reg. Linear 5V 1.5A		X VILLA (2B170624)	DPAK_GOI_H_VR	LD1086DT50TR			STMicroelectronics
LED_User_1	LED_User_1	LD9	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
LED_User_2	LED_User_2	LD6	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
LED_User_3	LED_User_3	LD8	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
LED_User_4	LED_User_4	LD7	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright
LIN - KLine	LIN - KLine	P4	Header, 4-Pin, Dual row			MOLEX-702460801	70246-0801	Mouser	538-70246-0801	Molex
LIN Sel	LIN Sel	JP33	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
MAX3233EEWP+TG36	MAX3233EEWP+TG36	U19	±15kV ESD-Protected, 1µA, 250kbps, 3.3V, Dual RS-232 Transceiver with Internal Capacitor			SO20	MAX3233EEWP+TG36	Mouser	700-MAX3233EEWPTG36	Maxim Integrated
MCP2562FD	MCP2562FD	U13	High-Speed CAN Flexible Data Rate Transceiver			SO8NB	MCP2562FDT-E/SN	Mouser	579-MCP2562FDT-E/SN	Microchip
MCP2562FD	MCP2562FD	U14	High-Speed CAN Flexible Data Rate Transceiver			SO8NB	MCP2562FDT-E/SN	Mouser	579-MCP2562FDT-E/SN	Microchip
MCP2562FD	MCP2562FD	U15	High-Speed CAN Flexible Data Rate Transceiver			SO8NB	MCP2562FDT-E/SN	Mouser	579-MCP2562FDT-E/SN	Microchip
MII/RMII	MII/RMII	JP16	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
MMSZ4684T1G	MMSZ4684T1G	D3	Zener Diode			SOD-123	MMSZ4684T1G		863-MMSZ4684T1G	ON Semiconductor
Open	Open_DNP	SB8	Circuit Breaker	Not Assembled	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Open	Open_DNP	SB10	Circuit Breaker	Not Assembled	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
Open	Open_DNP	SB42	Circuit Breaker	Not Assembled	OR	RES-0603-SMALL	RC0603JR-070RL	Mouser	71-CRCW06030000Z0EAC	YAGEO
Open	Open_DNP	SB43	Circuit Breaker	Open	OR	RES-0603-SMALL	RC0603JR-070RL			YAGEO
RED	RED	LD1	RED			LED_SMD_0805_RED	APT2012SRCPRV			Kingbright

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
RESET	RESET	RB1	SE PUSHBUTTON		Color	ALPS-SKHHAJA010	SKHHAJA010	Mouser	688-SKHHAJ	ALPS
RESET	RESET_DNP	TP14	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
RS232 Inv Level	RS232 Inv Level	TP59	Test Point (Male Pin)			STRIP-1-M-V	68001-401HLF			Amphenol FCI
RX	RX	LD10	RED			LED_SMD_0805_RE D	APT2012SRCPRV			Kingbright
S71KL256SC0BHB000	S71KL256SC0BHB000	U12	HyperFlash™ and HyperRAM™ Multi-Chip Package 1.8V/3V			24BGA_6X8_1.0_5X5_CYPRESS	S71KL256SC0BHB000	Mouser	727-S71KL256SC0BHB000	Cypress Semiconductor
SMAJ24A	SMAJ24A_DNP	D2	Schottky Diode	Not Assembled		SMA	SMAJ24A-TR	Mouser	511-SMAJ24A-TR	STMicroelectronics
SPC58NH92C5	SPC58NH92C5	U1	SPC58NH92C5_BGA386			FPBGA386_19X19_0.8_B05X	SPC58NH92C5			STMicroelectronics
STM6315RDW13F	STM6315RDW13F	U2	STM6315RDW13F			SOT-143	STM6315RDW13F	Mouser	511-STM6315RDW13F	STM
STPS340U	STPS340U	D1	Schottky Diode			SMB_D	STPS340U	Mouser	511-STPS340U	STMicroelectronics
STxx	STxx	P7	Header, 10-Pin, Dual row			TFC-110-31-F-D	TFC-110-31-F-D	Farnell	1801562	SAMTEC
SW_User_1	SW_User_1	PB1	SE PUSHBUTTON		Color	ALPS-SKHHAJA010	SKHHAJA010	Mouser	688-SKHHAJ	ALPS
SW_User_2	SW_User_2	PB2	SE PUSHBUTTON		Color	ALPS-SKHHAJA010	SKHHAJA010	Mouser	688-SKHHAJ	ALPS
SW_User_3	SW_User_3	PB3	SE PUSHBUTTON		Color	ALPS-SKHHAJA010	SKHHAJA010	Mouser	688-SKHHAJ	ALPS
TFT - ILI9341	TFT - ILI9341	CN1	TFT Port - Female Strip			TFT-ILI9341	2212S-14SG-85			MULTICOMP
TJA1021T20	TJA1021T20	U16	LIN 2.1/SAE J2602 transceiver			SO8NB	TJA1021T/20/CM,118	Mouser	771-TJA1021T20CM118	NXP
TJA1080ATS	TJA1080ATS	U18	TJA1080			SSOP20	TJA1080ATS	Mouser	771-TJA1080ATS2T118	NXP
TX	TX	LD11	RED			LED_SMD_0805_RE D	APT2012SRCPRV			Kingbright
UART	UART	P6	Header, 4-Pin, Dual row			MOLEX-702460801	70246-0801	Mouser	538-70246-0801	Molex
UART_Opto Rx-TX	UART_Opto Rx-TX	JP47	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
UART_Opto Tx-Rx	UART_Opto Tx-Rx	JP46	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
USB Mini-B	USB Mini-B	USB1	USB-MINI_B			CONN_MOLEX_67503-1020	67503-1020	Mouser	538-67503-1020	Molex
USBL6-2P6	USBL6-2P6	U21	USBL6-2P6			SOT-666	USBL6-2P6	Mouser	511-USBL6-2P6	STMicroelectronics
uSD Card	uSD Card	SD1	Conn SMD Micro SD Card Connector			MICRO_SD_693071010811_WURTH	693071010811	Mouser	710-693071010811	Würth Electronics
V3X6-Y	VITE-PIATTA	Z5	Screw M3x6mm Flat Slotted Head Nylon 6/6							Rs Pro
V3X6-Y	VITE-PIATTA	Z6	Screw M3x6mm Flat Slotted Head Nylon 6/6							Rs Pro
V3X6-Y	VITE-PIATTA	Z7	Screw M3x6mm Flat Slotted Head Nylon 6/6							Rs Pro
V3X6-Y	VITE-PIATTA	Z8	Screw M3x6mm Flat Slotted Head Nylon 6/6							Rs Pro
VBat_K-Line	VBat_K-Line_DNP	TP51	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI

Value	Comment	Designator	Description	Assembly Option	Note	Footprint	Manufacturer P/N	Supplier	Supplier P/N	Manufacturer
VBat_LIN	VBat_LIN_DNP	TP53	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
Vbatt+	Vbatt+_DNP	TP18	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VCC_eMMC	VCC_eMMC_DNP	TP33	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VCC_HBus	VCC_HBus_DNP	TP37	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VCCQ_eMMC	VCCQ_eMMC_DNP	TP34	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VCCQ_HBus	VCCQ_HBus_DNP	TP38	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_CAN_0_0	VDD_CAN_0_0_DNP	TP46	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_CAN_1_0	VDD_CAN_1_0_DNP	TP48	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_CAN_2_0	VDD_CAN_2_0_DNP	TP49	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_ETH_0	VDD_ETH_0_DNP	TP24	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_Flex	VDD_Flex_DNP	TP56	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_Sel	VDD_HV_Sel	JP3	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
VDD_HV_ADR	VDD_HV_ADR_DNP	TP1	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_EMMC	VDD_HV_EMMC_DNP	TP3	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_ETH0	VDD_HV_ETH0_DNP	TP4	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_ETH1	VDD_HV_ETH1_DNP	TP5	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_FL A	VDD_HV_FL A_DNP	TP2	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_IO_MAIN	VDD_HV_IO_MAIN_DNP	TP6	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_HV_OSC	VDD_HV_OSC_DNP	TP7	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_K-Line	VDD_K-Line_DNP	TP52	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_LV	VDD_LV_DNP	TP8	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_LV_Sel	VDD_LV_Sel	JP9	3xMale pin - 0.1" - Default 1-2 - (See Mech Parts)		Default 1-2	STRIP-3-M-V	87891-0306	Mouser	538-87891-0306	Molex
VDD_LV_PLL	VDD_LV_PLL_DNP	TP9	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_UART	VDD_UART_DNP	TP60	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VDD_uSD	VDD_uSD_DNP	TP35	Test Point (Male Pin)	Not Assembled		STRIP-1-M-V	68001-401HLF			Amphenol FCI
VOM452T	VOM452T	U22	Analog High Speed Coupler			SOP-5	VOM452T	Mouser	782-VOM452T	Vishay Semiconductors
VOM452T	VOM452T	U23	Analog High Speed Coupler			SOP-5	VOM452T	Mouser	782-VOM452T	Vishay Semiconductors