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Revision	1.0

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	26	C1 C6 C7 C8 C9 C10 C11 C61 C62 C67 C68 C69 C70 C75 C76 C77 C80 C81 C84 C85 C88 C89 C92 C104 C105 C107	0.1uF		10V	±10%	X7R	C0402|C0402L	C0402X7R100-104K	Venkel
	9	C13 C15 C17 C19 C21 C23 C25 C27 C29	1uF		10V	±10%	X7R	C0603|C0603L	GRM188R71A105KA61D	MuRata
	8	C30 C33 C38 C42 C46 C49 C54 C58	0.01uF		16V	±20%	X7R	C0603	C0603X7R160-103M	Venkel
	9	C31 C34 C39 C41 C47 C50 C55 C59 C96	4.7uF		10V	±20%	X7R	C1206	C1206X7R100-475M	Venkel
	8	C32 C35 C40 C43 C48 C51 C56 C102	10uF		25V	±20%	TANT	C6032	T491C106M025ZT	Kemet
	12	C36 C37 C44 C45 C52 C53 C57 C60 C97 C99 C103 C106	1uF		16V	±20%	X7R	C0805	C0805X7R160-105M	Venkel
	10	C4 C12 C14 C16 C18 C20 C22 C24 C26 C28	0.1uF		10V	±10%	X7R	C0402|C0402L	GRM155R71A104KA01D	MuRata
	10	C93 C94 C98 C100 C101 C108 C109 C110 C111 C112	0.1uF		16V	±10%	X7R	C0805	C0805X7R160-104K	Venkel
	1	C95	0.1uF		16V	±20%	X7R	C0603	C0603X7R160-104M	Venkel
	1	D1	SP0503BAHT	300mW	20V		TVS	SOT143-AKKK|SOT143	SP0503BAHTG	Littlefuse
	1	D2	Blue	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMR-C170	Avago Technologies
	2	D3 D4	Green	20mA	3.4V		SMT, ChipLED	LED-HSMX-C170	HSMQ-C170	Avago Technologies
	1	FB1	22 Ohm	6000mA			SMT	L0805	BLM21PG220SN1	MuRata
	21	J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J17 J18 J19 J20 J21	SMA				SMA	SMA-EDGE-3	142-0701-801	Johnson Components
	1	J22	CONN TRBLK 2	24A			TERM BLK	CONN-TB-1711026	1711026	PHOENIX CONTACT
	1	J23	Header 1x3				Header	CONN-1X3	TSW-103-07-G-S	Samtec
	1	J24	USB Type B				USB	CONN-USB-B	61729-0010BLF	FCI

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	1	J25	5X2 Shrouded Header				Shrouded	CONN2X5-4W	5103309-1	Tyco
	1	JP1	HEADER 1x3				Header	CONN-1X3	TSW-103-07-T-S	Samtec
	1	JP2	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
	1	JS1	Jumper Shunt				Shunt	N/A|SHUNT	SNT-100-BK-T	Samtec
	1	R1	2.32K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2321F	Venkel
	10	R107 R108 R109 R110 R112 R119 R120 R121 R126 R127	1K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1001F	Venkel
	7	R11 R12 R29 R30 R47 R48 R64	4.99	1/4W		±1%	ThickFilm	R1206	CR1206-4W-4R99F	Venkel
	2	R111 R128	4.7K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-4701F	Venkel
	1	R113	0.050	2W		±100PPM, ±1%	ThickFilm	R2512	LRC-LR2512LF-01-R050F	TT Electronics
	1	R114	0	2A			ThickFilm	R1206	CR1206-4W-000	Venkel
	1	R116	100	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1000F	Venkel
	2	R122 R125	10K	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-1002F	Venkel
	2	R123 R124	10.0K	1/10W		±0.1%	±25PPM	R0603	ERA-3AEB103V	Panasonic
	2	R129 R130	10K	1/10W		±1%	ThickFilm	R0805	CR0805-10W-1002F	Venkel
	16	R13 R14 R16 R17 R31 R32 R33 R34 R49 R51 R52 R53 R65 R66 R71 R72	10K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-1002F	Venkel
	7	R134 R135 R136 R137 R138 R139 R140	4.7K	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-4701F	Venkel
	14	R141 R142 R143 R144 R145 R146 R147 R148 R149 R150 R151 R152 R153 R154	100	1/16W		±1%	ThickFilm	R0402	CR0402-16W-1000F	Venkel
	8	R15 R18 R35 R36 R50 R54 R67 R74	1.0	1/10W		±1%	ThickFilm	R0603	CR0603-10W-1R00F	Venkel
	6	R19 R23 R37 R41 R55 R59	3.74K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-3741F	Venkel
	19	R2 R3 R75 R76 R81 R82 R83 R84 R89 R90 R91 R94 R95 R98 R99 R102 R103 R106 R131	0	1A			ThickFilm	R0402|R0402L	CR0402-16W-000	Venkel

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	6	R20 R24 R38 R42 R56 R60	6.65K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-6651F	Venkel
	6	R21 R25 R39 R43 R57 R61	21.5K	1/10W		±1%	ThickFilm	R0603	CR0603-10W-2152F	Venkel
	7	R22 R26 R40 R44 R58 R62 R115	8.06K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-8061F	Venkel
	1	R4	1K	1/16W		±5%	ThickFilm	R0402|R0402L	CR0402-16W-102J	Venkel
	4	R5 R6 R7 R8	49.9	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-49R9F	Venkel
	1	R68	4.42K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-4421F	Venkel
	1	R69	9.53K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-9531F	Venkel
	3	R70 R117 R118	5.90K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-5901F	Venkel
	1	R73	2.49K	1/16W		±1%	ThickFilm	R0603	CR0603-16W-2491F	Venkel
	7	R9 R10 R27 R28 R45 R46 R63	0	1A			ThickFilm	R0603|R0603L	CR0603-16W-000	Venkel
	1	S1	MOMENTARY				Tactile	SW4N6.5X4.5-PB	EVQ-PAD04M	PANASONIC CORP
	7	SW1 SW2 SW3 SW4 SW5 SW6 SW7	SW4-DIP-SMT	0.025A	24V		DIP	SW4-DIP-SMT	SDA04H0SB	C&K Components
	1	SW8	SW DIP-8	0.025A	24V		DIP	SW8-J-DIP-SMT	TDA08H0JB1	C&K Components
	8	TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn
	1	TP7	RED				LOOP	TESTPOINT	5000	Keystone
	1	U1	Si5332A-D-AM2				Timing	QFN40M6X6P0.5E4.65	Si5332A-D-AM2	SiLabs
	1	U10	DS2431					SOJ6N4.45P1.27	DS2431P+	Maxim
	2	U11 U17	PCA9517D				DO NOT SUB	SO8N6.0P1.27	PCA9517D	NXP
	1	U12	C8051F380				MCU	QFP48N9X9P0.5	C8051F380-GQ	SiLabs
	2	U13 U15	ADG728		2.7-5.5V			TSSOP16N6.4P0.65	ADG728BRUZ	Analog Devices
	1	U14	AD8628		5V		OPAMP	SOT23-5N	AD8628AUJ-R2	Analog Devices
	1	U16	LTC4311		5.5V			SOT6N2.1P0.65	LTC4311CSC6#TRMPBF	Linear Technology
	2	U18 U19	PCA9535CPW				I2C	TSSOP24N6.4P0.65	PCA9535CPW	NXP
	8	U2 U3 U4 U5 U6 U7 U8 U9	TPS76201	100mA			LDO	SOT5N2.8P0.95	TPS76201DBV	TI
	1	Y1	25MHz				FA-238	XTAL4N3.2X2.5-FA238	FA-238 25.0000MB-K	Epson

Not Installed Components

NI	Quantity	Reference	Value	Rating	Voltage	Tolerance	Type	PCB_Footprint	ManufacturerPN	Manufacturer
NI	1	C2	0.1uF		10V	±10%	X7R	C0402|C0402L	GRM155R71A104KA01D	MuRata
NI	2	C3 C5	10pF		50V	±2%	C0G	C0402|C0402L	GRM1555C1H100GA01D	MuRata

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NI	16	C63 C64 C65 C66 C71 C72 C73 C74 C78 C79 C82 C83 C86 C87 C90 C91	2pF		50V	±0.1pF	C0G	C0402|C0402L	GRM1555C1H2R0BA01D	MuRata
NI	1	JP3	Header 1x2 TH				Header	CONN1X2	TSW-102-07-G-S	Samtec
NI	16	R77 R78 R79 R80 R85 R86 R87 R88 R92 R93 R96 R97 R100 R101 R104 R105	49.9	1/16W		±1%	ThickFilm	R0402|R0402L	CR0402-16W-49R9F	Venkel
NI	7	TP1 TP2 TP3 TP4 TP5 TP6 TP8	RED				LOOP	TESTPOINT	5000	Keystone
NI	3	TP10 TP12 TP13	BLUE				Loop	TESTPOINT	151-205-RC	Kobiconn
NI	1	TP11	BLACK				Loop	TESTPOINT	151-203-RC	Kobiconn
NI	1	TP9	RED				Loop	TESTPOINT	151-207-RC	Kobiconn