


Pos.	Component	Value	Tolerance	Rating	Temp.-Range	Type	Size	Manufacturer	Distributor-Nr. / Keller-PN	Comp.
PCB	Board	22019	2 layer / surfaec: chem. Ni/Au				100,0 x 160,0 x 1,6mm	Multi Leiterpl.	single delivered / 550040.0092	jus
C1	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C2	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C3	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C4	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C5	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C6	not used on schema									jus
C7	not used on schema									jus
C8	not used on schema									jus
C9	Cer.-Cap.	47n	+/-10%	16V		X7R	0603			jus
C10	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C11	Cer.-Cap.	47n	+/-10%	16V		X7R	0603			jus
C12	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C13	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C14	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C15	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C16	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C17	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C18	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C19	Cer.-Cap.	1u	+/-10%	16V		X7R	0603			jus
C20	Cer.-Cap.	1u5	+/-10%	16V		X7R	0603			jus
C21	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C22	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C23	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C24	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C25	Cer.-Cap.	1n	+/-10%	16V		X7R	0603			jus
C26	Cer.-Cap.	10n	+/-10%	500V		X7R	1206			jus
C27	Cer.-Cap.	2n	+/-10%	16V		X7R	0603			jus
C28	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C29	Cer.-Cap.	10n	+/-10%	16V		X7R	0603			jus
C30	Cer.-Cap.	100n	+/-10%	16V		X7R	0603			jus
C31	Cer.-Cap.	10n	+/-10%	16V		X7R	0603			jus
C32	Cer.-Cap.	not equipped	+/-10%	1000V		X7R	1206			jus

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Pos.	Component	Value	Tolerance	Rating	Temp.-Range	Type	Size	Manufacturer	Distributor-Nr. / Keller-PN	Comp.
D1	Schottky Barrier Diode			40V / 600mA	-55...+150°C	BAS40-04T	SOT523	Diodes		jus
D2	Schottky Barrier Diode			40V / 600mA	-55...+150°C	BAS40-04T	SOT523	Diodes		jus
IC1	AC/DC-Converter			5V / 5W	-25...+70°C	ECE05-P		XP Power		jus
IC2	LDO-Regulator			Vin = 3,0 - 40V	-40...+150°C	TPS7B8133DRVR	WS0N6 (R0.65)	Texas Instr.	556030.0047	jus
IC3	Voltage-Reference	2,5V	+/-0,4%	Vin = 2,7 - 12,6V	-40...+85°C	MAX6102EUR+T	SOT23-3	Maxim	556032.0005	jus
IC4	not used on schema									jus
IC5	Iso. RS485-Transc.				-40...+85°C	IL485WE	SOL16	NVE Corporation		jus
IC6	Microcontroller		32bit / 256kB flash	Vin = 1,8 - 3,6V	-40...+125°C	STM32L431RCT3	QFP64	ST		jus
IC7	OPAMP			Vin = 2,3 - 5,5V	-55...+125°C	OPA347SA	SC70-5	Texas Instr.	556020.0005	jus
IC8	OPAMP			Vin = 2,3 - 5,5V	-55...+125°C	OPA347SA	SC70-5	Texas Instr.	556020.0005	jus
IC9	DC/HVDC-Conv.			Vout = 0...+1500V Vin = 5V	-25...+75°C	A15P-5		XP Power		jus
IC10	OPAMP			Vin = 2,3 - 5,5V	-55...+125°C	OPA347SA	SC70-5	Texas Instr.	556020.0005	jus
IC11	OPAMP			Vin = 2,3 - 5,5V	-55...+125°C	OPA347SA	SC70-5	Texas Instr.	556020.0005	jus
P1	Plug		96 pole (3 x 32) / male / 90°			DIN41612				jus
P2	Plug		6 pole (2x3)	R=2,0mm/male/th/shrou	-55...+105°C	87831-0641	R=2,0mm	Molex	87831-0641	jus
P3	Pinrow		2 pole	male			R=2,54mm			jus
Q1	Resonator	8MHz	+/-0,5%			CSTNE8M00GH5L000R0	CSTNE	Murata		jus
R1	Chip-Res.	120E	+/-1%	0,1W		100ppm	0603			jus
R3	Chip-Res.	510E	+/-1%	0,1W		100ppm	0603			jus
R4	Chip-Res.	510E	+/-1%	0,1W		100ppm	0603			jus
R5	Chip-Res.	100k	+/-1%	0,1W		100ppm	0603			jus
R6	Chip-Res.	100k	+/-1%	0,1W		100ppm	0603			jus
R7	Chip-Res.	51k	+/-1%	0,1W		100ppm	0603			jus
R8	Chip-Res.	43k	+/-1%	0,1W		100ppm	0603			jus
R9	Chip-Res.	1M	+/-1%	1,0W		100ppm	2512			jus
R10	Chip-Res.	500M	+/-1%	1,0W		100ppm	2512			jus
R11	Chip-Res.	10k	+/-1%	1,0W		100ppm	2512			jus
R12	Chip-Res.	100k	+/-1%	1,0W		100ppm	2512			jus
R13	Chip-Res.	1k	+/-1%	0,25W		100ppm	1206			jus
R14	Chip-Res.	0E					0603			jus

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