





Bill of Materials					
Isolated RS485 Repeater					
Source Data From: DE-220817.PrjPcb					
Project: DE-220817.PrjPcb					
Variant: None					
Creation Date: 08.09.2017. 17:55:10					
Print Date: 42986 42986.74667					
Footprint	Comment	LibRef	Designator	Description	Quantity
0603	470pF	C0603	C1	Ceramic Chip Capacitor - Standard	1
CAPPR5-10X12.5	220uF	EKA00DC322H0	C2	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 220uF, 50V	1
0805	10uF	C0805	C3, C4, C5	Ceramic Chip Capacitor - Standard	3
0603	100nF	C0603	C6, C7, C9, C10, C11, C12	Ceramic Chip Capacitor - Standard	6
CAPPR3.5-8X11.5	470uF	EKA00DC347D0	C8	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 470uF, 16V	1
0603	100pF	C0603	C13, C14	Ceramic Chip Capacitor - Standard	2
SMB	1N4001	10BF10	D1	Surface Mountable Ultrafast Recovery Diode	1
SMB	10BF10	10BF10	D2	Surface Mountable Ultrafast Recovery Diode	1
2.0X1.25X1.2	YELLOW_LED	HSMC-C540-F0001	D3	Top Mount AS AlInGaP Red Oval Lens High Brightness	1
2.0X1.25X1.2	RED_LED_TX	HSMC-C540-F0001	D4	Top Mount AS AlInGaP Red Oval Lens High Brightness	1
2.0X1.25X1.2	GREEN_LED_RX	HSMC-C540-F0001	D5	Top Mount AS AlInGaP Red Oval Lens High Brightness	1
SOD323	1N4148	BAS321	D6, D7	General-purpose Diode	2
CD54	74437368220	74437368220	L1	SMD Power Inductor VWEHML L=22.0 µH	1
TERMINAL BLOK 2	9-35Vdc	TERMINAL BLOK 2	P1	Terminal blok konektor 3,5 mm	1
TERMINAL BLOK 3	RS485	TERMINAL BLOK 3	P2, P3	3 pinski terminal blok konektor	2
SOT23_N	BC807	BC807	Q1	PNP General-purpose Transistor	1
ERA-0805	0R33	ERAS	R1	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	1
ERA-0603	3K6	ERAV	R2	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	1K	ERAV	R3	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	1K2	ERAV	R4	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	10K	ERAV	R5, R8, R9	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	3
ERA-0603	470R	ERAV	R6, R7	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0805	560R	ERA6Y	R10, R11, R17, R18	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	4
ERA-0805	120R	ERA6Y	R12, R13	Rectangular Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 0.1% and 0.5% Tolerance, 0805 Size, 0.1 W	2
ERA-0603	4K7	ERAV	R14, R15	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
8RB-1206	ERJ8BQ	ERJ8BQ	R16, R19	Low Ohmic Value Thick Film Chip Resistor 0.22 Ohm to 9.1 Ohm Range, 1%, 2% and 5% Tolerance, 1206 Size, 0.33 W	2
SO8_N	MC34063ABD-TR	MC34063ABD-TR	U1	DC/DC converter control circuit, 8-Pin SO8 Tape and Reel	1
B0505S-1W	B0505S/D-1W	B0505S/D	U2	1W isolated dc dc converter	1
419A-01_N	SN74LVC1G14	MC74VHC1G12	U3, U7	Non-Inverting 3-State Buffer	2
SOP8	ADuM1201	ADuM1201	U4	Digital Isolator	1
D008_N	SN75176BD	SN75176BD	U5, U6	Differential Bus Transceiver	2
Approved					52
Notes					