Bill of Materials

CONV-TTL-RS485

Source Data From: projectRS485.PrjPcb
Project: projectRS485.PrjPcb
Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
VERO_20-213	Test Point	VERO_20-2136	B1, B2, B3, B4, B5, B6, B7, B8, B9, B10,	Single Terminal Socket	15
CAPC1005X5	100nF	CC0402_100NF_	C1, C2, C3, C5, C7, C17, C18, C19, C20,	Non-polarised capacitor	108
CAPC3216X1	22uF	CC1206_22UF_1	C4, C10, C11, C12, C13, C15, C16, C28,	Non-polarised capacitor	22
CAPC1608X8	1uF	CC0603_1UF_16	C6, C14, C25, C26, C44, C45, C46, C47,	Non-polarised capacitor	19
CAPC3216X1	4.7nF	CC1206_4.7NF_	C8, C9, C48	Non-polarised capacitor	3
CAPPR350-85	150uF	CAER_150UF_6.	C39, C100	Polarised capacitor	2
TYCO_636703	SFP	TYCO_6367034-	CageBot1	SFP Cage Bottom (Small Form-factor Plugg	1
TYCO_636703	SFP	TYCO_6367035-	CageTop1	SFP Cage Top (Small Form-factor Pluggable	1
SOT95P240X1	BAR66	BAR66	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10	Serial Diode	10
FUSE_LITTEL	2A-125V	FUSE_LITTELFU	F1	Fuse	1
FIDUCIAL_TO	Use only in PCB	FIDUCIAL_TARG	FTG1, FTG2, FTG3, FTG4, FTG5, FTG6	Fiducial Target	6
SOP65P490X	AD5662BRMZ-1	AD5662BRMZ-1	IC1, IC2	2.7V to 5.5V, 250uA, Rail-to-Rail Output 16-B	2
SOIC127P600	LM336M-2.5/NOF	LM336M-2.5/NOF	IC3	Reference Diode	1
SOT95P284X1	LP5951MF-3.0/N	LP5951MF-3.0/N	IC4	150mA Micropower Low-Dropout CMOS Volt	1
QFN50P500X	CDCM61004RHE	CDCM61004RHE	IC5	Four Output, Integrated VCO, Low-Jitter Cloc	1
SOT95P280X1	SN65LVDS2DBV	SN65LVDS2DBV	IC6	High-Speed Differential Line Receiver	1
BGA484C100	XC6SLX45T-3FG	XC6SLX45T-3FG	IC7	Spartan-6 LXT 1.2V FPGA, 296 User I/Os, 48	1
SOP65P640X	TPS54312PWP	TPS54312PWP	IC8	3V to 6V Input, 3A Output Synchronous-Buck	1
SOT95P280X1	TPS3808G01DB	TPS3808G01DB	IC9	Low Quiescent Current, Programmable-Delay	1
SOIC127P600	SN74ACT14D	SN74ACT14D	IC10, IC11, IC12, IC14, IC18, IC19, IC22,	Hex Schmitt-Trigger Inverter	8
SOIC127P103	SN64BCT25244	SN64BCT25244	IC13, IC16	25-Ohm Octal Buffer/Driver with 3-State Outp	2
SOIC127P600	SN74HC132D	SN74HC132D	IC15, IC26	Quad Positive NAND Gate With Schmitt-Trigg	2
SOP65P490X	DS18B20U+	DS18B20U+	IC17	Programmable Resolution 1-Wire Digital Ther	1
SOIC127P103	M25P32-VMF6P	M25P32-VMF6P	IC20	32 Mbit, low-voltage, Serial Flash memory wit	1
SOP50P810X	SN74VMEH2250	SN74VMEH2250	IC21	8-Bit Universal Bus Transceiver and Two 1-Bi	1
SOIC127P600	SN65HVD3088E	SN65HVD3088E	IC24_U_Input Unit RS4851, IC24_U_Input	Low-Power RS-485 Transceiver	30
TYCO_136707	SFP	TYCO_1367073-	J1	20 Position SFP Connector (Small Form-fact	1
LEMO_EPY.0(	LEMO 00	LEMO_EPY.00.2	J2, J3, J4, J5, J6, J7, J8, J9, J10, J11	Dual Female Coax 1-2 Common Shield 3	10
MOLEX_8783	Milli-Grid™	MOLEX_87832-1	J12	Connector 14 Male	1
COMATEL_38	Header 16	COMATEL_389.0	J13	Connector 16 Male	1
INDC2012X10	220R@100MHz	IND0805_MURAT	L1, L2, L3, L4, L5, L7	Inductor	6
IND_COILCRA	10uH	IND_10UH_20%_	L6	Inductor With Magnetic core	1
LED_DIALIGH	Green	LED_DIALIGHT_	LD1, LD2, LD3, LD4, LD6, LD7, LD9, LD10	LED Green 1C 2A	8
LED_DIALIGH	Green/Green/Gre	LED_DIALIGHT_	LD5	LED x3 Green LED	1
LED_DIALIGH	Red	LED_DIALIGHT_	LD8	LED Red 1C 2A	1
OSC_IQD_CF	20MHz	OSC_20MHZ_IQ	OSC1	3.3V ±100ppm 15pF HCMOS Tri-State Surfa	1
OSCCC320X5	25MHz	OSC_25MHZ_ME	OSC2	Oscillator 4 pins 1=VC 2=GND 3=OUT 4=+Vs	1
OSC_RAKON	25MHz	OSC_25MHZ_RA	OSC3	Oscillator 4 pins 1=VCO 3=GND 4=OUT 6=V	1
HARTING_02	HAR-BUS 64	HARTING_02 01	P1, P2, P3	Connector 160zabcd Male (5x32)	3
PB_TYCO_AL	Push Button	PB_TYCO_ALCC	PB1	Push-Button Switch SPDT	1
RESC1608X5	100	R0603_100R_1%	R1, R2, R3, R4, R5, R20, R21, R22, R23,	Resistor - 1%	26
RESC1608X5	0	R0603_0R_JUM	R6, R7, R8, R9, R10, R11, R12, R13, R19	Resistor - 1%	9
RESC1608X5	10k	R0603_10K_1%	R14, R15, R16, R17, R18, R27	Resistor - 1%	6
RESC1608X5	4k7	R0603_4K7_1%	R24, R25, R44, R45, R46, R47, R53, R57,	Resistor - 1%	61
RESC1608X5	470k	R0603_470K_1%	R26	Resistor - 1%	1
RESC3216X6	2M2	R1206_2M2_1%	R40, R41, R42, R43	Resistor - 1%	4
RESC3216X6	150	R1206_150R_1%	R48, R49, R50, R51, R52, R54, R55, R56,	Resistor - 1%	40
SW_TYCO_1-	Switch	SW_TYCO_1-15	SW1	8 Ways SPST DIP Switch	1
TPS127	Test Point	SMD_PAD_1.27X	TP1, TP2, TP3, TP4, TP5, TP6	Test Point	6
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Approved **Notes**