

RS-485/RS-232 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB	1		RS-485/RS-232	Any	Printed Circuit Board	
C1, C9	2	0.047uF	08051C473KAT2A	AVX	CAP, CERM, 0.047uF, 100V, +/-10%, X7R, 0805	0805
C2, C3, C4, C10, C11, C12	6	0.33uF	0805YC334KAT2A	AVX	CAP, CERM, 0.33uF, 16V, +/-10%, X7R, 0805	0805
C17	1	33uF	TPSW336K016R0175	AVX	CAP, TA, 33uF, 16V, +/-10%, 0.175 ohm, SMD	6032-15
C18, C19, C20	3	0.1uF	06033D104KAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	0603
D1	1				Typical RED, GREEN, YELLOW, AMBER GaAs LED	3.2X1.6X1.1
D2, D3, D4, D5, D6, D7, D8, D9	8	5V	GL12T-E3-08	Vishay-Semiconductor	DIODE ESD 2LINE 12V SOT23, SMD	SOT-23
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1, J2	2	3267	3267	Pomona	Connector, Banana Jack, Uninsulated	0.500 dia. inch
J3, J9, J10, J11, J12	5		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J4, J5, J6, J7	4	2x8	PBC08DAAN	Sullins Connector Solutions	Header, 100mil, 8x2, Gold, TH	PBC08DAAN
J8	1		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH	Header, 3 PIN, 100mil, Tin
Q2	1	0.7V	BC848CLT1G	ON Semiconductor	Transistor, NPN, 30V, 0.1A, SOT-23	SOT-23
R1, R2, R3, R8	4	120	CRCW0603120RJNEA	Vishay-Dale	RES, 120 ohm, 5%, 0.1W, 0603	0603
R4, R6, R7	3	2.4k	CRCW06032K40JNEA	Vishay-Dale	RES, 2.4k ohm, 5%, 0.1W, 0603	0603
R5	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0k ohm, 5%, 0.1W, 0603	0603
R10, R11	2	10.0k	RG1608P-103-B-T5	Susumu Co Ltd	RES, 10.0k ohm, 0.1%, 0.1W, 0603	0603
TP1, TP2	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
U1, U3	2		TRS3223ECDWG4	Texas Instruments	3-V to 5.5-V Multichannel RS-232 Line Driver / Receiver with ?5-kV ESD Protection, 0 to 70 degC, 20-Pin SOIC (DW), Green (RoHS & no Sb/Br)	DW0020A
U2, U4	2		SN65LBC180IDRG4Q1	Texas Instruments	Automotive Catalog Low-Power Differential Line Driver and Receiver Pair, 10 Mbps, 5 V, Full Duplex, -40 to 85 degC, 14-pin SOIC (D), Green (RoHS & no Sb/Br)	D0014A
FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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