

Variant: None
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TIDEP0057 REV E1 Bill of Materials

Item #	Designator	Quantity	VALUE	PartNumber	Manufacturer	Description	PackageReference
1	3V3, 5V0, ENDAT	3	Green	150060GS75000	Würth Elektronik	LED, Green, SMD	LED_0603
2	BISS	1	Blue	150060BS75000	Würth Elektronik	LED, Blue, SMD	LED_0603
3	C1, C2, C3, C4, C5	5	0.1uF	885012206046	Würth Elektronik	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0603_095	0603_095
4	C6	1	2200pF	885012206036	Würth Elektronik	CAP, CERM, 2200 pF, 16 V, +/- 10%, X7R, 0603_095	0603_095
5	D1	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
6	D2	1	3V	MMBZ5225BLT1G	ON Semiconductor	Diode, Zener, 3 V, 225 mW, SOT-23	SOT-23
7	HIPERFACE	1	Yellow	150060YS75000	Würth Elektronik	LED, Yellow, SMD	LED_0603
8	J2	1		NRPN302PAEN-RC	Sullins Connector Solutions	Header, 2 mm, 30x2, Gold, SMT	Header, 2 mm, 30x2, Vertical, SMT
9	J4	1		66953-010LF	FCI	Receptacle, 100mil, 10X2, Tin, TH	Receptacle, 100mil, 10x2, TH
10	J5	1		61201621621	Würth Elektronik	Header(Shrouded), 2.54mm, 8x2, Gold, TH	Header, 2.54mm, 8X2, TH
11	R1	1	4.7k	CRCW06034K70JNEA	Vishay-Dale	RES, 4.7 k, 5%, 0.1 W, 0603	0603
12	R2	1	820	RC0603JR-07820RL	Yageo America	RES, 820, 5%, 0.1 W, 0603	0603
13	R3, R4, R5, R6	4	1.8k	RC0603JR-071K8L	Yageo America	RES, 1.8 k, 5%, 0.1 W, 0603	0603
14	SYNC	1		61300211021	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, R/A, TH	Header, 2.54 mm, 2x1, R/A, TH
15	TEST	1		SKRKAEE010	Alps	Switch, Push Button, SMD	2.9x2x3.9mm SMD
16	U2	1		SN74CBTLV3257DGVR	Texas Instruments	Low-Voltage 4-Bit 1-of-2 FET Multiplexer / Demultiplexer, DGV0016A	DGV0016A
17	U3, U4	2		SN74LVC8T245DGVR	Texas Instruments	8-BIT DUAL-SUPPLY BUS TRANSCEIVER with CONFIGURABLE VOLTAGE TRANSLATION AND 3-STATE OUTPUT, DGV0024A	DGV0024A

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