

Variant: 001
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TIPD205 REV B Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		TIPD205	Any	Printed Circuit Board	
2	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10	10	1uF	C0603C105K3RACTU	Kemet	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
3	H1, H2, H3, H4	4		NY HN 256	B&F Fastener Supply	Nylon Nut, 2-56, 3/16"	
4	H5, H6, H7, H8	4		NY PMS 256 0050 PH	B&F Fastener Supply	Screw, Pan Philips, Nylon, 2-56	
5	H9	1		2058943-5	TE Connectivity AMP Connectors	Cable assembly	
6	H10	1		BB105	Storm Power Components	Bus bar 0.4" hole, standoffs, nuts, washers	
7	H11	1		EVM_BusBar_Inst	N/A	EVM_BusBar_Inst 3D printed part with Nylon 12. See Note ZZ2	
8	J1, J2	2		292207-6	TE Connectivity	Header(shrouded), 1.5mm, 6x1, Tin, TH	Header(shrouded), 1.5mm, 6x1, TH
9	R1, R2, R7, R8	4	5.11	RC0805FR-075R11L	Yageo America	RES, 5.11, 1%, 0.125 W, 0805	0805
10	R3, R9	2	49.9	RT0805BRD0749R9L	Yageo America	RES, 49.9, 0.1%, 0.125 W, 0805	0805
11	R4, R5, R6, R10, R11, R12	6	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
12	T1, T2	2		CB175-38-QY	Panduit	Lug, Rectangular, 3/0-4 AWG, 3/8 Stud, with screw	Offset Floating Tongue Lug
13	U1, U2, U4, U5	4		DRV425RTJR	Texas Instruments	Fully Integrated Precision Fluxgate Magnetic Field Sensor and readout, RTJ0020G (WQFN-20)	RTJ0020G
14	U3, U6	2		OPA320AIDBVT	Texas Instruments	Precision, 20 MHz, 0.9 pA Ib, RRIO, CMOS Operational Amplifier, 1.8 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DBV0005A), Green (RoHS & no Sb/Br)	DBV0005A

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