

Variant: 001  
Generated: 12/15/2023 7:47 AM  
TID #: 2017



# TIDM-2017\_PB REV R1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDM-2017_PB	Any	Printed Circuit Board	
2	C1_P1, C1_P2, C1_P3, C2_P1, C2_P2, C2_P3	6	5.6µF	C4AQCBU4560A1XJ	KEMET	5.6 µF Film Capacitor - 650V Polypropylene (PP), Metallized Radial	RADIAL
3	C3_P1, C3_P2, C3_P3, C4_P1, C4_P2, C4_P3	6	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
4	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
5	J1_P1, J1_P2, J1_P3, J3, J4	5		7461098	Wurth Electronics	Conn Terminal M 1 POS Press Fit ST 25 Terminal 1 Port	TERM_REDCUBE_M6
6	J2_P1, J2_P2, J2_P3, J5_P1, J5_P2, J5_P3, J6_P1, J6_P2, J6_P3, J7	10		TSM-103-01-L-SV-P-TR	Samtec	Header, 2.54mm, 3x1, Gold, SMT	Header, 2.54mm, 3x1, SMT
7	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
8	Q1_P1, Q1_P2, Q1_P3, Q2_P1, Q2_P2, Q2_P3, Q3_P1, Q3_P2, Q3_P3, Q4_P1, Q4_P2, Q4_P3, Q5_P1, Q5_P2, Q5_P3, Q6_P1, Q6_P2, Q6_P3, Q7_P1, Q7_P2, Q7_P3, Q8_P1, Q8_P2, Q8_P3	24		IAUT300N10S5N015ATMA1	Infineon	100V 300A 1.5MOHM TOLL	HSOF-8
9	R1_P1, R1_P2, R1_P3, R2_P1, R2_P2, R2_P3, R3_P1, R3_P2, R3_P3, R4_P1, R4_P2, R4_P3, R9_P1, R9_P2, R9_P3, R10_P1, R10_P2, R10_P3, R11_P1, R11_P2, R11_P3, R12_P1, R12_P2, R12_P3	24	10	RCS060310R0FKEA	Vishay	10 Ohms ±1% 0.25W, 1/4W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200, Pulse Withstanding Thick Film	0603
10	R5_P1, R5_P2, R5_P3, R6_P1, R6_P2, R6_P3, R7_P1, R7_P2, R7_P3, R8_P1, R8_P2, R8_P3, R13_P1, R13_P2, R13_P3, R14_P1, R14_P2, R14_P3, R15_P1, R15_P2, R15_P3, R16_P1, R16_P2, R16_P3	24	10.0k	TNPW060310K0BEEA	Vishay-Dale	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 1, 0603	0603
11	R17_P1, R17_P2, R17_P3	3	160	RT0603DRE07160RL	Yageo America	RES, 160, 0.5%, 0.1 W, 0603	0603
12	U1_P1, U1_P2, U1_P3	3		ACS772ECB-250B-PFF-T	Allegro MicroSystems LLC	Galvanically Isolated Current Sensor IC with 100 µΩ Current Conductor, Sensing Current 250A, Sensor Sensitivity 8mV/A	PTH_10MM0_13MM0