

Variant: 001  
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TID #: TIDM-02012



# TIDM-02012-GD REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDM-02012-GD	Any	Printed Circuit Board	
2	C1	1	2.2uF	C2012X7R1H225M125AC	TDK	CAP, CERM, 2.2 uF, 50 V, +/- 20%, X7R, 0805	805
3	C2, C3	2	47pF	C0603C470J1GACAUTO	Kemet	CAP, CERM, 47 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	603
4	C4	1		C2012X7R1H475K125AC	TDK	4.7uF ±10% 50V Ceramic Capacitor X7R 0805 (2012 Metric)	805
5	C5	1	2200pF	CGA3E2X7R2A222K080AA	TDK	CAP, CERM, 2200 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
6	C6	1	1uF	CGA3E1X7R1E105M080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0603	603
7	C7, C8, C9	3	0.1uF	C0603C104K5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	603
8	D1	1	1000V	BYM10-1000-E3/97	Vishay-Semiconductor	Diode, P-N, 1000 V, 1 A, DO-213AB	DO-213AB
9	D2, D3	2	45V	RB520SM-40FH	Rohm	Diode, Schottky, 45 V, 0.2 A, AEC-Q101, SOD-523	SOD-523
10	J1	1		90122-0763	Molex	Header, 2.54mm, 3x2, Gold, R/A, TH	Header, 2.54mm, 3x2, R/A, TH
11	J2, J3, J4, J5	4		3620-2-32-15-00-00-08-0	Mill-Max		
12	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
13	R1	1	1	ERJ-6BQF1R0V	Panasonic	RES, 1.00, 1%, 0.333 W, AEC-Q200 Grade 1, 0805	805
14	R2, R3	2	0	CRCW06030000Z0EBC	Vishay	CRCW Thick Film Commodity Chip Resistor Jumper 0603 Size 0 Ohm 0.1 W 2-Pin SMD Paper T/R	603
15	R4	1	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	603
16	R5	1	3.09k	RC0603FR-073K09L	Yageo	RES, 3.09 k, 1%, 0.1 W, 0603	603
17	TP1, TP2, TP3	3		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
18	U1	1		UCC21530QDWKQ1	Texas Instruments	4-A, 6-A, 5.7-kVRMS Isolated Dual-Channel Gate Driver with Enable, DWK0014A (SOIC-14)	DWK0014A
19	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A