

Bill of Materials

TI DESIGNS

TIDA-01238 - CAN Selectable Termination

Item	Qty	Reference	Value	Manufacturer	Manufacturer Part Number	PCB Footprint
1	2	C1,C3	DNI	-	DNI	DNI
2	2	C5, C6	0.1 μ F	Kemet	C0805C104J5RACTU	0805
3	2	C2,C7	DNI	-	DNI	DNI
4	1	C8	0.1 μ F	Murata Electronics North America	GRM188R71H104KA93D	0603
5	2	C9,C11	1.0 μ F	TDK Corporation	C1608X7R1C105K080AC	0603
6	1	C10	10 μ F	Taiyo Yuden	TMK316B7106KL-TD	1206
7	1	C12	0.1 μ F	Murata Electronics North America	GRM155R71C104KA88D	0402
8	1	D2	DNI	-	DNI	DNI
9	1	D3	LED - Green Diffused	Lumex Opto Components Inc	SML-LXT0805GW-TR	0805
10	1	L1	DNI	-	DNI	DNI
11	2	R1,R18	4.70K	Panasonic Electronic Components	ERJ-6ENF4701V	0805
12	3	R2,R5,R6	DNI	-	DNI	DNI
13	6	R3,R4,R10,R13,R17,R19	0.0 (Zero Ohm)	Yageo	RC0805JR-070RL	0805
14	2	R9,R14	0.0 (Zero Ohm)	Vishay Dale	CRCW12060000Z0EA-	1206
15	1	R11	100	Vishay/Dale	CRCW2512100RFKEG	2512
16	1	R12	120	Vishay Dale	CRCW2512120RFKEG	2512
17	1	R20	330	Panasonic Electronic Components	ERJ-6ENF3300V	0805
18	1	R21	150	Stackpole	RMCF0805FT150R	0805
19	2	R22,R23	10.0K	Vishay Dale	CRCW080510K0FKEA-	0805
20	1	R24	1.00K	Vishay Dale	CRCW08051K00FKEA-	0805
21	1	U1	TCAN1042HGVDQ1	Texas Instruments	TCAN1042HGVDQ1	8-SOIC
22	1	U2	TLP175A(TPL,E	Toshiba Semiconductor and Storage	TLP175A(TPL,E	4-SMD
23	1	U3	MOSFET N-Channel, 42pF	Texas Instrument	CSD17483F4T	0402 (3-XDFN)
24	1	U4	CSD87502Q2	Texas Instruments	CSD87502Q2	8-WSON

IMPORTANT NOTICE FOR TI REFERENCE DESIGNS

Texas Instruments Incorporated ("TI") reference designs are solely intended to assist designers ("Designer(s)") who are developing systems that incorporate TI products. TI has not conducted any testing other than that specifically described in the published documentation for a particular reference design.

TI's provision of reference designs and any other technical, applications or design advice, quality characterization, reliability data or other information or services does not expand or otherwise alter TI's applicable published warranties or warranty disclaimers for TI products, and no additional obligations or liabilities arise from TI providing such reference designs or other items.

TI reserves the right to make corrections, enhancements, improvements and other changes to its reference designs and other items.

Designer understands and agrees that Designer remains responsible for using its independent analysis, evaluation and judgment in designing Designer's systems and products, and has full and exclusive responsibility to assure the safety of its products and compliance of its products (and of all TI products used in or for such Designer's products) with all applicable regulations, laws and other applicable requirements. Designer represents that, with respect to its applications, it has all the necessary expertise to create and implement safeguards that (1) anticipate dangerous consequences of failures, (2) monitor failures and their consequences, and (3) lessen the likelihood of failures that might cause harm and take appropriate actions. Designer agrees that prior to using or distributing any systems that include TI products, Designer will thoroughly test such systems and the functionality of such TI products as used in such systems. Designer may not use any TI products in life-critical medical equipment unless authorized officers of the parties have executed a special contract specifically governing such use. Life-critical medical equipment is medical equipment where failure of such equipment would cause serious bodily injury or death (e.g., life support, pacemakers, defibrillators, heart pumps, neurostimulators, and implantables). Such equipment includes, without limitation, all medical devices identified by the U.S. Food and Drug Administration as Class III devices and equivalent classifications outside the U.S.

Designers are authorized to use, copy and modify any individual TI reference design only in connection with the development of end products that include the TI product(s) identified in that reference design. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER TI INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT OF TI OR ANY THIRD PARTY IS GRANTED HEREIN, including but not limited to any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services, or a warranty or endorsement thereof. Use of the reference design or other items described above may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

TI REFERENCE DESIGNS AND OTHER ITEMS DESCRIBED ABOVE ARE PROVIDED "AS IS" AND WITH ALL FAULTS. TI DISCLAIMS ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, REGARDING THE REFERENCE DESIGNS OR USE OF THE REFERENCE DESIGNS, INCLUDING BUT NOT LIMITED TO ACCURACY OR COMPLETENESS, TITLE, ANY EPIDEMIC FAILURE WARRANTY AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

TI SHALL NOT BE LIABLE FOR AND SHALL NOT DEFEND OR INDEMNIFY DESIGNERS AGAINST ANY CLAIM, INCLUDING BUT NOT LIMITED TO ANY INFRINGEMENT CLAIM THAT RELATES TO OR IS BASED ON ANY COMBINATION OF PRODUCTS AS DESCRIBED IN A TI REFERENCE DESIGN OR OTHERWISE. IN NO EVENT SHALL TI BE LIABLE FOR ANY ACTUAL, DIRECT, SPECIAL, COLLATERAL, INDIRECT, PUNITIVE, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES IN CONNECTION WITH OR ARISING OUT OF THE REFERENCE DESIGNS OR USE OF THE REFERENCE DESIGNS, AND REGARDLESS OF WHETHER TI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TI's standard terms of sale for semiconductor products (<http://www.ti.com/sc/docs/stdterms.htm>) apply to the sale of packaged integrated circuit products. Additional terms may apply to the use or sale of other types of TI products and services.

Designer will fully indemnify TI and its representatives against any damages, costs, losses, and/or liabilities arising out of Designer's non-compliance with the terms and provisions of this Notice.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2016, Texas Instruments Incorporated