

DevPack Debug

Rev: 1.0.0

Item Number	Part Reference	Quantity	Value	Description	MPN	Manufacturer
1	C1 C2 C3 C12 C15	5	10nF	CAPACITOR, CERAMIC X7R, 10nF, 25V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_10nF_X7R_M_+/-10%_25V	MANUFACTURER SELECTION
2	C4 C5 C16	3	100nF	CAPACITOR, CERAMIC X7R, 100nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_100nF_X7R_M_+/-10%_10V	MANUFACTURER SELECTION
3	C6 C8 C11	3	1uF	CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	CAPACITOR_0402_1uF_X5R_I_+/-10%_10V	MANUFACTURER SELECTION
4	C7 C10	2	0.1uF	CAPACITOR, CERAMIC X5R, 0.1uF, 10V, -15%/+15%, -55DEGC/+85DEGC, 0402, SMD	GRM155R61A104KA01D	MURATA
5	C9 C17 C19	3	2.2uF	CAPACITOR, CERAMIC X5R, 2.2uF, 6.3V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD	GRM155R60J225KE95D	MURATA
6	C13 C14	2	12pF	CAPACITOR, CERAMIC C0G/NPO, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD	CAPACITOR_0402_12pF_C0G/NPO_M_+/-5%_50V	MANUFACTURER SELECTION
7	C18	1	15pF	CAPACITOR, CERAMIC, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0201, SMD	GRM0332C1H150JA01D	MURATA
8	CR1	1	LS L296-P2Q2-1	OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD	LS L296-P2Q2-1	OSRAM
9	CR2	1	LPL296-J2L2-25	OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD	LP L296-J2L2-25	OSRAM
10	CR3	1	TPD4E004DRY	DIODE, PROTECTION, ESD ARRAY, 4 CHANNEL, 6V TO 8V, -40DEGC/+85DEGC, SON6, SMD	TPD4E004DRYR	TEXAS INSTRUMENTS
11	FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6	6	FIDU_1.27mm	FIDUCIAL MARK, ROUND 1.27MM		
12	J1 J4	2	LSS-110-01-F-DV-A-TR	CONNECTOR, HEADER, HI-SPEED SOCKET, FEMALE, STRAIGHT, 2 ROWS,20 PINS, PITCH 0.635mm, SMD	LSS-110-01-F-DV-A-TR	SAMTEC
13	J2	1	BB02-CN102-KB8-000000	CONNECTOR, B2B, FEMALE, STRAIGHT, 2 ROWS, 10 PINS, PITCH 1.27mm, PTH	BB02-CN102-KB8-000000	GRADCONN
14	J3	1	47491-0001	CONNECTOR, MICRO-USB, 1 ROW, 5 PINS, PITCH 0.65mm, SMD	47491-0001	MOLEX
15	P1	1	TC2050-IDC-NL	NON COMPONENT, CONNECTOR CABLE, PLUG OF NAILS, 10 PINS, 2 ROWS, SMD		
16	P2	1	DNM	CONNECTOR, HEADER, MALE, STRAIGHT, 2 ROWS, 20 PINS, PITCH 1.27mm, PTH	FTS-110-02-L-D	SAMTEC
17	P3 P4 P5	3	DNM	CONNECTOR, HEADER, MALE, RIGHT ANGLE, 1 ROW, 4 PINS, PITCH 2mm, SMD	1125R-SMT-4P	SHENZHEN NS-TECH
18	R1	1	750k	RESISTOR, THICK FILM, 750k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_750k_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
19	R2	1	51	RESISTOR, THICK FILM, 51, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_51_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION
20	R3	1	10k	RESISTOR, THICK FILM, 10k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_10k_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION
21	R4 R10 R11 R12 R17	5	1k	RESISTOR, THICK FILM, 1k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_1k_+/-5%_50V_0.063W_M_+/-200ppm	MANUFACTURER SELECTION
22	R6	1	33k	RESISTOR, THICK FILM, 33k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_33k_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
23	R7	1	0	RESISTOR, THICK FILM, 0, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_0_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION
24	R8	1	680	RESISTOR, THICK FILM, 680, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_680_+/-5%_50V_0.063W_M_+/-200PPM	MANUFACTURER SELECTION
25	R9	1	120	RESISTOR, THICK FILM, 120, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_120_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
26	R13	1	330k	RESISTOR, THICK FILM, 330k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_330k_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
27	R14	1	220k	RESISTOR, THICK FILM, 220k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_220k_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
28	R15	1	100	RESISTOR, THICK FILM, 100, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_100_+/-1%_50V_0.063W_M_+/-100PPM	MANUFACTURER SELECTION
29	R16	1	DNM	RESISTOR, DO NOT MOUNT, 0402, SMD	DNM	DO NOT MOUNT
30	R18	1	4.87k	RESISTOR, THICK FILM, 4.87k, -1%/+1%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD	RESISTOR_0402_4.87k_+/-1%_50V_0.063W_M_+/-100ppm	MANUFACTURER SELECTION
31	R19	1	0	RESISTOR, JUMPER, 3 PORTS, -55DEGC/+155DEGC, 0402, SMD	RK73Z1ETTPL	KOA SPEER
32	R20	1	51k	RESISTOR, THICK FILM, 51k, -5%/+5%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD	CRCW020151K0JNED	VISHAY
33	R21	1	30.1k	RESISTOR, THICK FILM, 30K1, -1%/+1%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD	CRCW020130K1FKED	VISHAY
34	SW1	1	TL3700AF160Q	SWITCH, TACT, 0.02A@15V, 0.02A, 15V, SMD	TL3700AF160Q	E-SWITCH
35	TP1	1	DNM	MECHANIC, OTHER, TEST PIN, PCB, SMD	S1751-06	HARWIN
36	U1	1	TM4C1294NCPDPTT3R	IC, MICROPROCESSOR, TIVA C SERIES MICROCONTROLLER, ARM CRTEX-M4, 2.97V TO 3.63V, TQFP128, SMD	TM4C1294NCPDPTT3R	TEXAS INSTRUMENTS
37	U2	1	TPS79601DR	IC, ANALOG, ULTRALOW-NOISE, HIGH PSRR, FAST, RF, 1A LOW-DROPOUT LINEAR REGULATORS, VIN:2.7V TO 5.5V, VOUT:1.2V TO 5.5V, SON8, SMD	TPS79601DRBR	TEXAS INSTRUMENTS
38	U3	1	LM4040B25IDCK	IC, ANALOG, PRECISION MICROPOWER SHUNT VOLTAGE REFERENCE, 2.5V, SC70-5, SMD	LM4040B25IDCKR	TEXAS INSTRUMENTS
39	Y1	1	16MHz	CRYSTAL, OSCILLATOR, 16MHZ, -30PPM/DEGC/+30PPM/DEGC, -40DEGC/+85DEGC, SMD	NX3225GA-16.000M-STD-CRG-1	NIHON DEMPYA KOGYO

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46, latest issue, and to discontinue any product or service per JESD48, latest issue. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products (also referred to herein as "components") are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI's terms and conditions of sale of semiconductor products. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI components 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 such information 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.

Reproduction of significant portions of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Products

Audio	www.ti.com/audio
Amplifiers	amplifier.ti.com
Data Converters	dataconverter.ti.com
DLP® Products	www.dlp.com
DSP	dsp.ti.com
Clocks and Timers	www.ti.com/clocks
Interface	interface.ti.com
Logic	logic.ti.com
Power Mgmt	power.ti.com
Microcontrollers	microcontroller.ti.com
RFID	www.ti-rfid.com
OMAP Applications Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
Communications and Telecom	www.ti.com/communications
Computers and Peripherals	www.ti.com/computers
Consumer Electronics	www.ti.com/consumer-apps
Energy and Lighting	www.ti.com/energy
Industrial	www.ti.com/industrial
Medical	www.ti.com/medical
Security	www.ti.com/security
Space, Avionics and Defense	www.ti.com/space-avionics-defense
Video and Imaging	www.ti.com/video

TI E2E Community

e2e.ti.com