None
8/9/2016 4:25:04 PM
TIDA-00854

TIDA-00854 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TIDA-00854	Any	Printed Circuit Board	
C1, CINT	2	0.1uF	C0805C104K4RACTU	Kemet	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0805	0805
C2, C5, C8, C10	4	0.1uF	C0603C104K8RACTU	Kemet	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X7R, 0603	0603
C3, C4, C7, C9, CF	5	10uF	C0805C106K8PACTU	Kemet	CAP, CERM, 10 µF, 10 V, +/- 10%, X5R, 0805	0805
C6	1	1uF	C0603C105K8PACTU	Kemet	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0603	0603
GAS_SENSOR	1		2112B2005	City Technology	CityTech 4CF+ Carbon Monoxide Sensor	
J1, J2, J3	3		450-3326-01-03-00	Wearnes Cambion Ltd	Socket, Single Cage Jack, TH	Socket, Single pin solder mount
JA, JB, JC, JD	4		SSW-110-23-F-S	Samtec	Connector, Receptacle, 100mil, 10x1, Gold plated, TH	10x1 Receptacle
JP1	1		800-10-003-10-001000	Mill-Max	Header, 100mil, 3x1, TH	Header, 3x1, 100mil, TH
JP2, R2, R4, R5, R8, R11	6	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
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
Q1	1	-30V	MMBFJ177	Fairchild Semiconductor	JFET, P-CH, -30 V, -0.002 A, SOT-23	SOT-23
R3	1	1.0Meg	CRCW06031M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.1 W, 0603	0603
R6	1	22Meg	RMCF0603JT22M0	Stackpole Electronics Inc	RES, 22 M, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1	2.74Meg	CRCW06032M74FKEA	Vishay-Dale	RES, 2.74 M, 1%, 0.1 W, 0603	0603
R9, R12, RC, RE	4	10k	RC0603JR-0710KL	Yageo America	RES, 10 k, 5%, 0.1 W, 0603	0603
R10, RO	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
RF	1	110k	RT0603BRD07110KL	Yageo America	RES, 110 k, 0.1%, 0.1 W, 0603	0603
RL	1	10.0	RT0603BRD0710RL	Yageo America	RES, 10.0, 0.1%, 0.1 W, 0603	0603
SH-J1	1	1x2	SNT-100-BK-G	Samtec	Shunt, 100mil, Gold plated, Black	Shunt
TP1	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		LPV802DGKR	Texas Instruments	350 nA Rail-to-Rail I/O Nanopower Operational Amplifier Family, DGK0008A	DGK0008A
U2	1		HDC1080DMBR	Texas Instruments	Low Power, High Accuracy Digital Humidity Sensor with Temperature Sensor, DMB0006A	DMB0006A
U3, U4	2		REF1112AIDBZR	Texas Instruments	1 uA Shunt Voltage Reference, 1.25 V, 10 ppm / degC, 5 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265