

Bom for Vacuum Chamber Sensorboard

Comment	Value	Description	Designator
CRCW0805715KFKEA	715k	Thick film resistor, 1%, 125mW	R14_T1, R14_T2, R14_T3, R14_T4
CRCW0805442RFKEA	442	Thick film resistor, 1%, 125mW	R7_T1, R7_T2, R7_T3, R7_T4
CRCW0805300RFKEA	300	Thick film resistor, 1%, 125mW	R15, R17, R19, R21
CRCW0805294KFKEA	294k	Thick film resistor, 1%, 125mW	R13_T1, R13_T2, R13_T3, R13_T4
CRCW0805220RFKEA	220	Thick film resistor, 1%, 125mW	R27
CRCW0805215KFKEA	215k	Thick film resistor, 1%, 125mW	R12_T1, R12_T2, R12_T3, R12_T4
CRCW0805133KFKEA	133k	Thick film resistor, 1%, 125mW	R11_T1, R11_T2, R11_T3, R11_T4
C0805C104K5RACTU	100 nF	Ceramic capacitor, X7R, 10%, 50V	C1, C2, C3_T1, C3_T2, C3_T3, C3_T4, C4_T1, C4_T2, C4_T3, C4_T4, C15, C16, C19
C3216C0G1H104J160AA	100 nF	Ceramic capacitor, C0G, 5%, 50V	C23
GRM31C5C1E104JA01L	100 nF	Ceramic capacitor, C0G, 5%, 25V	C8_T1, C8_T2, C8_T3, C8_T4, C9_T1, C9_T2, C9_T3, C9_T4
ERJ-6RSFR10V	100m	Thick film resistor, 1%, 125mW	R26
GRM31C5C1H823GA01L	82 nF	Ceramic capacitor, C0G, 2%, 50V	C10_T1, C10_T2, C10_T3, C10_T4
RG2012P-4022-B-T5	40.2k	Thin film resistor, 0.1%, 100mW	R23
CRCW080522K6FKEA	22.6k	Thick film resistor, 1%, 125mW	R9_T1, R9_T2, R9_T3, R9_T4
GRM21B5C1H223JA01L	22 nF	Ceramic capacitor, C0G, 5%, 50V	C6_T1, C6_T2, C6_T3, C6_T4
CRCW080520R0FKEA	20	Thick film resistor, 1%, 125mW	R28
GRM2195C1H123JA01D	12 nF	Ceramic capacitor, C0G, 5%, 50V	C11_T1, C11_T2, C11_T3, C11_T4
C3216X7R1C106K160AC	10 uF	Ceramic capacitor, X7R, 10%, 16V	C12, C13
CRCW080510M0FKEA	10M	Thick film resistor, 1%, 125mW	R5_T1, R5_T2, R5_T3, R5_T4
CRCW080510K0FKEB	10k	Thick film resistor, 1%, 125mW	R3, R4, R6_T1, R6_T2, R6_T3, R6_T4, R8_T1, R8_T2, R8_T3, R8_T4, R10_T1, R10_T2, R10_T3, R10_T4, R16, R18, R20, R22
RG2012P-103-B-T5	10k	Thin film resistor, 0.1%, 100mW	R24
C2012X7R1A475K125AC	4.7 uF	Ceramic capacitor, X7R, 10%, 10V	C22
CRCW08054K70FKEB	4.7k	Thick film resistor, 1%, 125mW	R1, R2
C0805C105K4RACTU	1 uF	Ceramic capacitor, X7R, 10%, 16V	C14, C17, C18, C20, C21_T1, C21_T2, C21_T3, C21_T4
GRM2165C1H102JA01D	1 nF	Ceramic capacitor, C0G, 5%, 50V	C5_T1, C5_T2, C5_T3, C5_T4, C7_T1, C7_T2, C7_T3, C7_T4
CRCW08050000Z0EA	0 ohm	Thick film resistor, 1%, 125mW	R25_T1, R25_T2, R25_T3, R25_T4
1751248		Terminal block, 2P, 3.5mm, screw	J4, J5, J6, J7, J9
1751303		Terminal block, 8P, 3.5mm, screw	J8
71600-110LF		IDC socket, 10way, 2.54 mm	X2, X3, X4, X5, X6, X7
AD623BRZ		Instrumentation amplifier, rail to rail	U4_T1, U4_T2, U4_T3, U4_T4
ADR3425ARJZ		Series voltage reference, 2.5V	U13
ADT7410TRZ		Temperature sensor, I2C output	U2
AQV252GA		Solid state relay, DC/AC, 60V, 2.5A	U5, U6, U7, U8
HSCDANN015PA2A3		Absolute pressure sensor, I2C output	U1
KP-3216CGCK		Chip led lamp,green, 50mcd @ 20mA	D1
LMP7702MA/NOPB		Op. amp, dual, rail-to-rail, single supply	U3_T1, U3_T2, U3_T3, U3_T4, U10
MA-ISK-S15-500-P1-2.0-C2-T		Type K thermocouple, mineral insulated	X1
SA36CA-E3/54		TVS diode, bidirectional, 36 V	TVS1, TVS2, TVS3, TVS4
T821110A1S100CEU		Header, 2x5, 2.54mm	J1, J2, J3
TPS7A4533DCQ		LDO regulator, 3.3V, 1.5A	U9

Quantity	Supplier 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Stock 1	Supplier Subtotal 1	Supplier Unit Price 1	Supplier 2	Supplier Order Qty 2	Supplier Part Number 2	Supplier Stock 2
4	Mouser		4 71-CRCW0805715KFKEA	32794 kr	2,16 kr	0,54				
4	Mouser		4 71-CRCW0805-442-E3	13349 kr	2,16 kr	0,54				
4	Mouser		4 71-CRCW0805300RFKEA	34645 kr	2,16 kr	0,54				
4	Mouser		4 71-CRCW0805294KFKEA	4636 kr	2,16 kr	0,54				
1	Mouser		1 71-CRCW0805-220-E3	87016 kr	0,54 kr	0,54				
4	Mouser		4 71-CRCW0805-215K-E3	9094 kr	2,16 kr	0,54	Farnell	4	1652955	10437
4	Mouser		4 71-CRCW0805-133K-E3	5528 kr	2,16 kr	0,54				
13	Mouser	13	80-C0805C104K5R	1189229 kr	8,79 kr	0,68	Farnell	13	1414664	40980
1	Mouser		1 810-C3216C0G1H104J	3578 kr	4,66 kr	4,66				
8	Mouser	10	81-GRM31C5C1E104JA01	45719 kr	21,50 kr	2,15				
1	Mouser		1 667-ERJ-6RSFR10V	3840 kr	4,19 kr	4,19	Farnell	5	1717785	7094
4	Mouser		4 81-GRM31C5C1H823GA1L	1957 kr	30,84 kr	7,71				
1	Mouser		1 754-RG2012P-4022-BT5	2741 kr	1,96 kr	1,96				
4	Mouser		4 71-CRCW0805-22.6K-E3	37900 kr	2,16 kr	0,54	Farnell	4	1652961	11210
4	Mouser		4 81-GRM215C1H223JA01L	19690 kr	8,64 kr	2,16	Farnell	10	1828943	7440
1	Mouser		1 71-CRCW0805-20-E3	16957 kr	0,54 kr	0,54				
4	Mouser		4 81-GRM2195C1H123JA1D	8753 kr	11,36 kr	2,84				
2	Mouser		2 810-C3216X7R1C106K	48236 kr	4,60 kr	2,30	Farnell	10	1907353	14720
4	Mouser		4 71-CRCW0805-10M-E3	58045 kr	2,16 kr	0,54				
18	Mouser	18	71-CRCW080510K0FKEB	66156 kr	5,78 kr	0,32				
1	Mouser		1 754-RG2012P-103-B-T5	11948 kr	1,96 kr	1,96				
1	Mouser		1 810-C2012X7R1A475K	21805 kr	1,76 kr	1,76				
2	Mouser		2 71-CRCW08054K70FKEB	20825 kr	1,08 kr	0,54				
8	Mouser		8 80-C0805C105K4R	332753 kr	6,49 kr	0,81	Farnell	10	9227792	11000
8	Mouser	10	81-GRM40C102J50D	26974 kr	3,89 kr	0,39				
4	Mouser		4 71-CRCW0805-0-E3	465545 kr	2,16 kr	0,54				
5	Mouser		5 651-1751248	8607 kr	37,50 kr	7,50				
1	Mouser		1 651-1751303	1668 kr	28,90 kr	28,90				
6	Farnell		6 1103927	485 kr	35,46 kr	5,91				
4	Mouser		4 584-AD623BRZ	1835 kr	169,32 kr	42,33	Farnell	4	2305589	232
1	Mouser		1 584-ADR3425ARJZ-R7	3290 kr	17,49 kr	17,49	Farnell	1	1827384	7620
1	Mouser		1 584-ADT7410TRZ	1561 kr	23,83 kr	23,83	Farnell	1	2102534	1637
4	Mouser		4 769-AQV252GA	2006 kr	139,92 kr	34,98				
1	Mouser		1 785-HSCDANN015PA2A3	16 kr	298,37 kr	298,37				
1	Farnell		1 2290333	1710 kr	0,94 kr	0,94				
5	Farnell		5 1651867	510 kr	90,85 kr	18,17				
1	Farnell		1 1289623	6 kr	256,70 kr	256,70				
4	Mouser		4 625-SA36CA-E3/54	3710 kr	13,80 kr	3,45				
3	Farnell		3 2215304	7279 kr	12,09 kr	4,03				
1	Mouser		1 595-TPS7A4533DCQT	629 kr	25,35 kr	25,35				
Totalt:				kr	1 288,57					

Supplier Subtotal 2		Supplier Unit Price 2	
kr	1,08	kr	0,27
kr	-		
kr	2,87	kr	0,22
kr	-		
kr	-		
kr	8,45	kr	1,69
kr	-		
kr	-		
kr	1,08	kr	0,27
kr	14,10	kr	1,41
kr	-		
kr	-		
kr	25,80	kr	2,58
kr	-		
kr	-		
kr	-		
kr	-		
kr	4,30	kr	0,43
kr	-		
kr	-		
kr	-		
kr	-		
kr	-		
kr	180,60	kr	45,15
kr	22,81	kr	22,81
kr	18,56	kr	18,56