

CSIR - Central Scientific Instruments Organisation

19.01.2026

Ref: CSIO08012026TSP00406 / 2025-26

Subject: Procurement of electronic components as listed in table below

Sr. No.	Description	Part Number	Qty
1	CAPACITOR CERAMIC 0.1UF 25V X7R 0805	AC0805KRX7R8BB104 or Equivalent	84
2	CAPACITOR CERAMIC 0.22UF 16V X7R 0805	CC0805JRX7R7BB224 or Equivalent	18
3	CAPACITOR CERAMIC 0805 18PF 25V X8R 0805	C0805X180F3HACTU or Equivalent	12
4	CAPACITOR CERAMIC 1UF 16V X7R 0805	AC0805KKX7R7BB105 or Equivalent	42
5	CAPACITOR CERAMIC 0.27UF 16V X7R 0805	CC0805JRX7R7BB274 or Equivalent	6
6	CAPACITOR CERAMIC 2.2UF 25V X7R 0805	AC0805KKX7R8BB225 or Equivalent	12
7	CAPACITOR CERAMIC 33UF 10V X5R 0805	C2012X5R1A336M125AC or Equivalent	12
8	DIODE SCHOTTKY 20V 75MA DO204AH	1N5712 or Equivalent	30
9	DIODE SCHOTTKY 15V 1A DO-214AA	VS-10BQ015-M3/5BT or Equivalent	10
10	LED, Green, SMD, 0805, 20 mA, 2.2 V	KP-2012SGC or Equivalent	10
11	FILTER LC(T) 4700PF SMD, 2A	NFE61PT472C1H9L or Equivalent	10
12	CONNECTOR MICRO-D PLG 15POS VERT SLDR	0836129024 or Equivalent	5
13	CONNECTOR HEADER VERTICAL 3POS 1.27MM	GRPB031VWVN-RC or Equivalent	5
14	CONNECTOR HEADER VERT 4POSITION 2.54MM	61300411121 or Equivalent	10
15	CONNECTOR RECEPTOR 40POS 0.1 TIN PCB	M20-7832046 or Equivalent	5
16	TERMINAL BLOCK 2P HORIZON 2.54MM PCB	691210910002 or Equivalent	5
17	DC DC CONVERTER +/-3.3V 1W	IMM0105D03 or Equivalent	5
18	RESISTOR ARRAY 2 RES 50K OHM 0606	ACASN5002S5002P1AT or Equivalent	18
19	RESISTOR ARRAY 2 RES 5K OHM 0606	ACASN5001S5001P1AT or Equivalent	18
20	RESISTOR SMD 1 KOHM 1% 1/4W 0805	AC0805FR-7W1KL or Equivalent	48
21	RESISTOR SMD 0 OHM JUMPER 1/8W 0805	AC0805FR- 070RL or Equivalent	42
22	RESISTOR SMD 71.5K OHM 1% 1/8W 0805	AC0805FR-0771K5L or Equivalent	36
23	RESISTOR SMD 200 OHM 1% 1/8W 0805	AC0805FR- 07200RL or Equivalent	18
24	RESISTOR SMD 100 KOHM 1% 1/4W 0805	AC0805FR- 7W100KL or Equivalent	12
25	RESISTOR SMD 430 OHM 1% 1/8W 0805	AC0805FR- 07430RL or Equivalent	12
26	RESISTOR SMD 10K OHM 1% 1/8W 0805	AC0805FR-1010KL or Equivalent	18
27	TVS DIODE 6VWM 10.3VC DO214AA	SMBJ6.0A or Equivalent	5
28	TVS DIODE 13VWM 21.5VC DO214AA	SMBJ13A or Equivalent	5
29	IC INSTRUMENTATION AMPLIFIER 1 CIRCUIT 8SOIC	AD8221ARZ or Equivalent	15

30	IC OPAMP GENERAL PURPOSE 4 CIRCUIT 14SOIC	LM324ADR or Equivalent	5
31	IC ADC 4 CHANNEL 24BIT 32TQFP	ADS131A04IPBS or Equivalent	5
32	IC OPAMP GP 4 CIRCUIT 14SOIC	OPA4197IDR or Equivalent	5
33	CRYSTAL 16.3840MHZ 18PF SMD	ABLS-16.384MHZ-L4Q-T or Equivalent	5
34	CONNECTOR D-SUB SOCKET 26-28AWG CRIMP PIN	0830000083 or Equivalent	150
35	CONNECTOR MICRO-D HOUSING RCPT 15POS	0834229014 or Equivalent	5
36	Raspberry PI Compute Module 5 16GB RAM 64 GB eMMC with Wi-Fi/Bluetooth	CM5116064 or Equivalent	3
37	Raspberry Pi Compute Module 5 IO Board	SC1751 or Equivalent	3

Note:

1. All items listed must be quoted. Any equivalent component quoted must be functionally and dimensionally compatible and meet all electrical, mechanical, and quality specifications of the specified part number. L1 will be evaluated based on the total value of the complete quotation.
2. The budgetary quotation for the items is to be submitted through E-mail jatin.sharma.csio@csir.res.in CC to ripul.ghosh.csio@csir.res.in on or before 21.01.2026, Contact: 0172-2672346

Jatin Sharma
Technical Assistant, CSIR-CSIO
0172-2672346
For & on behalf of CSIR-CSIO