

CSIR-Central Scientific Instruments Organisation

Ref: CSIO/ISenS/2026/37717

12.08.2026

Subject: Procurement of electronic components as listed in table below

Annexure- A

Sr. No.	Description	Part Number	Qty
1	CAPACITOR CERAMIC 1UF 16V X7R 0805	AC0805KKX7R7BB105 or equivalent	50
2	CAPACITOR CERAMIC 0.1UF 25V X7R 0805	AC0805KRX7R8BB104 or equivalent	30
3	CAPACITOR CERAMIC 0.22UF 16V X7R 0805	CC0805JRX7R7BB224 or equivalent	30
4	CAPACITOR CERAMIC 2.2UF 25V X7R 0805	AC0805KKX7R8BB225 or equivalent	20
5	CAPACITOR CERAMIC 18PF 25V X8R 0805	C0805X180F3HACTU or equivalent	20
6	CAPACITOR CERAMIC 0.27UF 16V X7R 0805	CC0805JRX7R7BB274 or equivalent	20
7	CAPACITOR CERAMIC 33UF 10V X5R 0805	C2012X5R1A336M125AC or equivalent	20
8	TVS DIODE 5VWM 5.5VC DSN0603-2	PESD5V0X1BCSFYL or equivalent	40
9	TVS DIODE 5VWM 7.2VC	DESD5V0U1BA-7 or equivalent	8
10	DIODE SCHOTTKY 15V 1A	VS-10BQ015-M3/5BT or equivalent	8
11	CHIP LED 0805 RED SMD	XL-2012VRC or equivalent	8
12	FILTER LC(T) 4700PF SMD	NFE61PT472C1H9L or equivalent	10
13	CONNECTOR HEADER VERTICAL 5POS 2.54MM	87224-5 or equivalent	10
14	CONNECTOR RECEPTOR 40POS 0.1 TIN PCB	2223 Adafruit or equivalent	5
15	CONNECTOR HEADER VERTICAL 3POS 2.54MM	87224-3 or equivalent	5
16	DC DC CONVERTER +/-3.3V 1W	IMM0105D03 or equivalent	5
17	RESISTOR SMD 1 KOHM 1% 1/4W 0805	AC0805FR-7W1KL or equivalent	50
18	RESISTOR SMD 33K OHM 1% 1/8W 0805	AC0805FR-0733KL or equivalent	50
19	RESISTOR SMD 0 OHM JUMPER 1/8W 0805	AC0805FR-070RL or equivalent	70
20	RESISTOR SMD 200 OHM JUMPER 1/8W 0805	AC0805FR-07200RL or equivalent	25
21	RESISTOR SMD 100 KOHM JUMPER 1/8W 0805	AC0805FR-7W100KL or equivalent	30
22	RESISTOR SMD 430 OHM 1% 1/8W 0805	AC0805FR-07430RL or equivalent	10
23	TRIMMER 10K OHM 0.5W GW TOP ADJ	3361P-1-103GLF or equivalent	60
24	IC INSTRUMENTATION AMPLIFIER 1 CIRCUIT 8SOIC	AD620ARZ or equivalent	20
25	IC OPAMP GENERAL PURPOSE 4 CIRCUIT 14SOIC	LM324ADR or equivalent	5
26	IC OPAMP GENERAL PURPOSE 1 CIRCUIT SOT23-5	OPA197IDBVR or equivalent	5
27	IC ADC 4 CHANNEL 24BIT 32TQFP	ADS131A04IPBS or equivalent	5
28	CRYSTAL 16.3840MHZ 18PF SMD	ABLS-16.384MHZ-L4Q-T or equivalent	5
29	DIODE SCHOTTKY 6V 100MA TUMD2M	RBE01VYM6AFHTR or equivalent	20
30	IDC CONNECTOR HEADER RIGHT ANGLE 8 POSITION 2.54MM	BHR-08-HUA or equivalent	10
31	IDC CONNECTOR HEADER RIGHT ANGLE 12 POSITION 2.54MM	BHR-12-HUA or equivalent	10
32	SOCKET FLAT CABLE IDC 8P 2.54MM	FCS-08-SG or equivalent	10
33	SOCKET FLAT CABLE IDC 12P 2.54MM	FCS-12-SG or equivalent	10
34	RASPBERRY PI COMPUTE MODULE 5 IO Board	SC1751 or Equivalent	2
35	Raspberry PI Compute Module 5 16GB RAM 32 GB eMMC with Wi-Fi/Bluetooth	CM5116032 or Equivalent	2
36	SBC, XIAO nRF52840, 256kB RAM, 2MB FLASH MODULE	102010448 or Equivalent	2

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.
2. Vendor must ensure that all quoted parts must be mandatorily supplied to CSIR-CSIO, adhering to the lead times provided in the quotation.
3. L1 will be evaluated based on the total value of the complete quotation.
4. The budgetary quotation for the items is to be submitted through Email jatin.sharma.csio@csir.res.in , ripul.ghosh.csio@csir.res.in and aparna.akula.csio@csir.res.in on or before 14.08.2026, Contact: 0172-2672346