

CSIR - Central Scientific Instruments Organisation

29.01.2026

Ref: CSIO27012026MMP045201 WP-T47A6 / 2025-26

Subject: Procurement of electronic components as listed in table below

Sr. No.	Description	Part Number	Qty
1	CAPACITOR CERAMIC 1UF 16V X7R 0805	AC0805KKX7R7BB105 or equivalent	28
2	CAPACITOR CERAMIC 0.1UF 25V X7R 0805	AC0805KRX7R8BB104 or equivalent	16
3	CAPACITOR CERAMIC 0.22UF 16V X7R 0805	CC0805JRX7R7BB224 or equivalent	16
4	CAPACITOR CERAMIC 2.2UF 25V X7R 0805	AC0805KKX7R8BB225 or equivalent	8
5	CAPACITOR CERAMIC 18PF 25V X8R 0805	C0805X180F3HACTU or equivalent	8
6	CAPACITOR CERAMIC 0.27UF 16V X7R 0805	CC0805JRX7R7BB274 or equivalent	4
7	CAPACITOR CERAMIC 33UF 10V X5R 0805	C2012X5R1A336M125AC or equivalent	8
8	TVS DIODE 5VWM 5.5VC DSN0603-2	PESD5V0X1BCSFYL or equivalent	32
9	TVS DIODE 5VWM 7.2VC	DESD5V0U1BA-7 or equivalent	4
10	DIODE SCHOTTKY 15V 1A	VS-10BQ015-M3/5BT or equivalent	4
11	CHIP LED 0805 RED SMD	XL-2012VRC or equivalent	4
12	FILTER LC(T) 4700PF SMD	NFE61PT472C1H9L or equivalent	8
13	CONNECTOR HEADER VERTICAL 5POS 2.54MM	87224-5 or equivalent	8
14	CONNECTOR RECEPTOR 40POS 0.1 TIN PCB	M20-7832046 or equivalent	4
15	CONNECTOR HEADER VERTICAL 3POS 1.27MM	GRPB031VWVN-RC or equivalent	4
16	DC DC CONVERTER +/-3.3V 1W	IMM0105D03 or equivalent	4
17	RESISTOR SMD 1 KOHM 1% 1/4W 0805	AC0805FR-7W1KL or equivalent	32
18	RESISTOR SMD 33K OHM 1% 1/8W 0805	AC0805FR-0733KL or equivalent	32
19	RESISTOR SMD 0 OHM JUMPER 1/8W 0805	AC0805FR-070RL or equivalent	52
20	RESISTOR SMD 200 OHM JUMPER 1/8W 0805	AC0805FR-07200RL or equivalent	12
21	RESISTOR SMD 100 KOHM JUMPER 1/8W 0805	AC0805FR-7W100KL or equivalent	16
22	RESISTOR SMD 430 OHM 1% 1/8W 0805	AC0805FR-07430RL or equivalent	4
23	TRIMMER 10K OHM 0.5W GW TOP ADJ	3361P-1-103GLF or equivalent	32
24	IC INSTRUMENTATION AMPLIFIER 1 CIRCUIT 8SOIC	AD620ARZ or equivalent	16
25	IC OPAMP GENERAL PURPOSE 4 CIRCUIT 14SOIC	LM324ADR or equivalent	4
26	IC OPAMP GENERAL PURPOSE 1 CIRCUIT SOT23-5	OPA197IDBVR or equivalent	4
27	IC ADC 4 CHANNEL 24BIT 32TQFP	ADS131A04IPBS or equivalent	4

28	CRYSTAL 16.3840MHZ 18PF SMD	ABLS-16.384MHZ-L4Q-T or equivalent	4
29	DIODE SCHOTTKY 6V 100MA TUMD2M	RBE01VYM6AFHTR or equivalent	16
30	Raspberry Pi 5 16GB RAM with Wi-Fi/Bluetooth	SC1113 or equivalent	3
31	RASPBERRY PI TOUCH DISPLAY 2	SC1635 or equivalent	3
32	Raspberry Pi Touch Display 2 - Mounting Frame	PIM756 or equivalent	3
33	IDC CONNECTOR HEADER VERTICAL 8 POSITION 2.54MM	BHR-08-VUA or equivalent	20
34	IDC CONNECTOR HEADER VERTICAL 12 POSITION 2.54MM	BHR-12-VUA or equivalent	20
35	SOCKET FLAT CABLE IDC 8P 2.54MM	FCS-08-SG or equivalent	20
36	SOCKET FLAT CABLE IDC 12P 2.54MM	FCS-12-SG or equivalent	20

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 **neerajguleria.csio@csir.res.in** CC to **ripul.ghosh.csio@csir.res.in** and **jatin.sharma.csio@csir.res.in** on or before 02.02.2026, Contact: 0172-2672346

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For & on behalf of CSIR-CSIO