Main Circuit And Support

U1
VT-CC1101-433 CC1101 sub-GHz transceiver module, 433MHz

RF	ANT	SCLK	SCK_3V3
CSN_3V3	CSN	SI	SI_3V3
GDO0_3V3	GDO0	SO	SO_3V3
GDO2_3V3	GDO2	VCC	3V3
GND	GND		

U3
TXS0108E 8-bit bidirectional level translator

CSN_3V3	A1	B3	MOSI
SCK_3V3	A2	B4	MISO
SI_3V3	A3	B5	GDO0
SO_3V3	A4	B6	GDO2
GDO0_3V3	A5	GND	GND
GDO2_3V3	A6	OE	OE
CS	B1	VCCA	3V3
SCK	B2	VCCB	VIN

3V3 — **C3** 10µF 10V X5R — GND

3V3 — **C4** 100nF 50V X7R — GND

Main Circuit And Support

VIN — **C5** 100nF 50V X7R — GND

3V3 — **R1** 10k ohm 1% — OE

Power And Indicators

U2
AP2112K-3.3 LDO 600mA

1 VIN	VIN
2 GND	GND
3 EN	VIN
4 NC	NC_U2
5 VOUT	3V3

VIN — **C1** 10µF 10V X5R — GND

3V3 — **C2** 1µF 50V X5R — GND

DESIGN NOTES

Matching net labels identify connected signals.

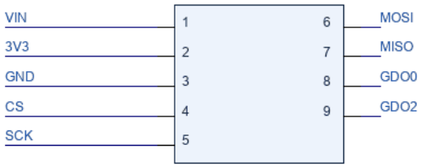
Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

PROJECT / DOCUMENT: Cc1101 433Mhz Subghz Transceiver			STATUS: DESIGN REVIEW
DRAWN BY: ElectroTrical	CHECKED BY: -	DATE: 2026-11-12	REVISION: A
DOCUMENT NUMBER: ET-C22-SCH-001		FORMAT: A3 / LANDSCAPE	SHEET: 1 of 2

Connectors

J3 DNP
2.54mm male pin header (ship loose)



J4
U.FL receptacle 50 ohm



DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

ELECTROTRICAL.COM

PROJECT / DOCUMENT			STATUS
Cc1101 433Mhz Subghz Transceiver			DESIGN REVIEW
DRAWN BY	CHECKED BY	DATE	REVISION
ElectroTrical	-	2026-11-12	A
DOCUMENT NUMBER		FORMAT	SHEET
ET-C22-SCH-002		A3 / LANDSCAPE	2 of 2