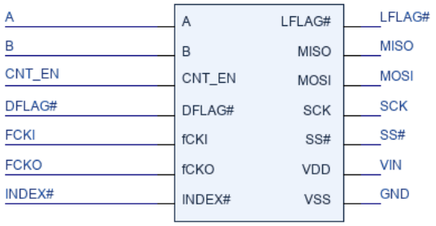
ET-MD15

Main Circuit And Support

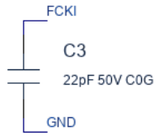
## Main Circuit And Support

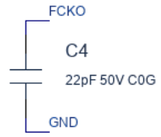
**U1**
LS7366R-TS 32-bit quadrature counter, SPI



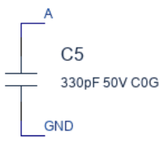

**Y1**
8MHz crystal 20pF ±10ppm

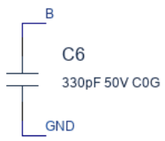


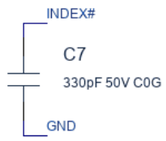



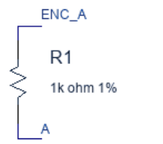




## Main Circuit And Support

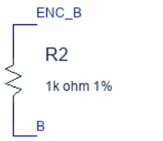


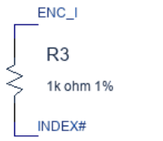



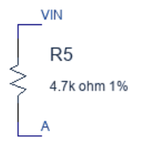

## Main Circuit And Support



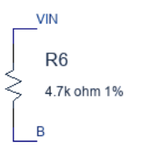










## Main Circuit And Support













DESIGN NOTES

Matching net labels identify connected signals.

Assembly and DNP details are stored with each component.

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| PROJECT / DOCUMENT | | | STATUS |
|---|---|---|---|
| Ls7366R Quadrature Encoder Counter | | | DESIGN REVIEW |
| DRAWN BY | CHECKED BY | DATE | REVISION |
| ElectroTrical | - | 2026-11-12 | A |
| DOCUMENT NUMBER | | FORMAT | SHEET |
| ET-MD15-SCH-001 | | A3 / LANDSCAPE | 1 of 2 |

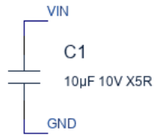
## Main Circuit And Support

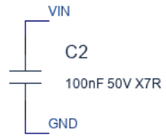






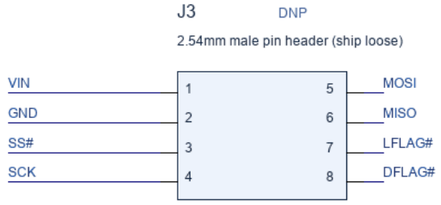
## Power And Indicators



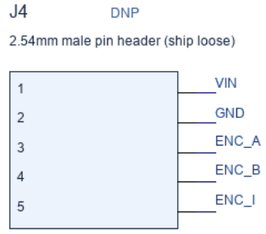




## Connectors

J3 DNP
2.54mm male pin header (ship loose)




J4 DNP
2.54mm male pin header (ship loose)




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| ElectroTrical | - | 2026-11-12 | A |
| DOCUMENT NUMBER | | FORMAT | SHEET |
| ET-MD15-SCH-002 | | A3 / LANDSCAPE | 2 of 2 |