

Through Bore Encoder

Specifications

General Specifications

| Parameter Description | Parameter |
|-----------------------|------------------|
| Sensor Type | Digital, Encoder |
| Connector | JST-PH 6-pin |
| Mounting Holes | #10 Clearance |

Electrical Specifications

| Parameter | Min | Typ | Max | Units |
|---------------|-----|-----|-------|-------|
| Input Voltage | 3.3 | - | 5.0 | V |
| Logic Level | - | 3.3 | 5.0 | V |
| Maximum RPM | - | - | 10000 | RPM |

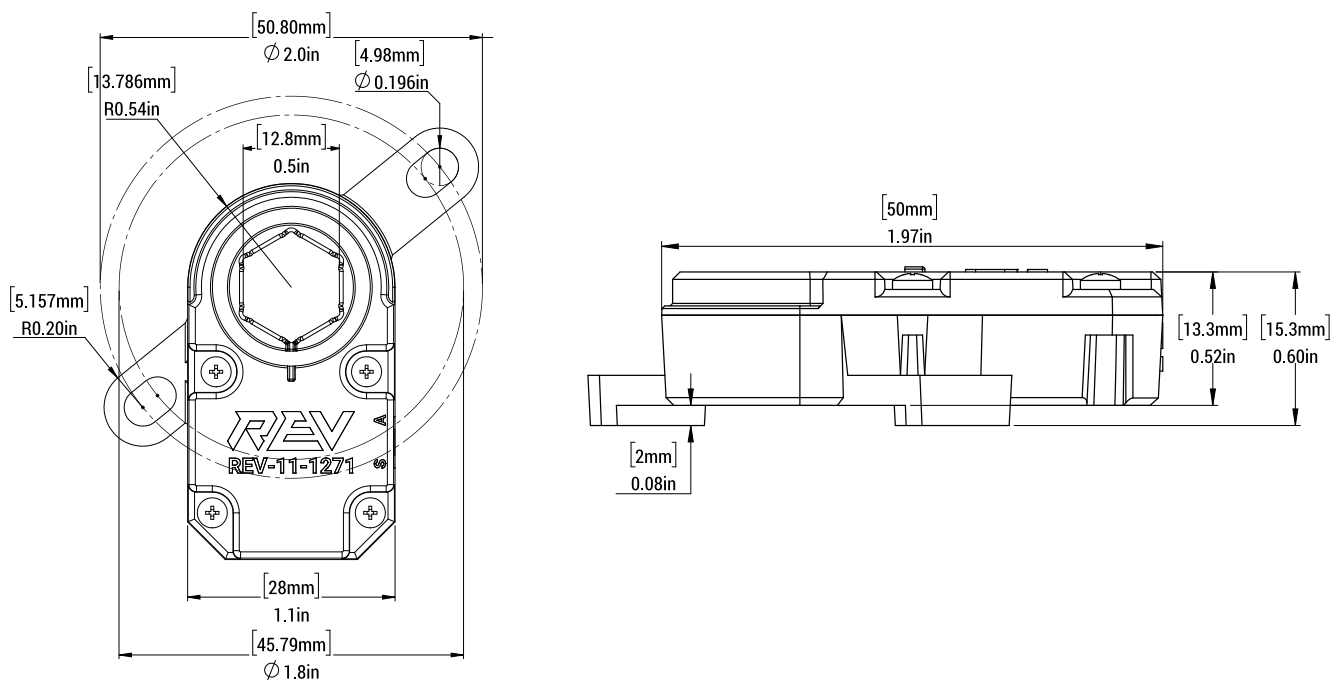
Incremental Output

| Parameter | Min | Typ | Max | Units |
|-----------------------|-----|------|-----|----------------|
| Quadrature Resolution | - | 2048 | - | Cycles per Rev |
| | - | 8192 | - | Counts per Rev |
| Index Pulse Frequency | - | 1 | - | Pulse per Rev |
| Index Pulse Width | - | 90 | - | °e |

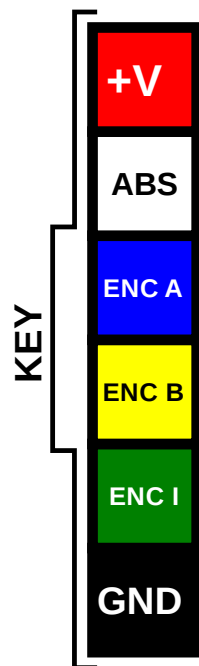
Absolute Pulse Output (Duty Cycle)

| Parameter | Min | Typ | Max | Units |
|-------------------------|-----|-------|-----|---------|
| Period | - | 1025 | - | μ s |
| Frequency | - | 975.6 | - | Hz |
| Minimum Pulse (0°) | - | 1 | - | μ s |
| Maximum Pulse (360°) | - | 1024 | - | μ s |
| Pulse Resolution | - | 10 | - | bit |

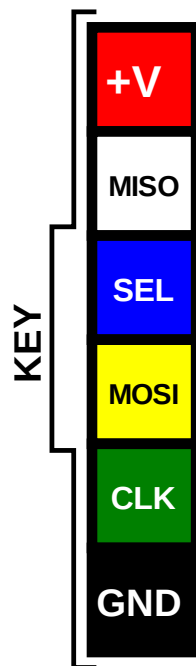
Mechanical Drawings



Pinout



ENCODER MODE
PINOUT



SPI/SSI MODE
PINOUT