

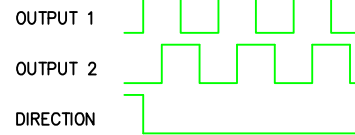
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APP

- SUPPLY VOLTAGE: 4.5V TO 30V DC REGULATED
- SUPPLY CURRENT: 15mA MAX @ NO LOAD, BOTH OUTPUTS HIGH
- OUTPUT TYPE: SUPPLY TRACKING, OPEN COLLECTOR
- OUTPUT LOGIC LOW (V_{ol}): 0.4V MAX @ 5mA
- OUTPUT LOGIC HIGH (V_{oh}): (V_s-0.2V) X (R_L/(2.2K + R_L)) TYPICAL
- PROTECTION: REVERSE POLARITY AND OUTPUT SHORT CIRCUIT
- OPERATING FREQUENCY: 0Hz TO 15KHz
- AIR GAP: 0.100" (SEE NOTE 1)
- DUTY CYCLE: 50% ± 25% DEPENDENT ON TARGET GEOMETRY
- PHASE SHIFT: 90° ± 45° DEPENDENT ON TARGET GEOMETRY (SEE ALIGNMENT)
- ALIGNMENT: 12P (2M) SPUR GEAR CONTACT FACTORY FOR CUSTOM ALIGNMENT
- OPERATING TEMPERATURE: -40°C TO 125°C
- STORAGE TEMPERATURE: -40°C TO 125°C
- MATING CONNECTOR: MIL-DTL-26482 TYPE 10-6SN
- ENVIRONMENT RATING: IP68

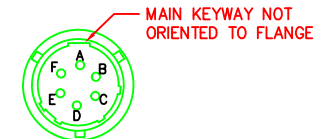
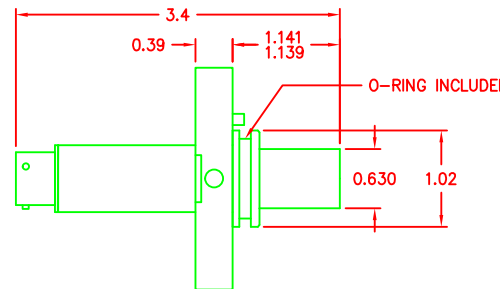
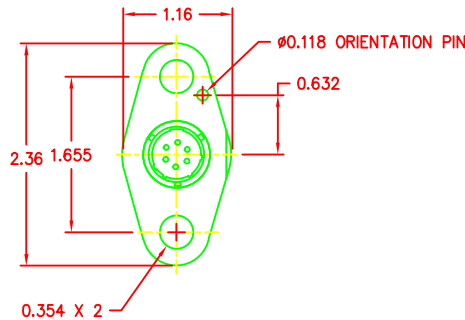
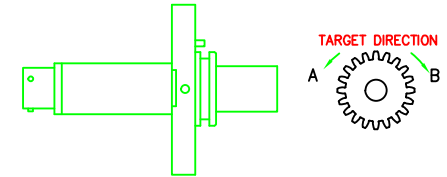
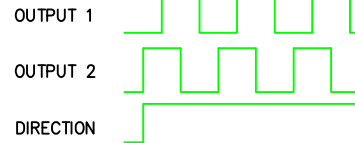
NOTES:

1. AIR GAP IS DEPENDENT ON TARGET GEOMETRY AND OPERATING FREQUENCY
HIGHER OPERATING FREQUENCIES AND FINER PITCH GEARS MAY REQUIRE AIR GAPS LESS THAN 0.100"

DIRECTION A



DIRECTION B



PIN DESCRIPTION	PIN
POWER INPUT	A
POWER AND PULSE COMMON	B
OUTPUT PULSE 1	C
OUTPUT PULSE 2	D
DIRECTION OUTPUT	E
NO CONNECTION	F

786 PITTS CHAPEL ROAD
ELIZABETH CITY, NC 27909

MATERIAL	APPROVALS	
300 SERIES STAINLESS	DRAWN W. STAMBAUGH	DATE 08/23/16
FINISH	CHECK M. PRITCHARD	DATE 08/23/16
	ISSUED M. PRITCHARD	DATE 08/23/16
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<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES OTHER THAN THE SIZE OF RAW MATERIAL SHALL BE HELD AS FOLLOWS:</small>		
<small>1 PLACE DECIMAL ±.1 2 PLACE DECIMAL ±.01 3 PLACE DECIMAL ±.005 FRACTIONAL ±1/64 ANGULAR ±1/2°</small>		

MOTION SENSORS, INC.

TITLE
**OUTLINE-SPECIFICATION DRAWING
DUAL HALL EFFECT, OPEN COLLECTOR TYPE
SUPPLY TRACKING OUTPUT WITH DIRECTION,
FLANGED HOUSING WITH CONNECTOR**

SIZE C	CAGE CODE OY2U4	DWG NO HD-128	REV -
SCALE NONE	SHEET		