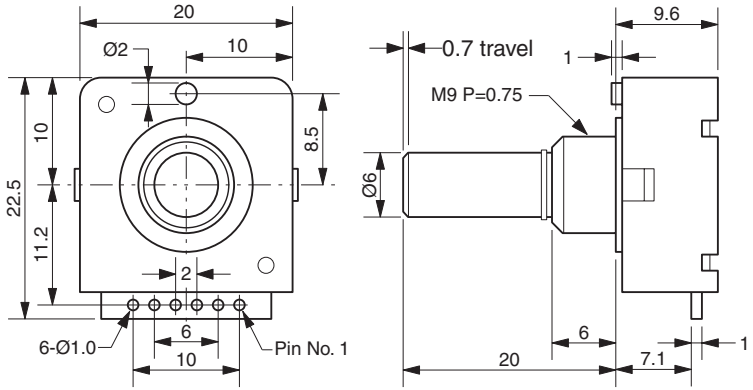
REV.	DESCRIPTION	DATE
A	NEW DRAWING	11/05/2008

EC206E025A



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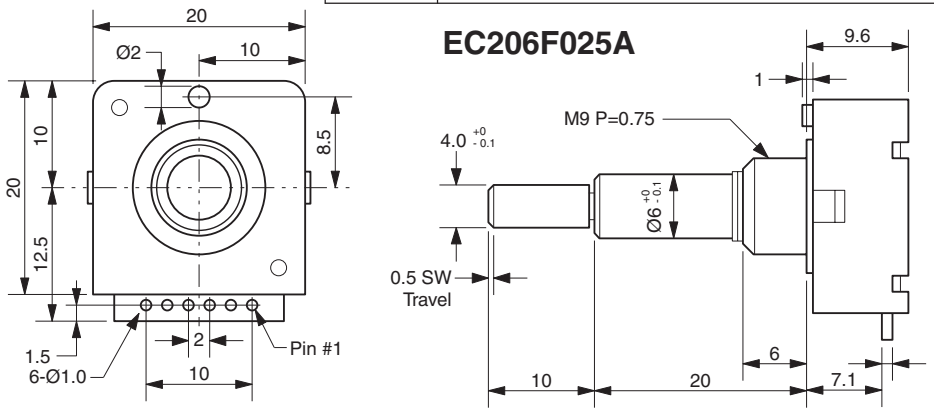

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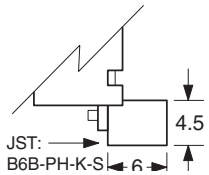

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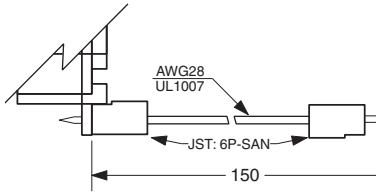

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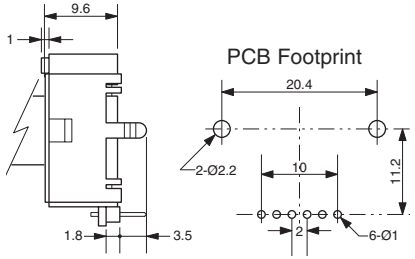
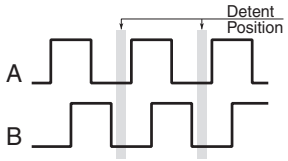


LOGIC PATTERN

(Clockwise rotation viewed from front) ←



SPECIFICATIONS

ELECTRICAL

1. Input Voltage: 5.0 VDC ±5%
2. Resolution: 25PPR
3. Current Consumption: 20mA max.
4. Output Voltage: High: VCC-0.5Vmin
   Low: 0.7Vmax
5. Max. Freq. Response: 100Hz

MECHANICAL

1. Max Shaft Load, radial: 1.0 kgf
   axial: 1.0 kgf
2. Rotational Angle: 360° continuous
3. Detent Torque: 40±20 gf cm max.
4. Maximum Speed: 240 RPM
5. Rotational Life: 1,000,000 cycles

ENVIRONMENTAL

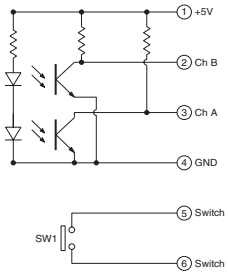
1. Operating Temp: 0° to +60° C
2. Storage Temp: -20° to +80° C
3. Humidity: 85% RH, no condensation
4. Vibration: 10 - 55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 6ms, 3 axes, 3 reps

PUSH SWITCH

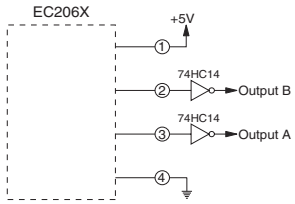
1. Rating: 12VDC, 50mA
2. Contact Resistance: 200M W max.
3. Insulation Resistance: 100M W min.
4. Voltage Withstand: 250VAC, 1 min.
5. Operating Force: 306~612gf
6. Travel: 0.7mm ±0.3mm
7. Bounce: 10ms
8. Life: 1,000,000 cycles

OUTPUT CIRCUIT

INTERNAL CIRCUIT



EXTERNAL CIRCUIT



ORDERING INSTRUCTIONS

EC206X025XX

Shaft style:
E = Single shaft
F = Dual concentric shaft

Termination options:
A = Solder holes
B = Connector
C = Cable
D = PC board mount

Jumper:
1 = With JMP1
2 = Without JMP1

RoHS

CUI INC
20050 SW 112th Ave.
Tualatin, OR 97062
Phone: 503-612-2300
800-275-4899
Fax: 503-612-2383
Website: www.cui.com

TITLE: panel mount optical encoder		REV: A
PART NO. EC206X025XX	UNITS: MM	
DRAWN BY: JRH	APPROVED BY:	SCALE:

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