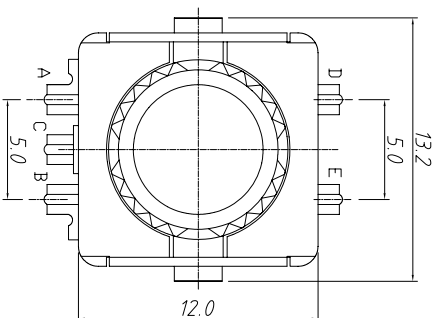
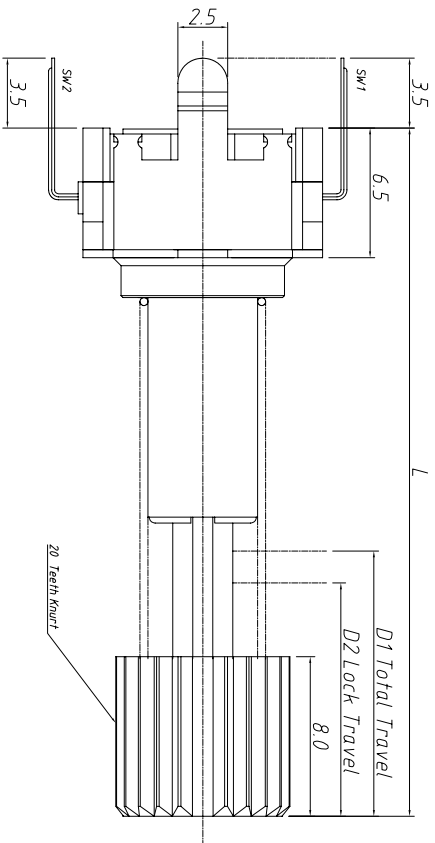
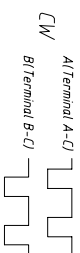
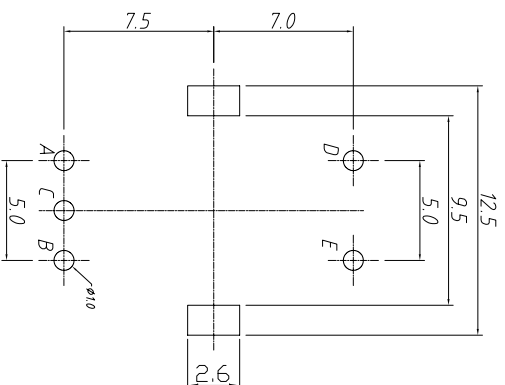
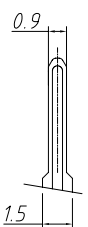




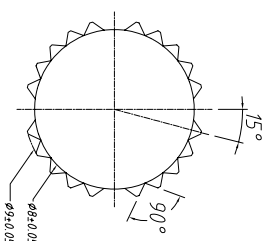
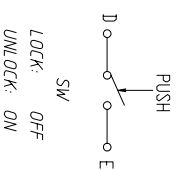
L	34.5	26.4
D1	13.3	9.0
D2	11.7	8.0

Electrical Characteristics
Rated Power: DC5V 5mA Max.
Output signal: A \ B 2signals
Resolution: 15 Pulses 360°
Phase difference: 0.08T Min.
Sliding noise: 3mS Max.
Contact Resistance: 1Ω Max.
Insulation resistance: 100MΩ Min. at DC 250V
Withstand voltage: AC300V / 1min

Mechanical
Total rotation angle: 360°
Click Torque: 20~200 gf.cm
Push-pull Strength of Shaft: 8.0kgf Min.
Number of Detents: 30 detents Step angle:12°±2°
Rotational Life: 15000±200 cycles per 100gf.cm Min.
Temp. Range: -30 ° C ~ + 80 ° C
Soldering: 250 ° C 3Sec. Max.



OUTPUT PHASE



Order Information:

L-KLS4-EC1104_S - 5A-XX

RoHS 11mm Encoder
Switch: S- with switch
Pulse and Detent Code
5A: 15 Pulse with 30 Detents
Shaft type and Length Code

GENERAL TOLERANCE		ANGLE TOLERANCE	PROJECTION		Description:
X. ±0.50	X. ±5°		UNITS	mm	11MM Encoder with Switch
.X ±0.38	.X ±3°		SHEET SIZE	A4	
.XX ±0.25	.XX ±2°		KLS P/N.	KLS4-EC1104S-XX-XX	

Draw by: Date

2017-09-01

Check by: Date

2017-09-05

SCALE

SHEET

OF

KLS ELECTRONIC CO., LTD.

PCB LAYOUT