



4 INPUTS/4 LAMP OUTPUTS -OR-
5 INPUTS, 1 OF 5 LAMP OUTPUTS

Q1-Q5=SI2308DS (2A/30V)
D1-D5=MBR0530 (.5A/30V)

BINARY CODED OUTPUT TABLE (1 OF 5)							
ROKU OUTPUTS		LAMP OUTPUTS					
IO-6	IO-5	IO-4	OUT-0	OUT-1	OUT-2	OUT-3	OUT-4
0	0	0	0	0	0	0	0
0	0	1	1	0	0	0	0
0	1	0	0	1	0	0	0
0	1	1	0	0	1	0	0
1	0	0	0	0	0	1	0
1	0	1	0	0	0	0	1
1	1	0	0	0	0	0	0
1	1	1	1	1	1	1	1

- OPTIONS SELECT (JUMPER INSERTED)
- LAMP CYCLE LOOP IF ALL LAMP INPUTS=0
 - 25% BRIGHTNESS IF IO-4,5,6,7=0
SELECTED LIGHTS = 100% BRIGHTNESS
 - NOT BINARY CODED OUTPUT (I TO J)
ROKU IO-4,5,6,7 CONTROLS OUTPUTS 0,1,2,3
 - LAMP DIAGNOSTIC (ALL LAMP INPUTS IGNORED)

Comp	HMS ELECTRONICS
no	ROKU_HD_GPIO_S.DBF
name	ROKU HD INTERFACE BOARD
date	4X4 OR 5X1
author	04-25-09
Rev	1.0
Engineer	Richard Harley
	HMS Electronics