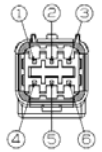


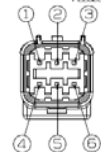
NO.	LIST	SPECIFICATION	NOTE
1	Operating Voltage Range	9V ~ 16V	
2	Rating Voltage	12V	
3	Dark Current	Max. 500uA	
4	Max. Current	500mA	
5	Operating Temp. Range	-30°C ~ 75°C	
6	Storage Temp. Range	-40°C ~ 85°C	
7	Lighting Current Consumption	Max. 35mA	
8	NFC Detection Distance	13mm	HDL Ass'y: 10mm
9	Touch Detection Distance	3mm	HDL Ass'y: 1mm



No.	content	NFC+TOUCH	TOUCH ONLY
1	Connect the connector to the PINMAP. (See picture PINMAP on the right)	O	O
2	Wait for the stabilization time after supplying the 12V power. (MAX. 10S)	O	O
3	When the touch area is touched, a low signal is output through the lock/unlock pin. (Lock/Unlock pin: Hi-Z status whitout touch, Pull up from external controller)	O	O
3-1	The Lock/Unlock signal is output through CAN communication.	O	
4	When an nfc card(or cellular phone) is accessed in the nfc area, an nfc detection signal is output through CAN communication.	O	
5	When the P/light On signal is input through the CAN communication, The P/light is turned on.	O	
5-1	When a low signal(short GND) is input to the P/light pin, P/light is turned on.		O

PINMAP

YURA CONNECTOR					
MATING CONNECTOR : 240228-BK					
					
* 5A12 5 - LOCK/UNLOCK 5A12 5 - 5A12 5					
CONNECTOR A/B HOUSING ASSY : 240228-BK TERMINAL : 310109-11					
- 240228-BK					
TOUCH + NFC					
PIN ID	FUNCTION	WIRE	COLOR	SIGNAL DESCRIPTION	
1	BATT(+)	Q22 5G	RED	POWER SUPPLY	
2	LOCK / UNLOCK	Q22 5G	YELLOW	LOCK/UNLOCK HARDWARED SIGNAL	
3	L CAN L	Q22 5G	GREEN	CAN LOW SIGNAL	
4	L CAN H	Q22 5G	BLUE	CAN HIGH SIGNAL	
5	-	-	-	-	
6	GND	Q22 5G	BLACK	ELECTRIC GROUND	

YURA CONNECTOR					
MATING CONNECTOR : 240228-BK					
					
* 5A12 5 - LOCK/UNLOCK 5A12 5 - 5A12 5					
CONNECTOR A/B HOUSING ASSY : 240228-BK TERMINAL : 310109-11					
- 240228-BK					
TOUCH ONLY					
PIN ID	FUNCTION	WIRE	COLOR	SIGNAL DESCRIPTION	
1	BATT(+)	Q22 5G	RED	POWER SUPPLY	
2	DUMMY	Q22 5G	WHITE	DUMMY	
3	P/LIGHT	Q22 5G	GREEN	EXTERNAL LED CONTROL	
4	LOCK / UNLOCK	Q22 5G	YELLOW	LOCK/UNLOCK HARDWARED SIGNAL	
5	-	-	-	-	
6	GND	Q22 5G	BLACK	ELECTRIC GROUND	

Notice:

This Device complies with Part 15 of the FCC Rules [and with Industry Canada licence–exempt RSS standard(s)].

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Notice:

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Class B

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation