Haier

X-multi unit dip switch setting introduction

Dip switch function explanation

Indoor unit

No.	Series	Dip switch	Function
①	AB/AC/AD	SW01(7)	**Indoor communicate address setting method (dip switch or infrared controller)**
	AS/AF	SW01(1)	
②	AB/AC/AD	SW03(6-8)	**Indoor communicate address**
	AS/AF	SW02(6-8)	
③	AB/AC/AD	SW01(1-4)	**Group control address(YR-E12 1:16)**
④	AB/AC/AD	SW02(1-8)	**Central control address**
	AS/AF	SW01(2-8)	
⑤	AB/AC/AD	SW03(1-3)	**Indoor unit capacity**
	AS	SW02(1-2)	
	AF	SW02(1-3)	
⑥	AB/AC/AD	SW01(8)	**Room card function**
	AS/AF	SW02(5)	
⑦	AB/AC/AD	SW03(4)	**Wired or infrared controller**
⑧	AB/AC/AD	SW03(5)	**Heat pump or cool only mode**

Note: More details of the dip switch, please read the service manual.

Outdoor unit

No.	Model	Dip switch	Function
⑨	AU18/22/28/34	SW5(1)	Outdoor fan motor selection
		SW5(2)	Defrost data setting
		SW5(3-4)	Pipe length selection
		SW5(5-6)	Outdoor unit capacity
		SW5(7)	ISPM or SPDU
		SW5(8)	Silent operation function
⑩	AU25/36	SW5(1)	Outdoor fan motor selection
		SW5(2)	Defrost data setting
		SW5(3)	Operation current
		SW5(4-6)	Outdoor unit capacity
		SW5(7)	ISPM or SPDU
		SW5(8)	Silent operation function

Note: More details of the dip switch, please read the service manual

AF09-122XCERA

SW01								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
--	0	0	0	0	0	0	0	Central control address=1
--	0	0	0	0	0	0	1	Central control address =2
----								----
--	1	1	1	1	1	1	0	Central control address =127
--	1	1	1	1	1	1	1	Central control address =128
0	--	--	--	--	--	--	--	Indoor communication address set by remote controller
1	--	--	--	--	--	--	--	Indoor communication address set by dip switch

SW02								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
0	0	0	--	--	--	--	--	AF092XCERA capacity selection
0	0	1	--	--	--	--	--	AF122XCERA capacity selection
--	--	--	0	--	--	--	--	Pre-set
--	--	--	1	--	--	--	--	Pre-set
--	--	--	--	0	--	--	--	Room card function valid
--	--	--	--	1	--	--	--	Room card function unavailable
--	--	--	--	--	0	0	0	Indoor communication address 1
--	--	--	--	--	0	0	1	Indoor communication address 2
--	--	--	--	--	0	1	0	Indoor communication address 3
--	--	--	--	--	0	1	1	Indoor communication address 4
--	--	--	--	--	1	0	0	Indoor communication address 5
--	--	--	--	--	1	0	1	Indoor communication address 6
--	--	--	--	--	1	1	0	Indoor communication address 7
--	--	--	--	--	1	1	1	Indoor communication address 8

AS07-122XVERA

SW01								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
--	0	0	0	0	0	0	0	Central control address=1
--	0	0	0	0	0	0	1	Central control address =2
----								----
--	1	1	1	1	1	1	0	Central control address =127
--	1	1	1	1	1	1	1	Central control address =128
0	--	--	--	--	--	--	--	Indoor communication address set by remote controller
1	--	--	--	--	--	--	--	Indoor communication address set by dip switch

SW02								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
0	0	--	--	--	--	--	--	AS072 capacity selection
0	1	--	--	--	--	--	--	AS092 capacity selection
1	0	--	--	--	--	--	--	AS122 capacity selection
--	--	0	0	--	--	--	--	LCD display board (LCD remote receiver)
--	--	1	1	--	--	--	--	LED display board (LED remote receiver)
--	--	--	--	0	--	--	--	Room card function valid
--	--	--	--	1	--	--	--	Room card function unavailable
--	--	--	--	--	0	0	0	Indoor communication address 1
--	--	--	--	--	0	0	1	Indoor communication address 2
--	--	--	--	--	0	1	0	Indoor communication address 3
--	--	--	--	--	0	1	1	Indoor communication address 4
--	--	--	--	--	1	0	0	Indoor communication address 5
--	--	--	--	--	1	0	1	Indoor communication address 6
--	--	--	--	--	1	1	0	Indoor communication address 7
--	--	--	--	--	1	1	1	Indoor communication address 8

AS182XVERA

SW01								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
--	0	0	0	0	0	0	0	Central control address=1
--	0	0	0	0	0	0	1	Central control address =2
----								----
--	1	1	1	1	1	1	0	Central control address =127
--	1	1	1	1	1	1	1	Central control address =128
0	--	--	--	--	--	--	--	Indoor communication address set by remote controller
1	--	--	--	--	--	--	--	Indoor communication address set by dip switch

SW02								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
0	0	--	--	--	--	--	--	AS182 capacity selection
1	0	--	--	--	--	--	--	AS222 capacity selection
--	--	0	0	--	--	--	--	LCD display board (LCD remote receiver)
--	--	1	1	--	--	--	--	LED display board (LEDremotereceiver)
--	--	--	--	0	--	--	--	Room card function valid
--	--	--	--	1	--	--	--	Room card function unavailable
--	--	--	--	--	0	0	0	Indoor communication address 1
--	--	--	--	--	0	0	1	Indoor communication address 2
--	--	--	--	--	0	1	0	Indoor communication address 3
--	--	--	--	--	0	1	1	Indoor communication address 4
--	--	--	--	--	1	0	0	Indoor communication address 5
--	--	--	--	--	1	0	1	Indoor communication address 6
--	--	--	--	--	1	1	0	Indoor communication address 7
--	--	--	--	--	1	1	1	Indoor communication address 8

AB*XCERA, AC*XCERA, AD*XLERA

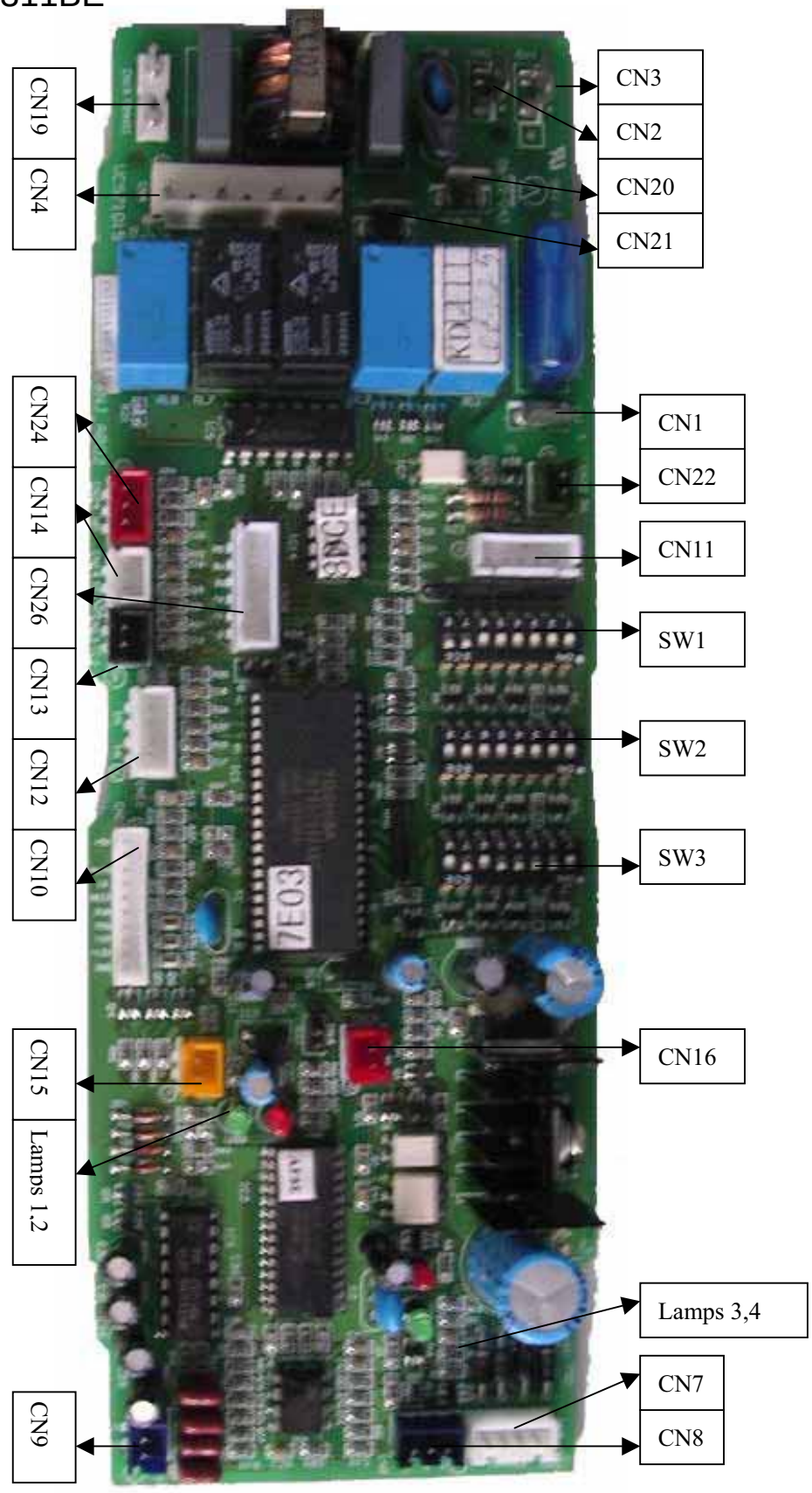
SW01								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
0	0	0	0	--	--	--	--	Address 1 in wired control group
0	0	0	1	--	--	--	--	Address 2 in wired control group
----								----
1	1	1	1	--	--	--	--	Address 16 in wired control group
--	--	--	--	--	--	--	0	Room card function valid
--	--	--	--	--	--	--	1	Room card function unavailable
--	--	--	--	--	--	0	--	Indoor address set by remote controller
--	--	--	--	--	--	1	--	Indoor address set by dip switch
--	--	--	--	--	0	--	--	AC 3-speed fan motor
--	--	--	--	--	1	--	--	Stepless speed adjusting motor(pre-set)
--	--	--	--	0	--	--	--	Pre-set
--	--	--	--	1	--	--	--	Pre-set

SW02								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
——	0	0	0	0	0	0	0	Central control address =1
——	0	0	0	0	0	0	1	Central control address =2
----								----
——	1	1	1	1	1	1	1	Central control address =128
0								Forbidden to set central address by dip switch
1								Set central address by dip switch

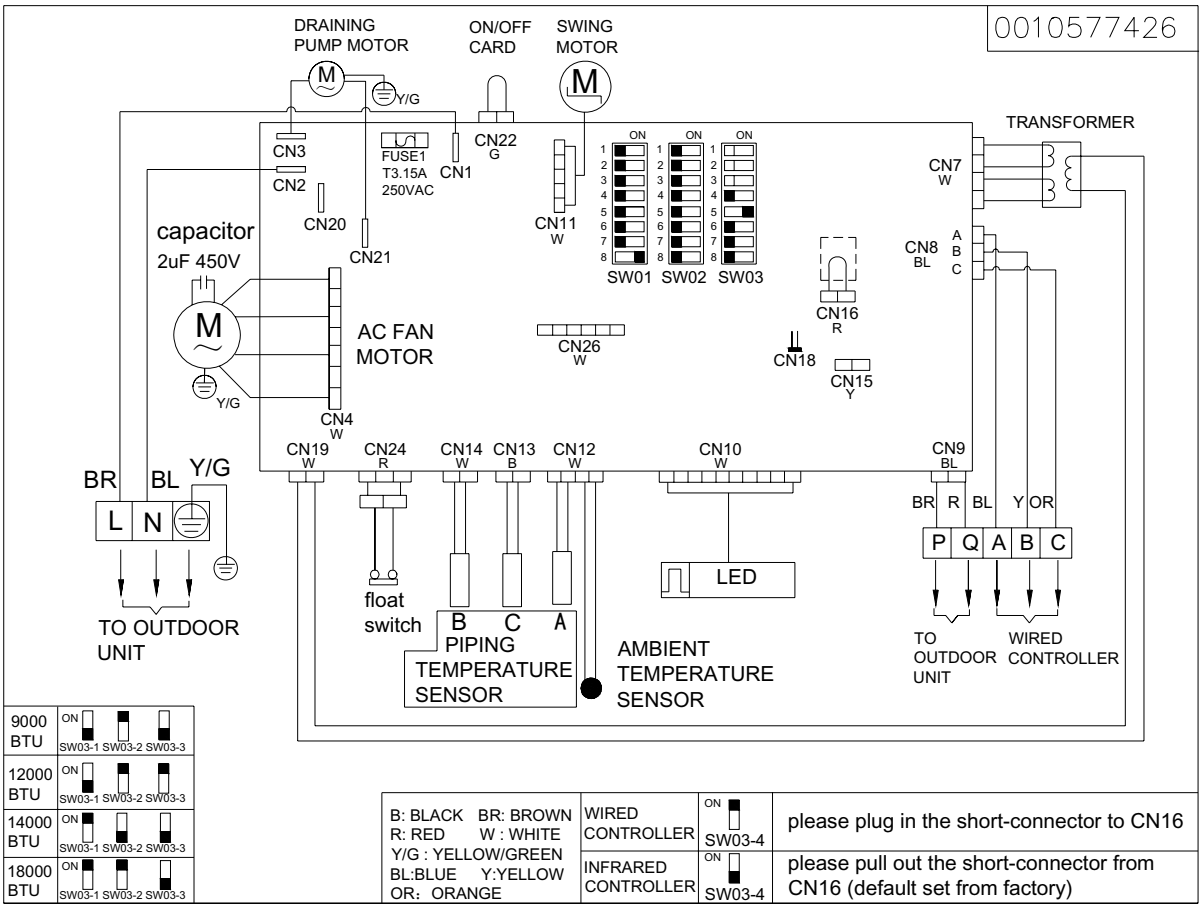
SW03								description
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	
0	1	0	--	--	--	--	--	AB092XCERA/AD092XLERA capacity selection
0	1	1	--	--	--	--	--	AB122XCERA/AD122XLERA capacity selection
1	0	0	--	--	--	--	--	AB142XCERA/AD142XLERA/AC142XCERA capacity selection
1	1	0	--	--	--	--	--	AB182XCERA/AD182XLERA/AC182XCERA capacity selection
--	--	--	0	--	--	--	--	Remote control model
--	--	--	1	--	--	--	--	Wired control model
--	--	--	--	0	--	--	--	cooling only type
--	--	--	--	1	--	--	--	heat pump
--	--	--	--	--	0	0	0	Indoor communication address 1
--	--	--	--	--	0	0	1	Indoor communication address 2
--	--	--	--	--	0	1	0	Indoor communication address 3

--	--	--	--	--	0	1	1	Indoor communication address 4
--	--	--	--	--	1	0	0	Indoor communication address 5
--	--	--	--	--	1	0	1	Indoor communication address 6
--	--	--	--	--	1	1	0	Indoor communication address 7
--	--	--	--	--	1	1	1	Indoor communication address 8

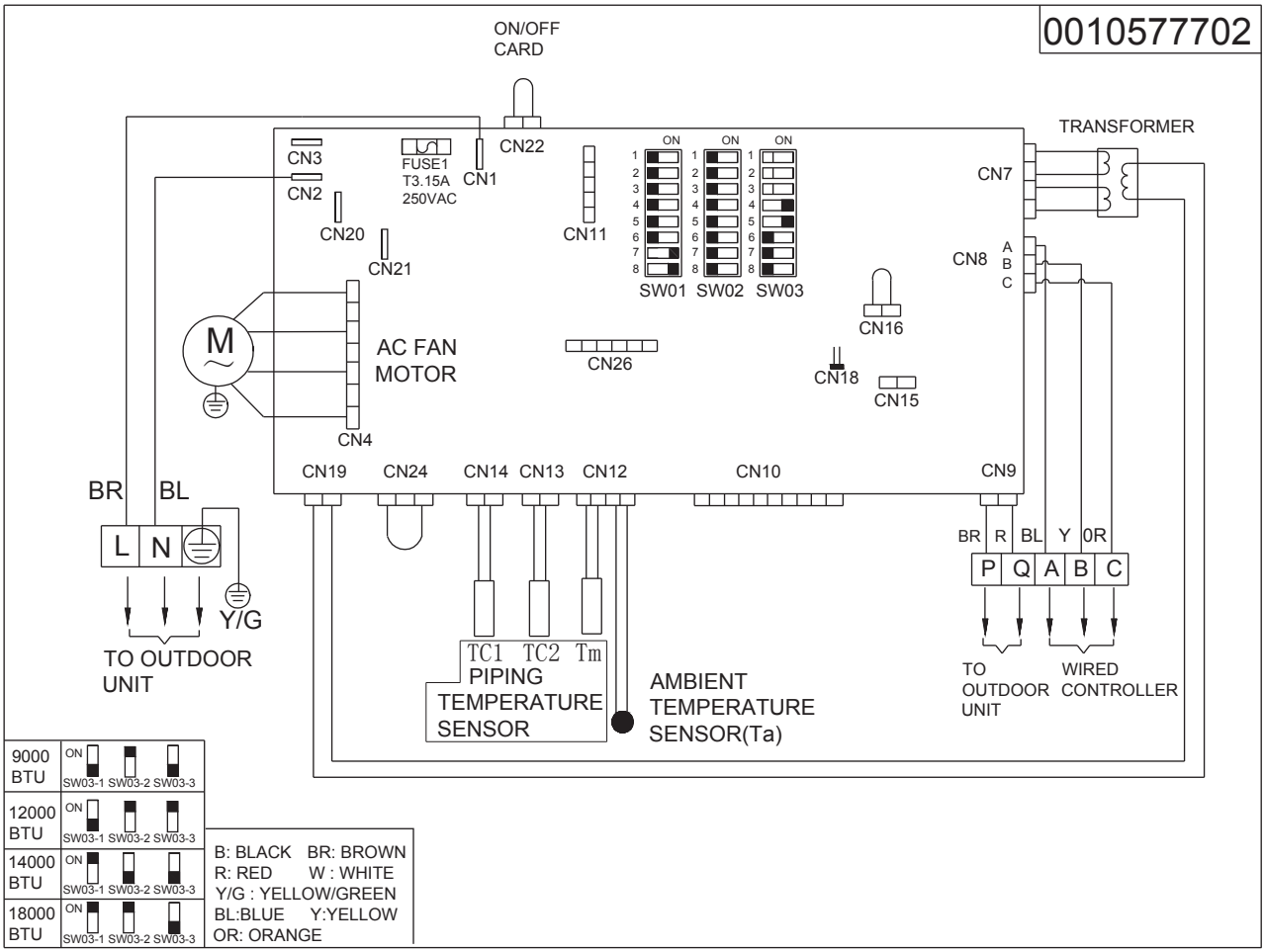
AB***XCERA,AD***XLERA Room card port is CN22
0010450311BE



AB***XCERA WiringDiagram

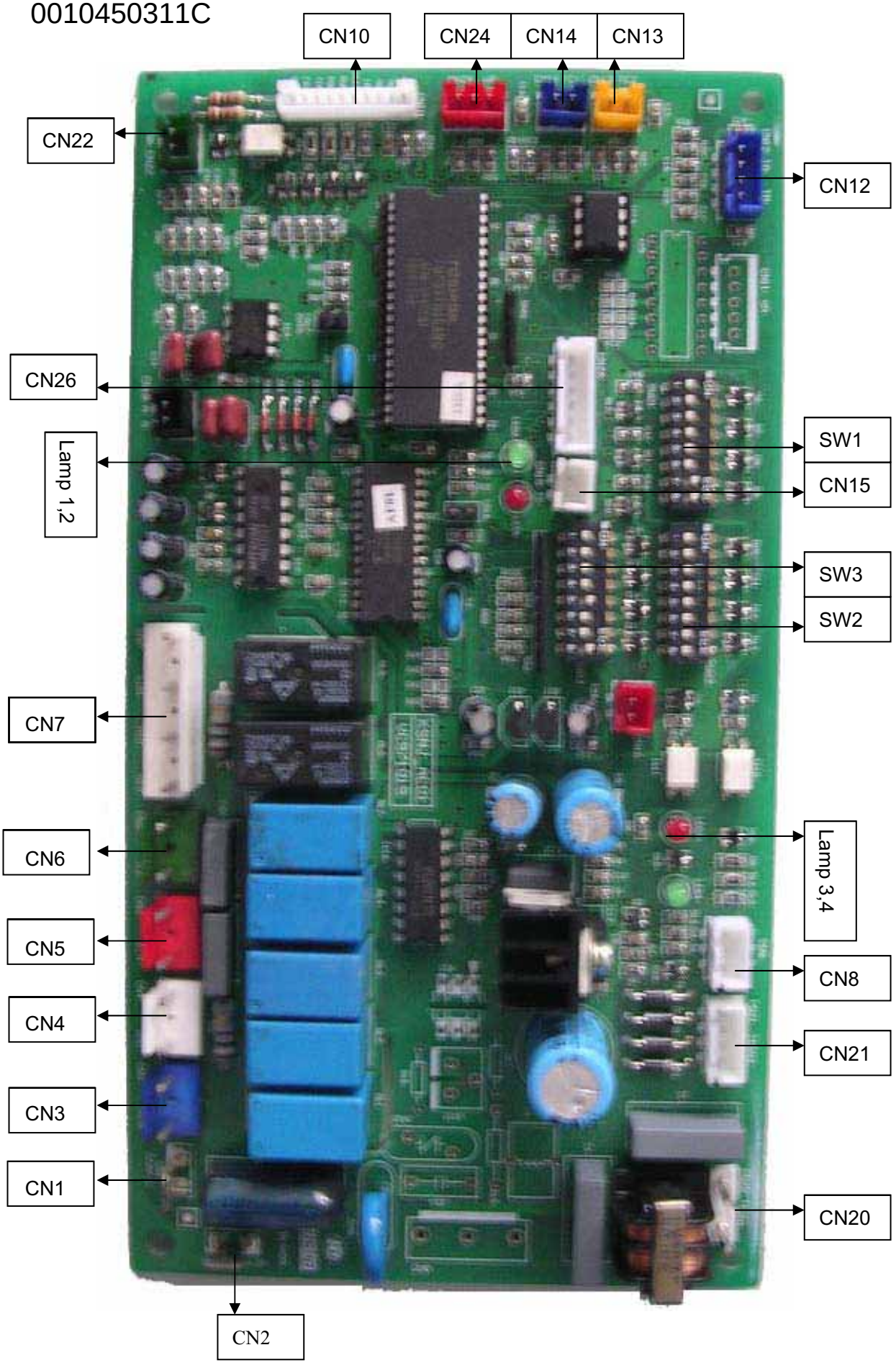


Wiring diagram of AD***XLERA

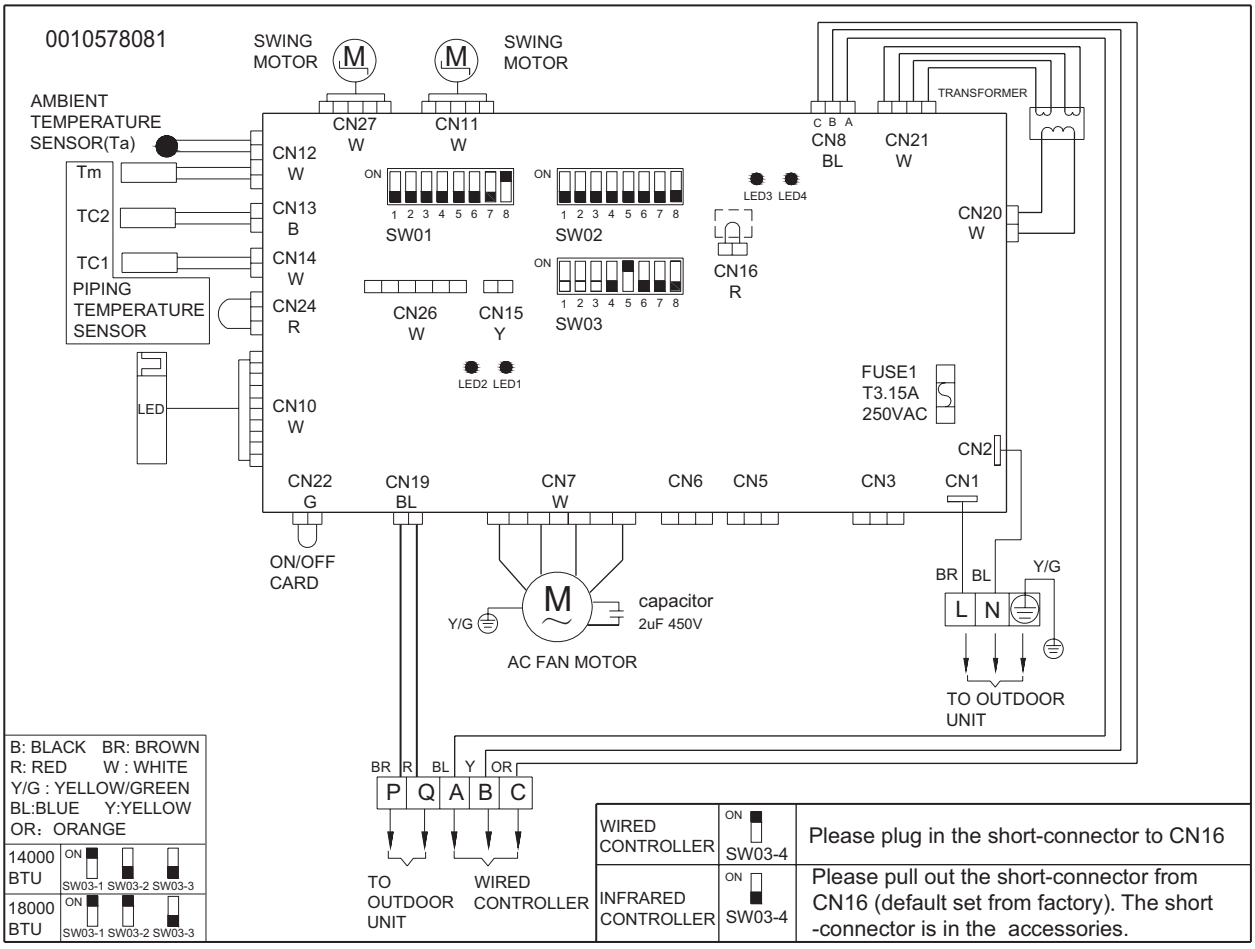


AC14-182XCERA
0010450311C

Room card port is CN22



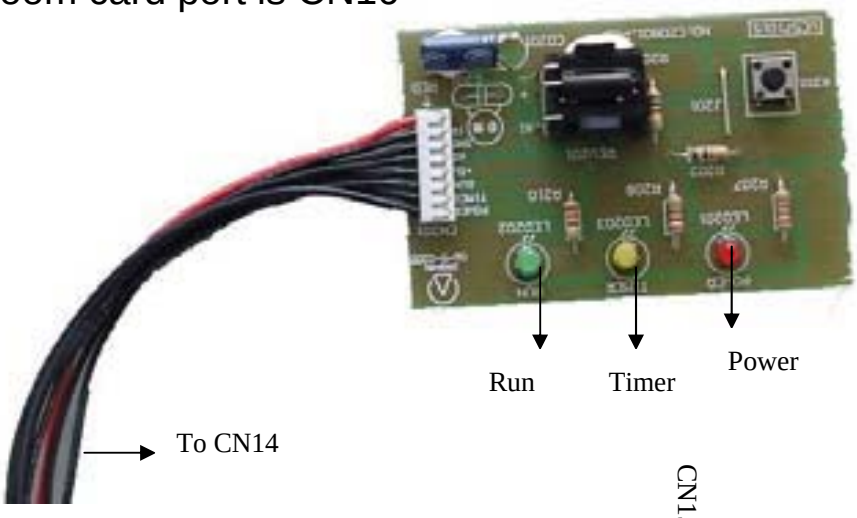
AC14-182XCERA wiring diagram



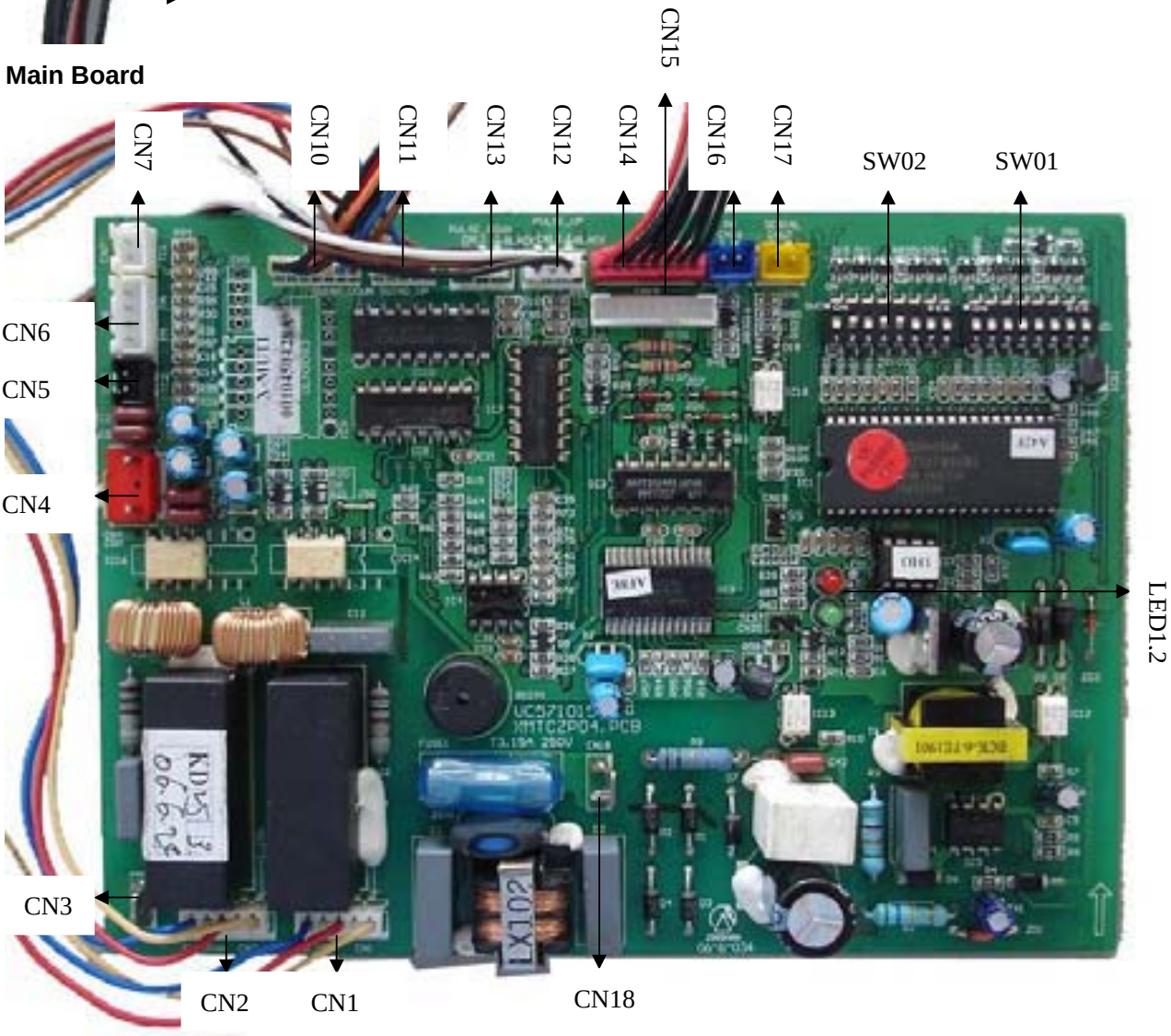
AF09-122XCERA

Remote controller receiver

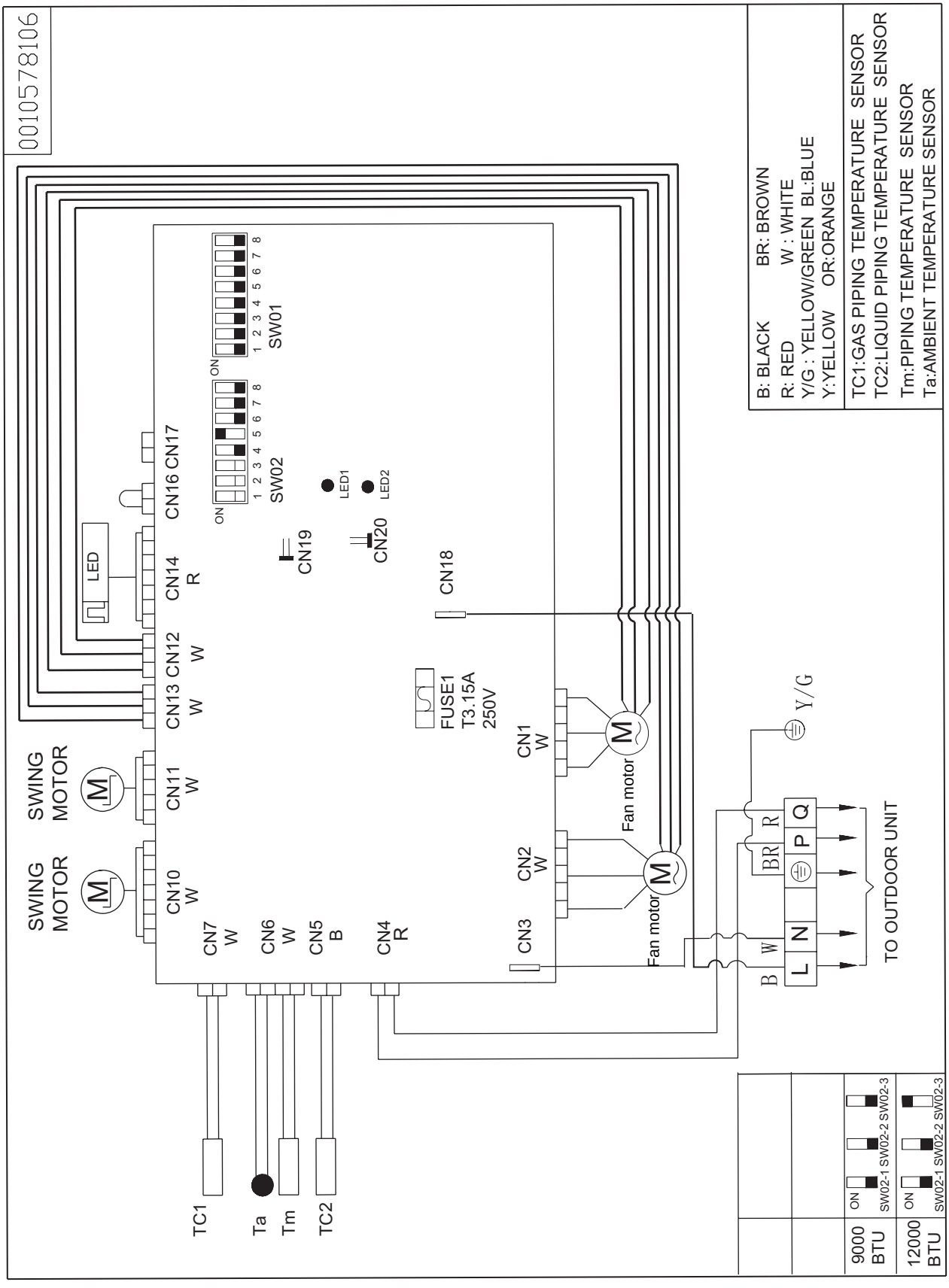
Room card port is CN16



Main Board

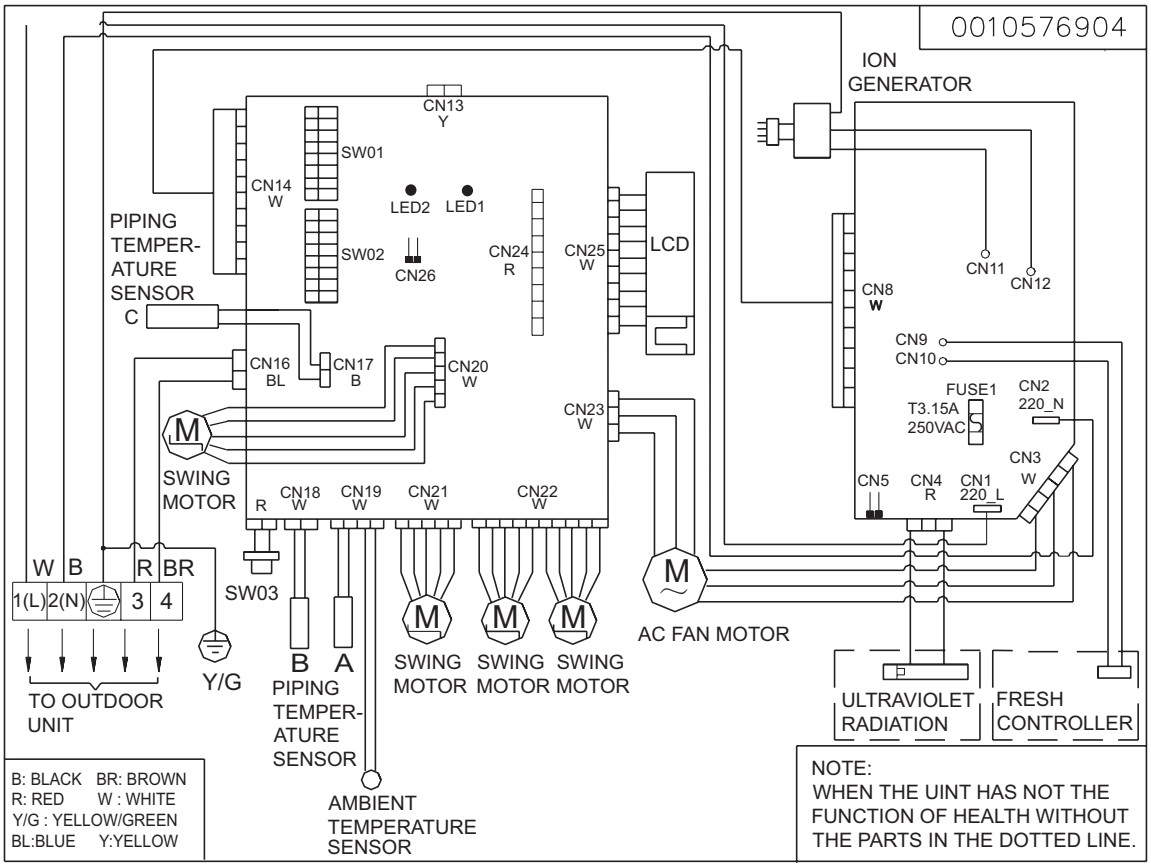


AF09-122XCERA

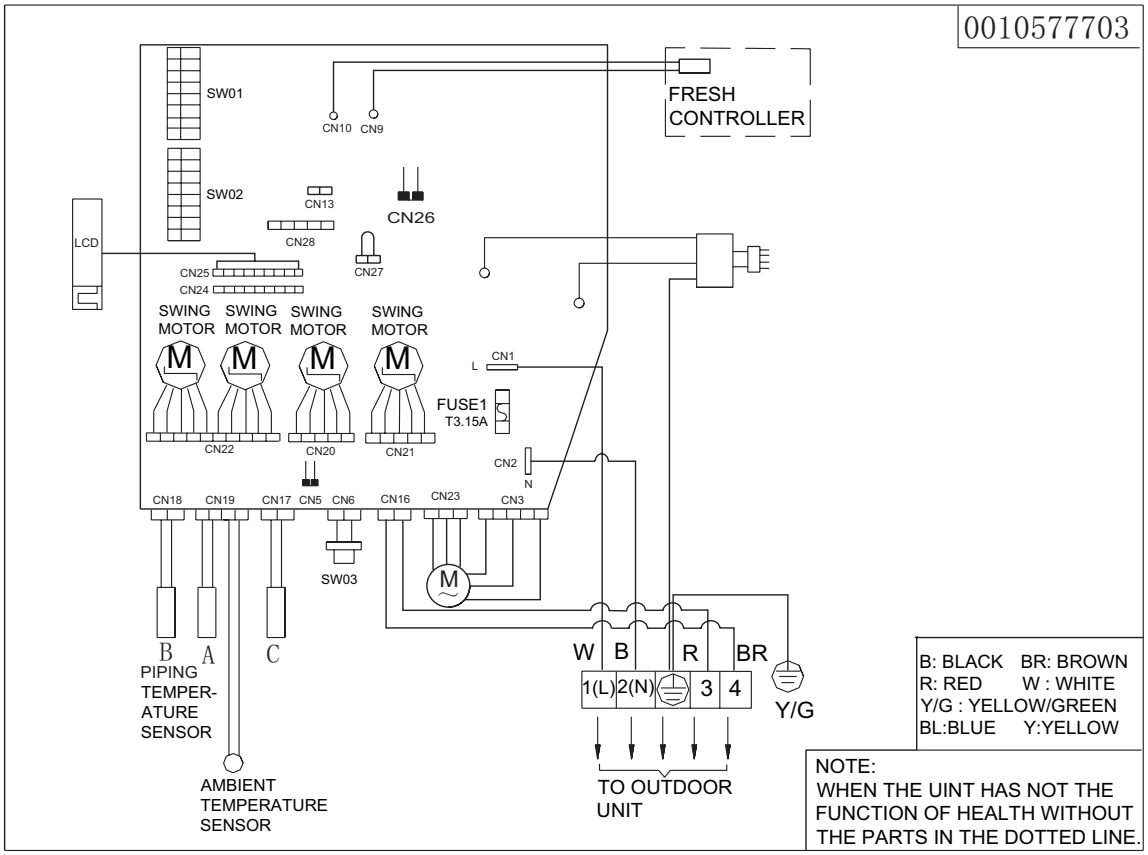


AS07-122XVERA

About AS07-122XVERA room card
please refer to the AS07-122XVERA explanation.

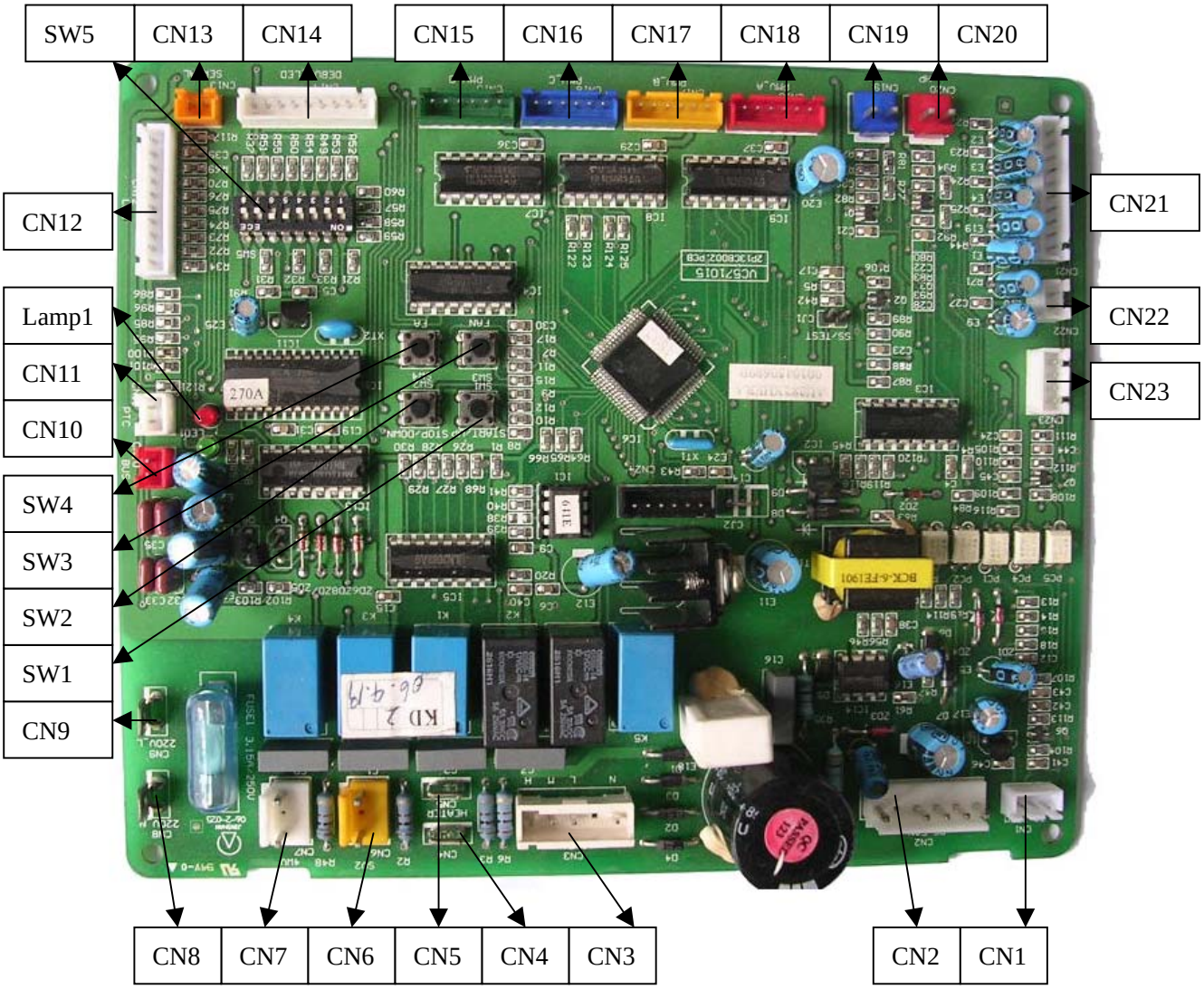


AS18/222XVERA Room card port is CN27



AU18/222XFERA AU282XHERA AU342XHERA

0010450689BE



AU252XGERA AU362XHERA

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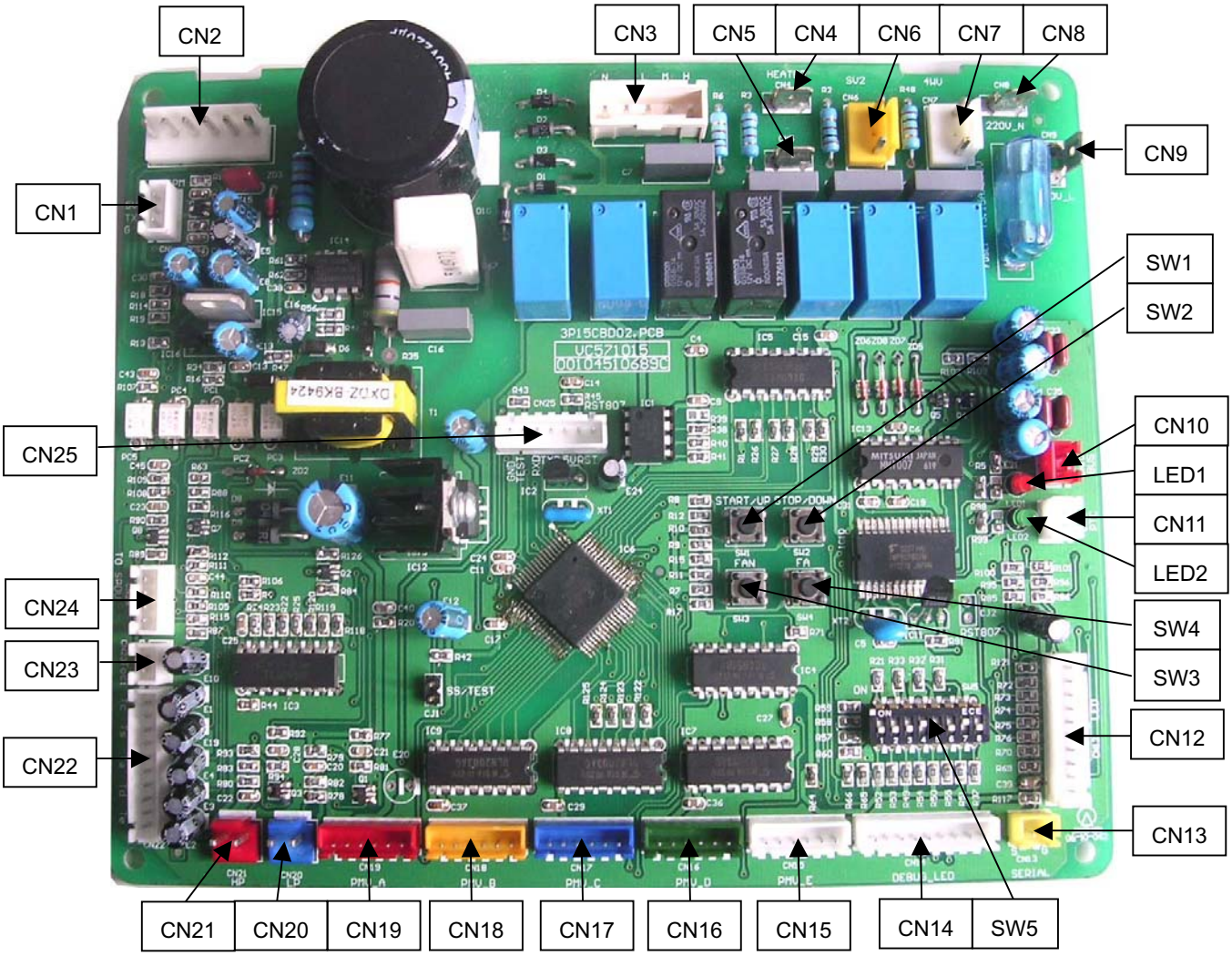
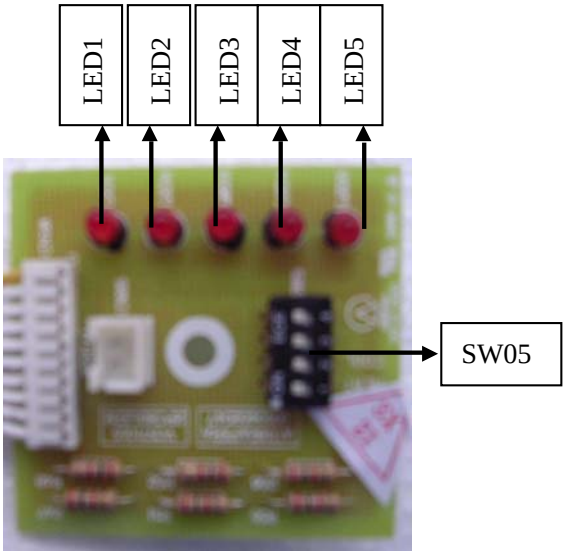
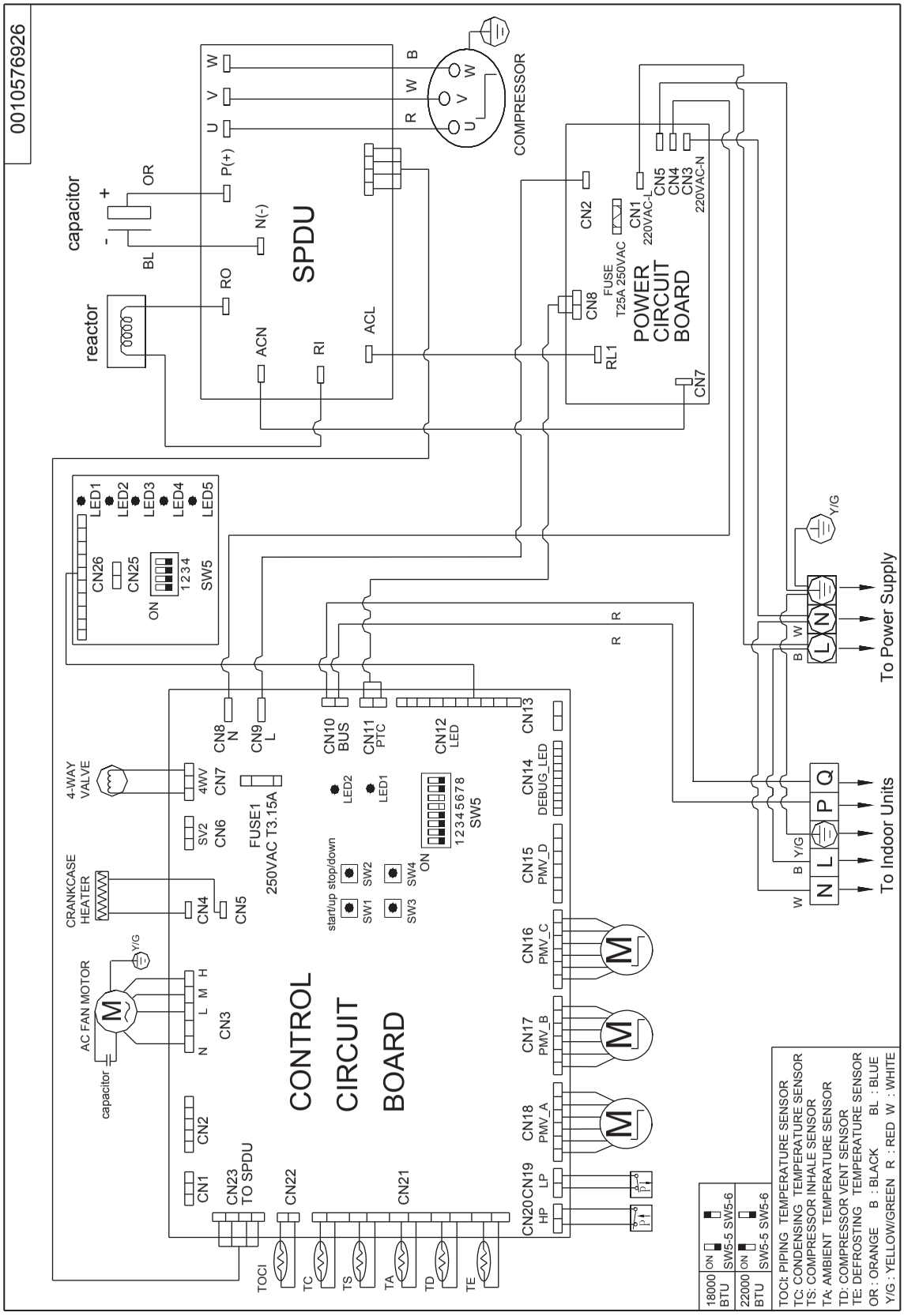


0010452047

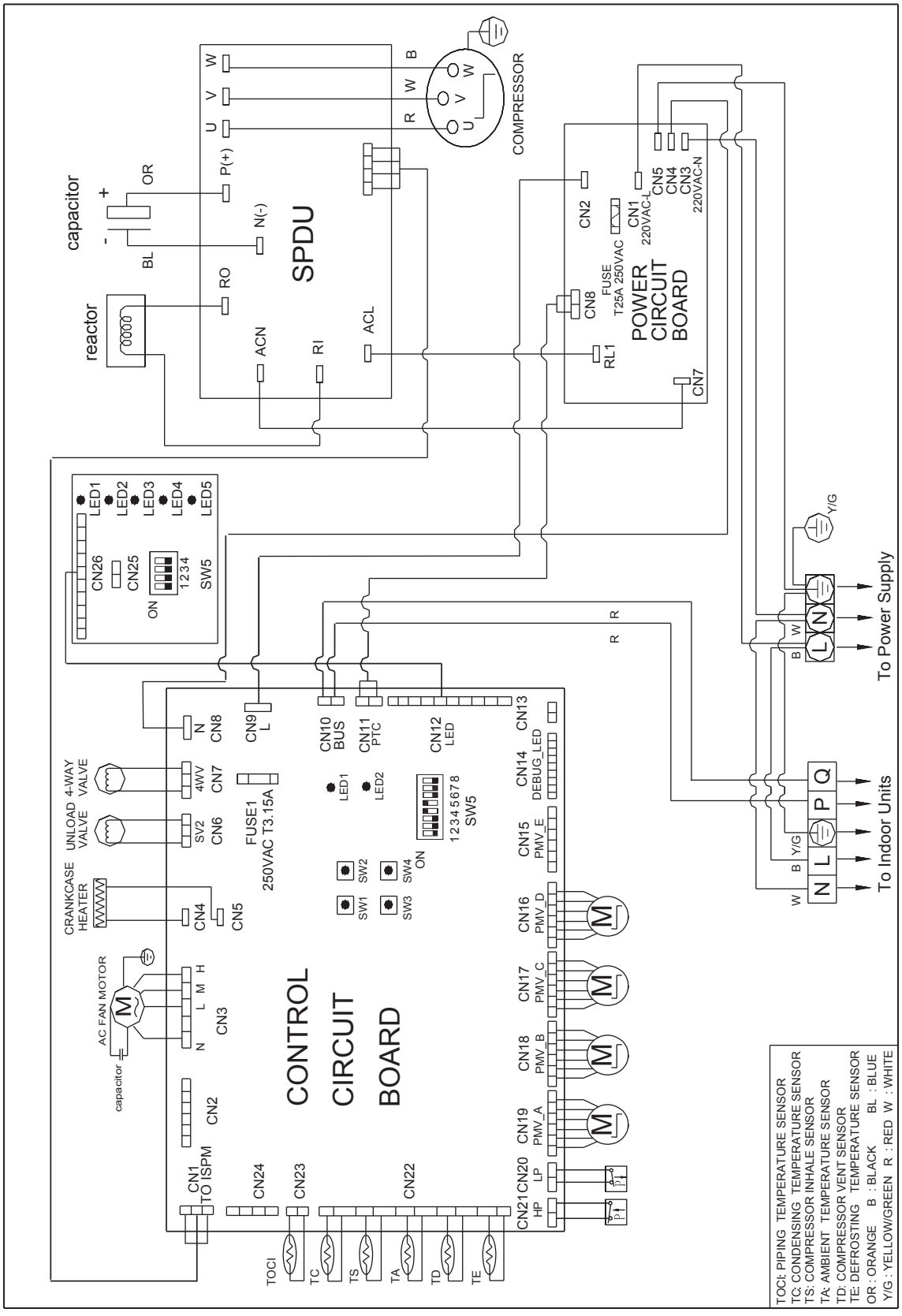


SW05 is used for factory quality control engineers, the default position is : OFF OFF OFF OFF

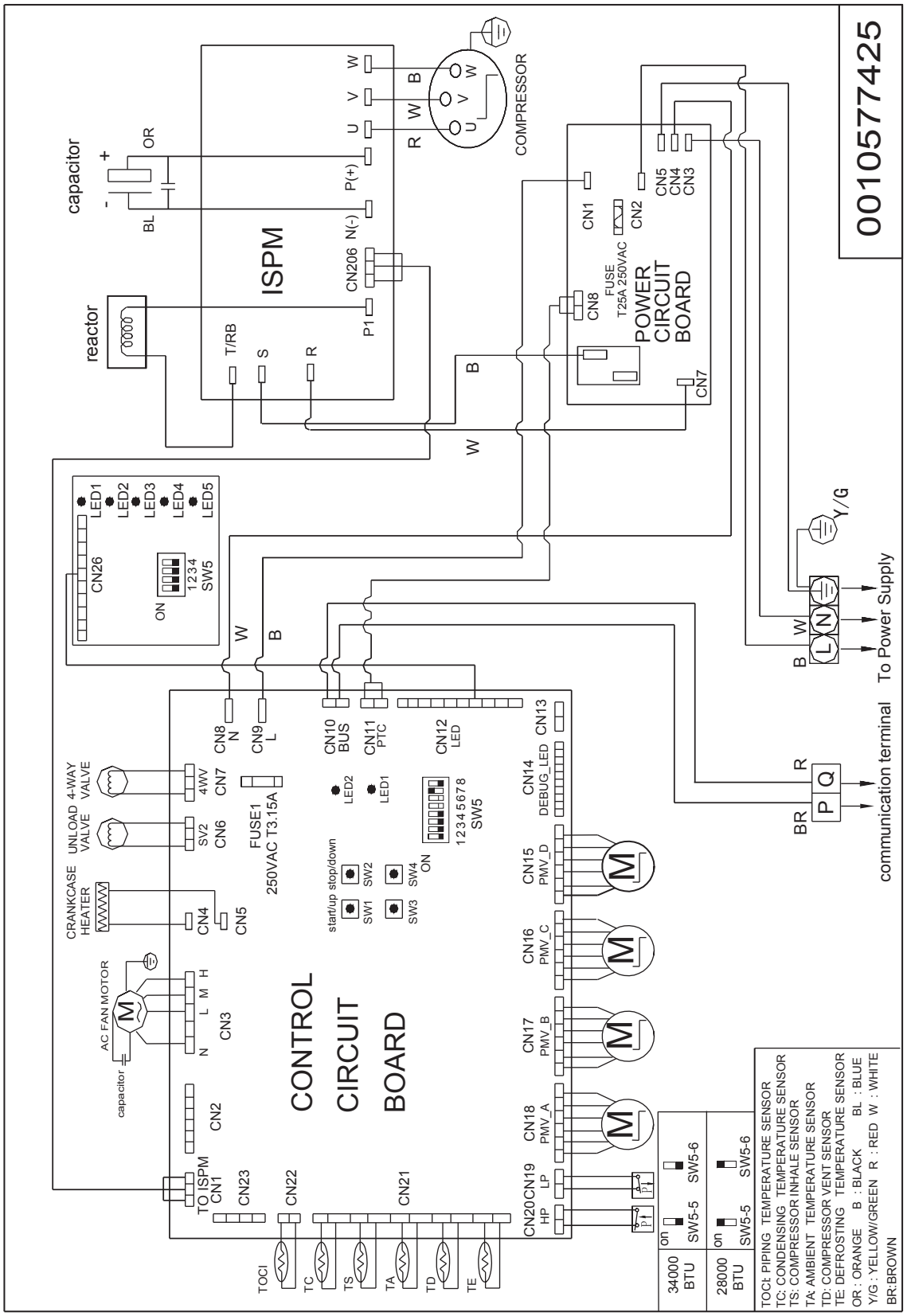
AU182\222XFERA



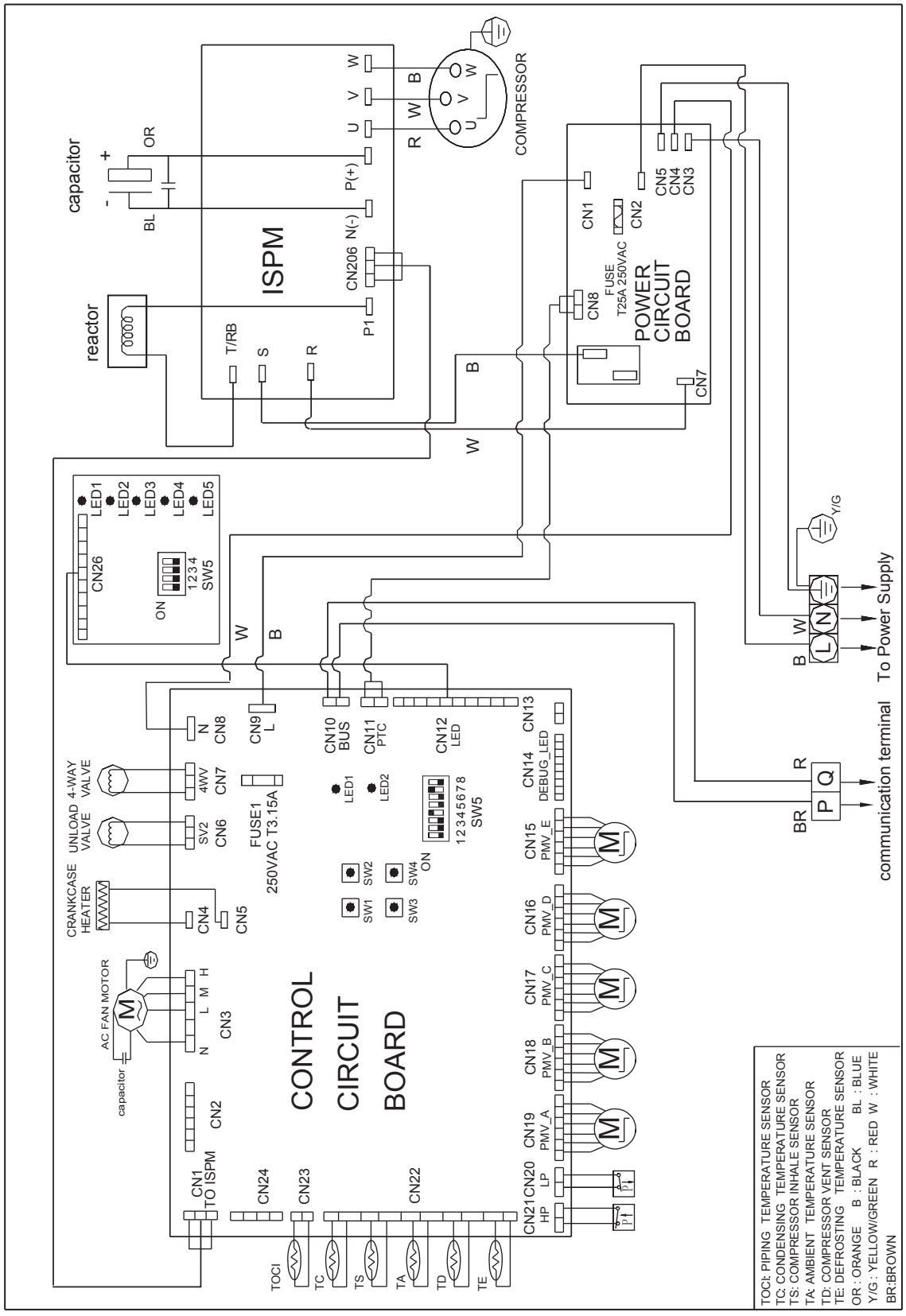
AU252XGERA


COMPRESSOR
SPDU
capacitor
reactor
POWER CIRCUIT BOARD
CONTROL CIRCUIT BOARD
AC FAN MOTOR
CRANKCASE HEATER
UNLOAD VALVE
4-WAY VALVE
FUSE1 250VAC T3.15A
To Power Supply
To Indoor Units
TOCI: PIPING TEMPERATURE SENSOR
TC: CONDENSING TEMPERATURE SENSOR
TS: COMPRESSOR INHALE SENSOR
TA: AMBIENT TEMPERATURE SENSOR
TD: COMPRESSOR VENT SENSOR
TE: DEFROSTING TEMPERATURE SENSOR
OR : ORANGE B : BLACK BL : BLUE
Y/G : YELLOW/GREEN R : RED W : WHITE

AU282XHERA,AU342XHERA



AU362XHERA


capacitor
reactor
ISPM
POWER CIRCUIT BOARD
COMPRESSOR
CONTROL CIRCUIT BOARD
AC FAN MOTOR
CRANKCASE HEATER
UNLOAD VALVE
4-WAY VALVE
FUSE1 250VAC T3.15A
communication terminal
To Power Supply
TOCI: PIPING TEMPERATURE SENSOR
TC: CONDENSING TEMPERATURE SENSOR
TS: COMPRESSOR INHALE SENSOR
TA: AMBIENT TEMPERATURE SENSOR
TD: COMPRESSOR VENT SENSOR
TE: DEFROSTING TEMPERATURE SENSOR
OR : ORANGE B : BLACK BL : BLUE
Y/G : YELLOW/GREEN R : RED W : WHITE
BR:BROWN

AU18/222XFERA AU28/342XHERA

<table>
<tr><th>No</th><th>Item</th></tr>
<tr><td>A8</td><td>Set in factory</td></tr>
<tr><td rowspan="2">C1</td><td>Switch function: SW5-1---outdoor fan motor selection, ON: DC fan motor; OFF: AC fan motor</td></tr>
<tr><td>Switch function: SW5-2---defrosting data setting, ON=6degree, OFF＝8degree (set when out of factory).
For the place where is easy to frost, it is 6 degree; for the place hard to frost, it is 8 degree.</td></tr>
<tr><td>C2</td><td>Switch function: SW5-3，SW5-4---piping length selection, the set data is M when out of factory.
S（SW5-3=ON SW4=ON ） L（SW5-3=OFF SW4=ON）
M（SW5-3=OFF SW4=OFF）</td></tr>
<tr><td>C3</td><td>Switch function: SW5-5,SW5-6--outdoor horse power selection.

AU18 AU22 AU28 AU34
SW5-5 OFF ON ON OFF
SW5-6 ON OFF ON OFF</td></tr>
<tr><td>C4</td><td>Switch function: SW5-7，SW5-8：
SW5-7－ AU18/22 OFF. AU28/34 ON
SW5-8－silent operation function, ON---available, OFF---not available (set when out of factory) When it is ON, the max. fan speed is Class-6(DC fan motor)
the frequency is10Hz less than the max. running frequency(determined by the ambient temp.)</td></tr>
<tr><td>C8</td><td>Set in factory</td></tr>
</table>

AU252XGERA AU362XHERA

No	Item
A8	**Set in factory**
C1	Switch function: SW5-1---outdoor fan motor selection, ON: DC fan motor; OFF: AC fan motor
	Switch function: SW5-2---defrosting data setting, ON=6degree, OFF＝8degree (set when out of factory). For the place where is easy to frost, it is 6 degree; for the place hard to frost, it is 8 degree.
C2	Switch function: SW5-3 ON:operation current can not exceed 11A. Default:OFF
C3	Switch function: SW5-4,SW5-5,SW5-6--outdoor horse power selection. AU25 AU36 SW5-4 ON ON SW5-5 ON OFF SW5-6 OFF OFF
C4	Switch function: SW5-7，SW5-8： **SW5-7**— AU25 OFF. AU36 ON **SW5-8—silent operation function, ON---available, OFF---not available (set when out of factory)** When it is ON, the max. fan speed is Class-6(DC fan motor) the frequency is10Hz less than the max. running frequency(determined by the ambient temp.)
C8	**Set in factory**