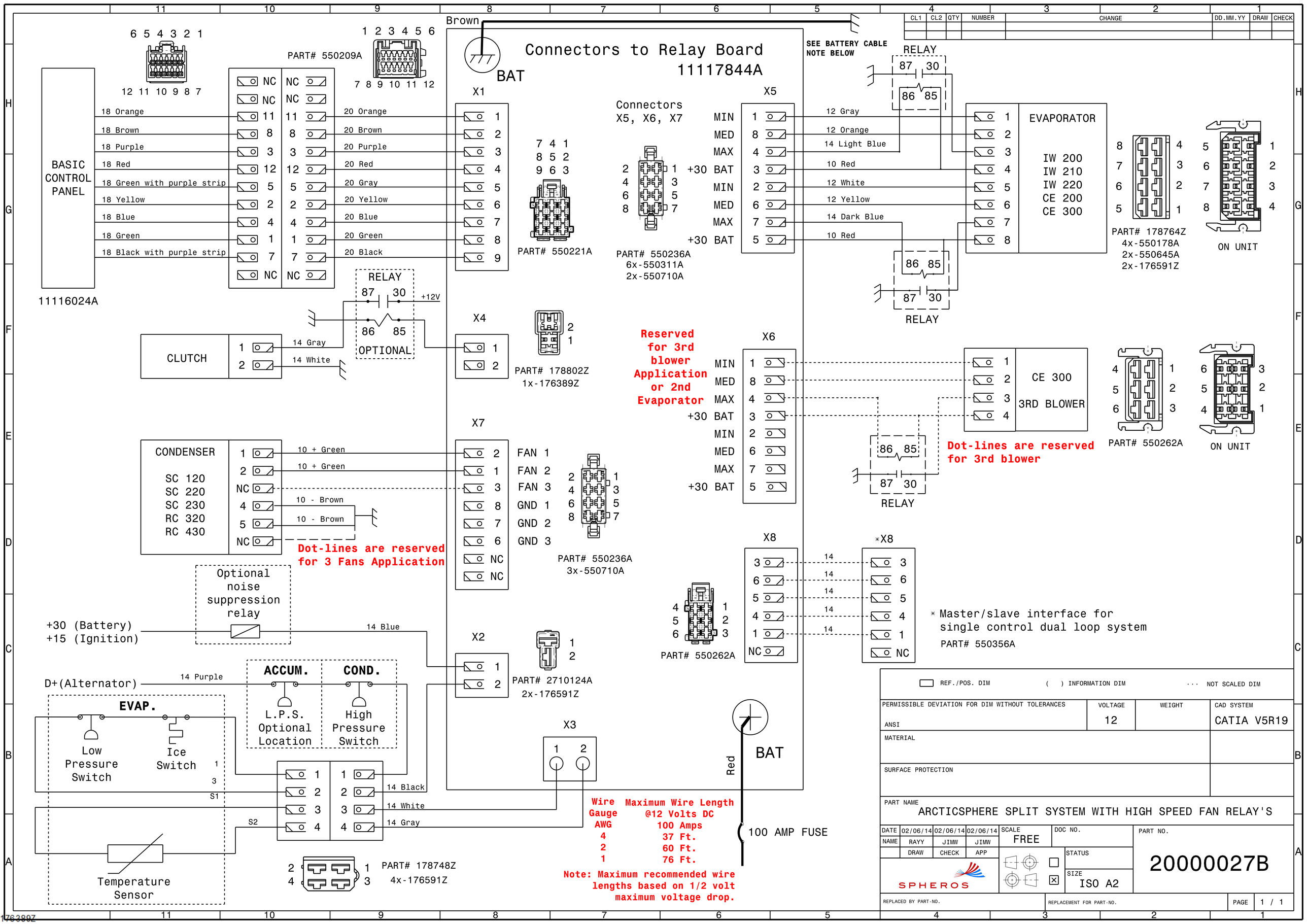

Connectors to Relay Board
11117844A
BAT
Brown
SEE BATTERY CABLE NOTE BELOW
BASIC CONTROL PANEL
11116024A
PART# 550209A
18 Orange
18 Brown
18 Purple
18 Red
18 Green with purple strip
18 Yellow
18 Blue
18 Green
18 Black with purple strip
20 Orange
20 Brown
20 Purple
20 Red
20 Gray
20 Yellow
20 Blue
20 Green
20 Black
X1
PART# 550221A
Connectors X5, X6, X7
PART# 550236A
6x-550311A
2x-550710A
X5
MIN
MED
MAX
+30 BAT
12 Gray
12 Orange
14 Light Blue
10 Red
12 White
12 Yellow
14 Dark Blue
10 Red
RELAY
EVAPORATOR
IW 200
IW 210
IW 220
CE 200
CE 300
PART# 178764Z
4x-550178A
2x-550645A
2x-176591Z
ON UNIT
RELAY
OPTIONAL
+12V
CLUTCH
14 Gray
14 White
X4
PART# 178802Z
1x-176389Z
Reserved for 3rd blower Application or 2nd Evaporator
X6
CE 300
3RD BLOWER
PART# 550262A
ON UNIT
Dot-lines are reserved for 3rd blower
CONDENSER
SC 120
SC 220
SC 230
RC 320
RC 430
10 + Green
10 - Brown
Dot-lines are reserved for 3 Fans Application
X7
FAN 1
FAN 2
FAN 3
GND 1
GND 2
GND 3
PART# 550236A
3x-550710A
X8
*X8
PART# 550262A
* Master/slave interface for single control dual loop system
PART# 550356A
Optional noise suppression relay
+30 (Battery)
+15 (Ignition)
14 Blue
X2
PART# 2710124A
2x-176591Z
D+(Alternator)
14 Purple
ACCUM.
COND.
L.P.S. Optional Location
High Pressure Switch
EVAP.
Low Pressure Switch
Ice Switch
S1
S2
14 Black
14 White
14 Gray
Temperature Sensor
PART# 178748Z
4x-176591Z
X3
Red
BAT
100 AMP FUSE
Wire Gauge AWG
Maximum Wire Length @12 Volts DC
100 Amps
4 37 Ft.
2 60 Ft.
1 76 Ft.
Note: Maximum recommended wire lengths based on 1/2 volt maximum voltage drop.
REF./POS. DIM
( ) INFORMATION DIM
NOT SCALED DIM
PERMISSIBLE DEVIATION FOR DIM WITHOUT TOLERANCES
ANSI
VOLTAGE 12
WEIGHT
CAD SYSTEM CATIA V5R19
MATERIAL
SURFACE PROTECTION
PART NAME ARCTICSPHERE SPLIT SYSTEM WITH HIGH SPEED FAN RELAY'S
DATE 02/06/14 02/06/14 02/06/14
NAME RAYY JIMW JIMW
DRAW CHECK APP
SCALE FREE
DOC NO.
STATUS
SIZE ISO A2
PART NO. 20000027B
SPHEROS
REPLACED BY PART-NO.
REPLACEMENT FOR PART-NO.
PAGE 1 / 1