DWG. NO.

1 2 3 4 5 6 7

A B C D E

R41 100K R45 30K R42 100K R44 30K

REMOT

C18 100u/16V R3 4.7(1/4W) +15V

CP30 220U/16V R4 4.7(1/2W)

C17 100/16V

A GND

FET1 IRFP064N FET2 IRFP064N FET3 IRFP064N FET4 IRFP064N FET5 IRFP064N FET6 IRFP064N FET7 IRFP064N

QP1 C1027

PD1 43V(1W) PD2 1N4148

RP1 100(1/4W) RP2 100(1/4W) RP3 100(1/4W) RP4 100(1/4W) RP5 100(1/4W) RP6 100(1/4W) RP7 100(1/4W)

RG1 10K(1/4W)

A1023 QP2

QP4 C1027

RG2 10K(1/4W)

RP11 100(1/4W) RP12 100(1/4W) RP13 100(1/4W) RP14 100(1/4W) RP15 100(1/4W) RP16 100(1/4W) RP17 100(1/4W)

R5 4.7K R6 4.7K MJE172 QP3

IRFP064N FET8 IRFP064N FET9 IRFP064N FET11 IRFP064N FET12 IRFP064N FET13 IRFP064N FET14 IRFP064N FET15

PD3 1N4148 43V(1W) PD4

R12 33/2W C30 68N C31 68N R13 33/2W

FET10 IRFP064N FET16 IRFP064N FET17 IRFP064N FET18 IRFP064N FET19 IRFP064N FET20 IRFP064N FET21 IRFP064N

QP8 C1027

PD5 43V(1W) PD6 1N4148

RP10 100(1/4W) RP21 100(1/4W) RP20 100(1/4W) RP22 100(1/4W) RP23 100(1/4W) RP36 100(1/4W) RP35 100(1/4W)

RG3 10K(1/4W)

A1023 QP9

QP5 C1027

RG4 10K(1/4W)

RP26 100(1/4W) RP27 100(1/4W) RP28 100(1/4W) RP25 100(1/4W) RP24 100(1/4W) RP29 100(1/4W) RP32 100(1/4W)

R20 4.7K R21 4.7K A1023 QP7

IRFP064N FET22 IRFP064N FET23 IRFP064N FET24 IRFP064N FET25 IRFP064N FET26 IRFP064N FET27 IRFP064N FET28

PD7 1N4148 43V(1W) PD8

R34 33/2W C34 68N C36 68N R35 33/2W

TRANCE1

R14 33(1W) C33 1n/1KV

DP1 FMU36R DP2 FMU36R DP3 FMU36S DP4 FMU36S

CP1 CP2 CP3 CP4 CP9 1200u/160v

CP28

CP5 CP6 CP7 CP8 1200u/160v

R30 22k(3W) R31 22k(3w)

+VCC -VEE

Q1 KTB631K Q2 C3198

R22 3.3K R25 30k R24 4.7K R27 10(1/4) R23 2.2K C13 4.7u/50V

REMOTE-B+

A GND

+12V_S

R2 10K QP6 D600 0.1u C9 R1 4.7(1/2W) CP12 220u/16V CN1 CN2

A GND

J202 REMOTE-B+ OUT-1 OUT-2 OUT-3 150K(1/4w) RA22 VCC

D1 1N4148 47 R32 FET31 FQP50N06

A1023 QP10 A1023 R28 2K R52 2K R53 2K

A GND

A1023 QP11 B R29 2K 47 R33 FET30 FQP50N06

1N4148 D2

LED2 RED

RX8 3.9K

(PROTECTION)

TRANCE3

R15 10/1W C32 47n R50 12K

+15V +12V

DD1 FR104(1W) DD2 FR104(1W) DD3 FR104(1W) DD4 FR104(1W)

CP26 220U/35V CP27 220U/35V

R16 10/1W R17 10/1W

CP31 470U/16V CP32 470U/16V CP15 0.1u CP16 0.1u ZD3 15V ZD4 15V

-12V -VEE

+24VEE +18VEE +15VEE

DP10 UF5404 UF5404 DP11

R18 330/1W R19 680(1/4W)

CP33 220U/35V CP34 220U/35V

ZD1 18V ZD2 15V

C10 0.1u C15 220U/25V C11 0.1u

D7 1N4148 R9 1K R10 560K R26 10K Q5 C3198 DP5 1N4002(1W)

Q4 C3198 R7 10K R8 2.2K R36 10K C14 100U/16V C70 0.1U Q3 D600

KSP2907A Q50

10u/16V C22

A GND

R11 10(1/2W)

RY1 12V/20A RY2 12V/20A

RELAY OUT-4

TH1 NTC20K C37 0.1U(BOX) R70 1K(1/4W) C35 220n(BOX)

(PLANE GND)

1N5401 DP9 DP8 DP7 DP6

CP37 CP36 CP35 CP25 3300u/25V x 15 CP24 CP23 CP22 CP21 CP20 CP19 CP18 CP17 CP14 CP13 CP11 CP42 220n(BOX)

(GROUND)

J101

U6 2.54(18P)

THMS OCPT SPT REPT +12VB REMOTE PFLED OPEN MUTE +V -V +V-1 -V-1 VOFB-1 VMIN-1

LED1 GREEN

RX6 2K

POWER ON/OFF

SCHEMATIC DIAGRAM			
POWER SUPPLY - SECTION			
MODEL:	XXX 6500		
DATE:	4-08-2005	REV.	A