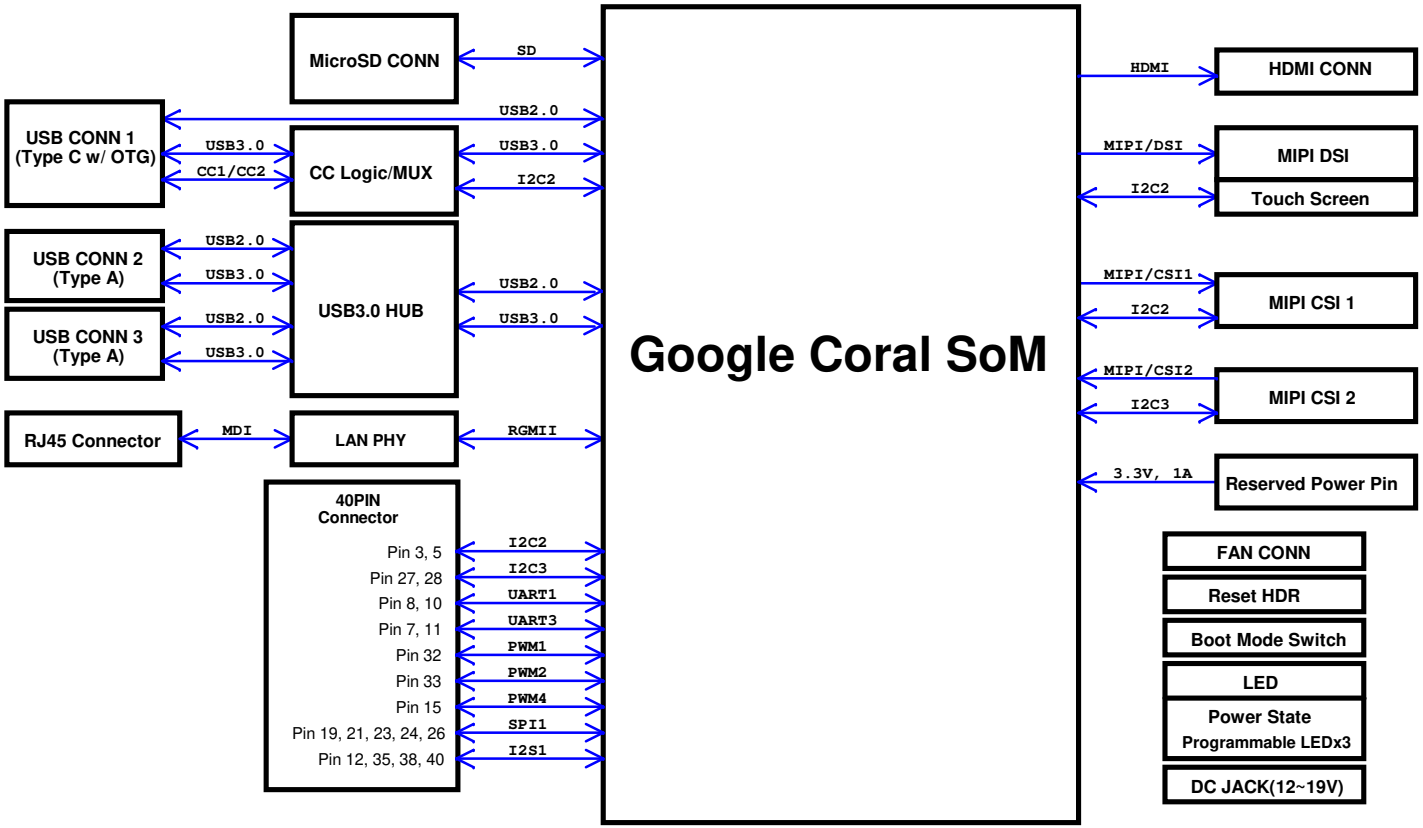
Tinker Edge T Block Diagram



ASUSTeK COMPUTER INC.

Title :

Engineer:

Size	Project Name	Rev
A2	Tinker Edge T	R1.01

Date: Sheet of

I2C	Component	Address(7-bit)	Where
I2C2	MIPI CSI 1		Carrier
	MIPI DSI		Carrier
	IT5201	1100 111(0x67)	Carrier
	40 pin CONN (Pin 3, 5)		Carrier
	Clock	1101 000(0x68)	SOM
I2C3	MIPI CSI 2		Carrier
	40 pin CONN (Pin 27, 28)		Carrier

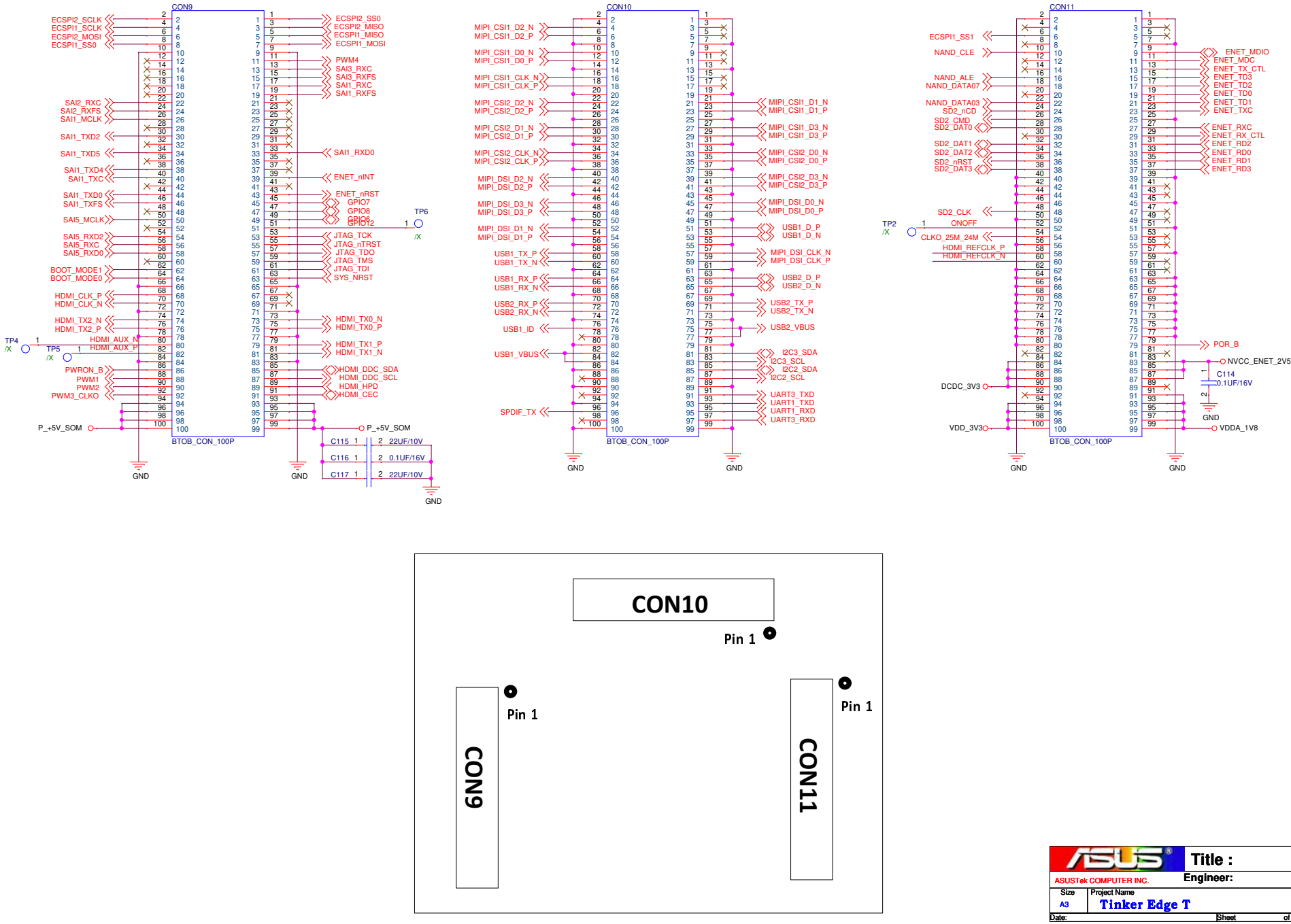
ASUSTek COMPUTER INC.

Title :

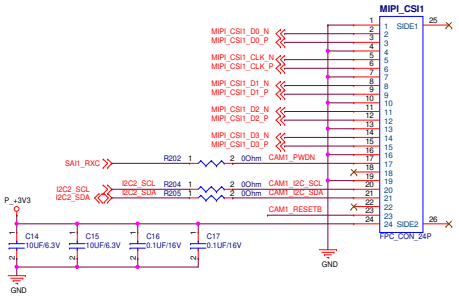
Engineer:

Size	Project Name	Rev
A3	Tinker Edge T	R1.01

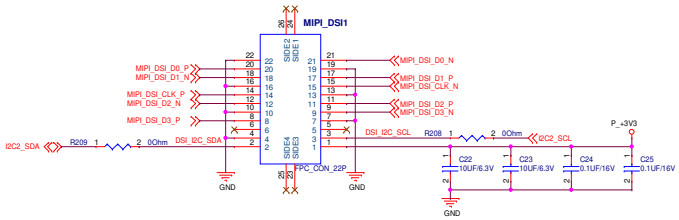
Date: Sheet of


CON9
ECSPI2_SCLK
ECSPI1_SCLK
ECSPI2_MOSI
ECSPI1_SS0
ECSPI2_SS0
ECSPI2_MISO
ECSPI1_MISO
ECSPI1_MOSI
PWM4
SAI3_RXC
SAI3_RXFS
SAI1_RXC
SAI1_RXFS
SAI2_RXC
SAI2_RXFS
SAI1_MCLK
SAI1_TXD2
SAI1_TXD5
SAI1_RXD0
SAI1_TXD4
SAI1_TXC
ENET_nINT
SAI1_TXD0
SAI1_TXFS
ENET_nRST
GPIO7
GPIO8
GPIO6
GPIO12
SAI5_MCLK
TP6
/X
SAI5_RXD2
SAI5_RXC
SAI5_RXD0
JTAG_TCK
JTAG_nTRST
JTAG_TDO
JTAG_TMS
JTAG_TDI
SYS_NRST
BOOT_MODE1
BOOT_MODE0
HDMI_CLK_P
HDMI_CLK_N
HDMI_TX2_N
HDMI_TX2_P
HDMI_TX0_N
HDMI_TX0_P
TP4
/X
TP5
/X
HDMI_AUX_N
HDMI_AUX_P
HDMI_TX1_P
HDMI_TX1_N
PWRON_B
PWM1
PWM2
PWM3_CLKO
HDMI_DDC_SDA
HDMI_DDC_SCL
HDMI_HPD
HDMI_CEC
P_+5V_SOM
P_+5V_SOM
C115 1 2 22UF/10V
C116 1 2 0.1UF/16V
C117 1 2 22UF/10V
GND
GND
GND
BTOB_CON_100P
CON10
MIPI_CSI1_D2_N
MIPI_CSI1_D2_P
MIPI_CSI1_D0_N
MIPI_CSI1_D0_P
MIPI_CSI1_CLK_N
MIPI_CSI1_CLK_P
MIPI_CSI2_D2_N
MIPI_CSI2_D2_P
MIPI_CSI2_D1_N
MIPI_CSI2_D1_P
MIPI_CSI2_CLK_N
MIPI_CSI2_CLK_P
MIPI_DSI_D2_N
MIPI_DSI_D2_P
MIPI_DSI_D3_N
MIPI_DSI_D3_P
MIPI_DSI_D1_N
MIPI_DSI_D1_P
USB1_TX_P
USB1_TX_N
USB1_RX_P
USB1_RX_N
USB2_RX_P
USB2_RX_N
USB1_ID
USB1_VBUS
SPDIF_TX
MIPI_CSI1_D1_N
MIPI_CSI1_D1_P
MIPI_CSI1_D3_N
MIPI_CSI1_D3_P
MIPI_CSI2_D0_N
MIPI_CSI2_D0_P
MIPI_CSI2_D3_N
MIPI_CSI2_D3_P
MIPI_DSI_D0_N
MIPI_DSI_D0_P
USB1_D_P
USB1_D_N
MIPI_DSI_CLK_N
MIPI_DSI_CLK_P
USB2_D_P
USB2_D_N
USB2_TX_P
USB2_TX_N
USB2_VBUS
I2C3_SDA
I2C3_SCL
I2C2_SDA
I2C2_SCL
UART3_TXD
UART1_TXD
UART1_RXD
UART3_RXD
GND
GND
BTOB_CON_100P
CON11
ECSPI1_SS1
NAND_CLE
NAND_ALE
NAND_DATA07
NAND_DATA03
SD2_nCD
SD2_CMD
SD2_DAT0
SD2_DAT1
SD2_DAT2
SD2_nRST
SD2_DAT3
ENET_MDIO
ENET_MDC
ENET_TX_CTL
ENET_TD3
ENET_TD2
ENET_TD0
ENET_TD1
ENET_TXC
ENET_RXC
ENET_RX_CTL
ENET_RD2
ENET_RD0
ENET_RD1
ENET_RD3
SD2_CLK
TP2
/X
ONOFF
CLKO_25M_24M
HDMI_REFCLK_P
HDMI_REFCLK_N
POR_B
NVCC_ENET_2V5
C114
0.1UF/16V
DCDC_3V3
VDD_3V3
GND
GND
VDDA_1V8
GND
GND
BTOB_CON_100P
CON10
Pin 1
CON9
Pin 1
CON11
Pin 1
ASUSTek COMPUTER INC.
Title :
Engineer:
Size
A3
Project Name
Tinker Edge T
Rev
R1.01
Date:
Sheet
of

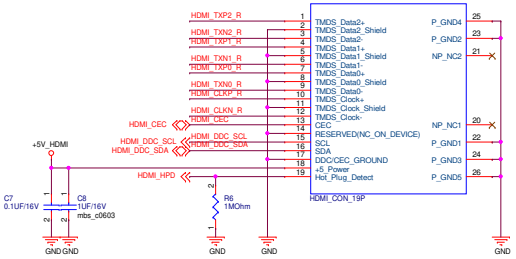
MIPI CSI1



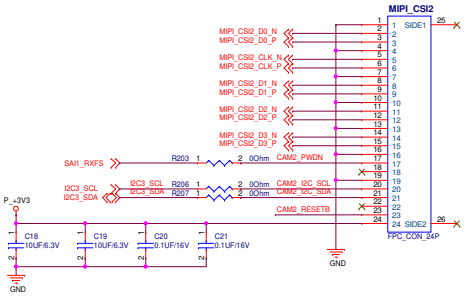
MIPI DSI



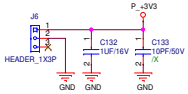
HDMI



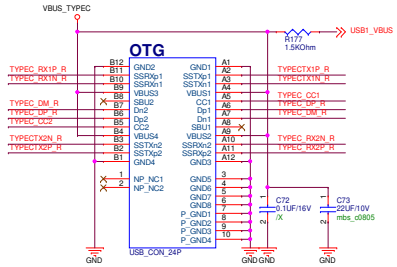
MIPI CSI2



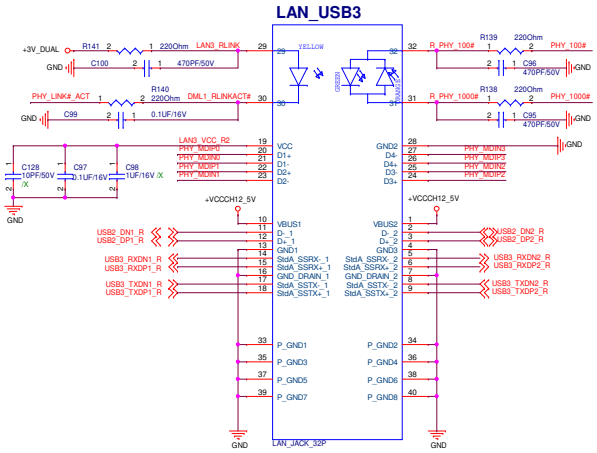
Reserved Power Pin



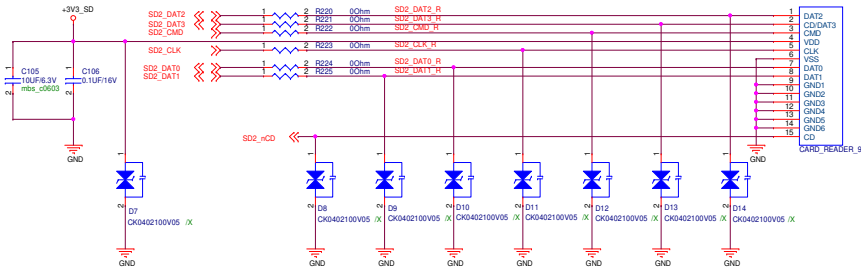
Type C connector



LAN+2 port USB3.0



SD_CARD



ASUSTeK COMPUTER INC.

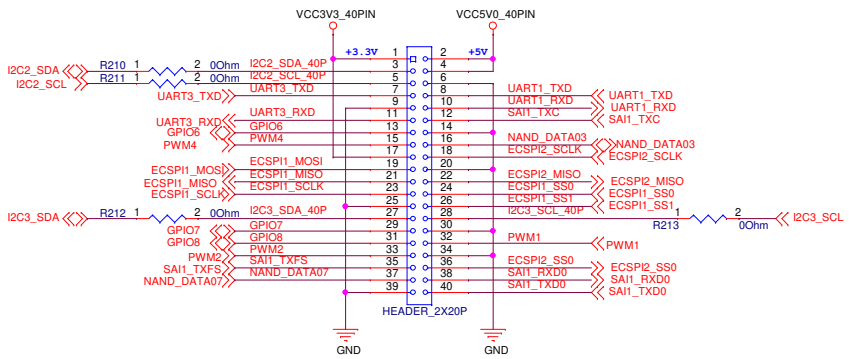
Title :

Engineer:

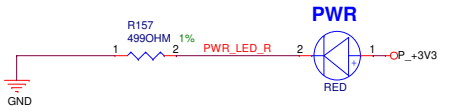
Size	Project Name	Rev
A2	Tinker Edge T	R1.01

Date: Sheet of

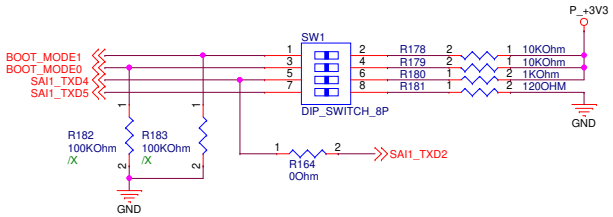
GPIO



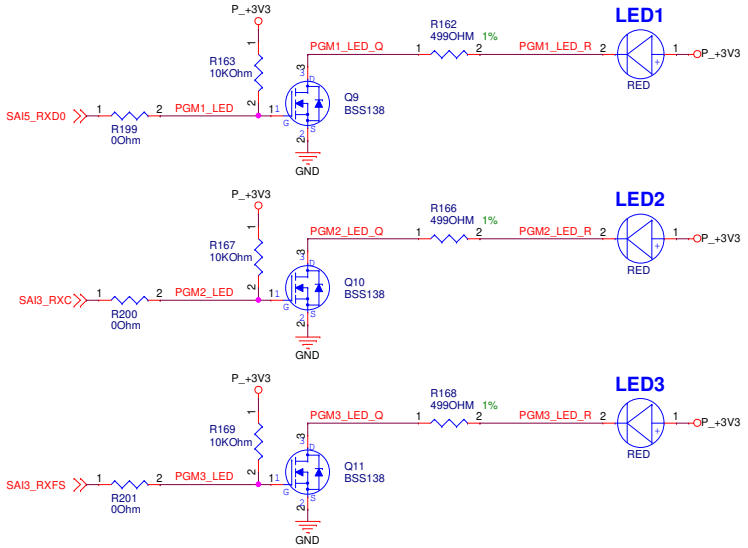
Power State LED



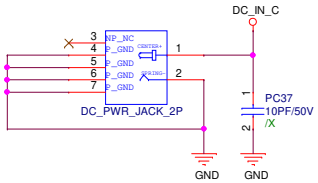
Switch



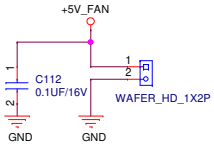
Programmable LED



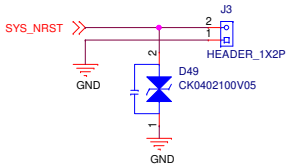
DC Input



FAN



RESET



ASUSTek COMPUTER INC.	Title :	
	Engineer:	
Size: A3	Project Name: Tinker Edge T	Rev: R1.01
Date:	Sheet of	