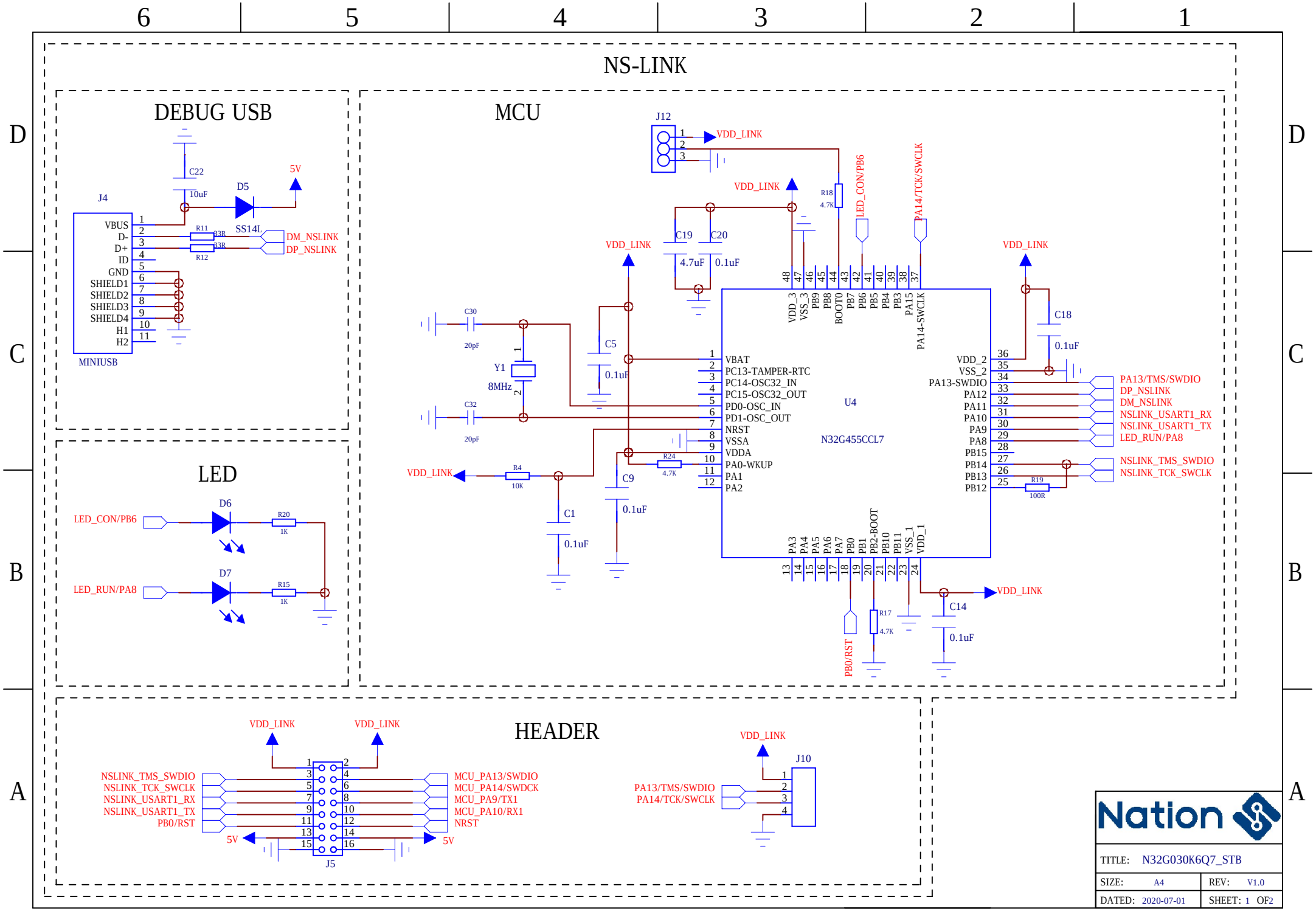
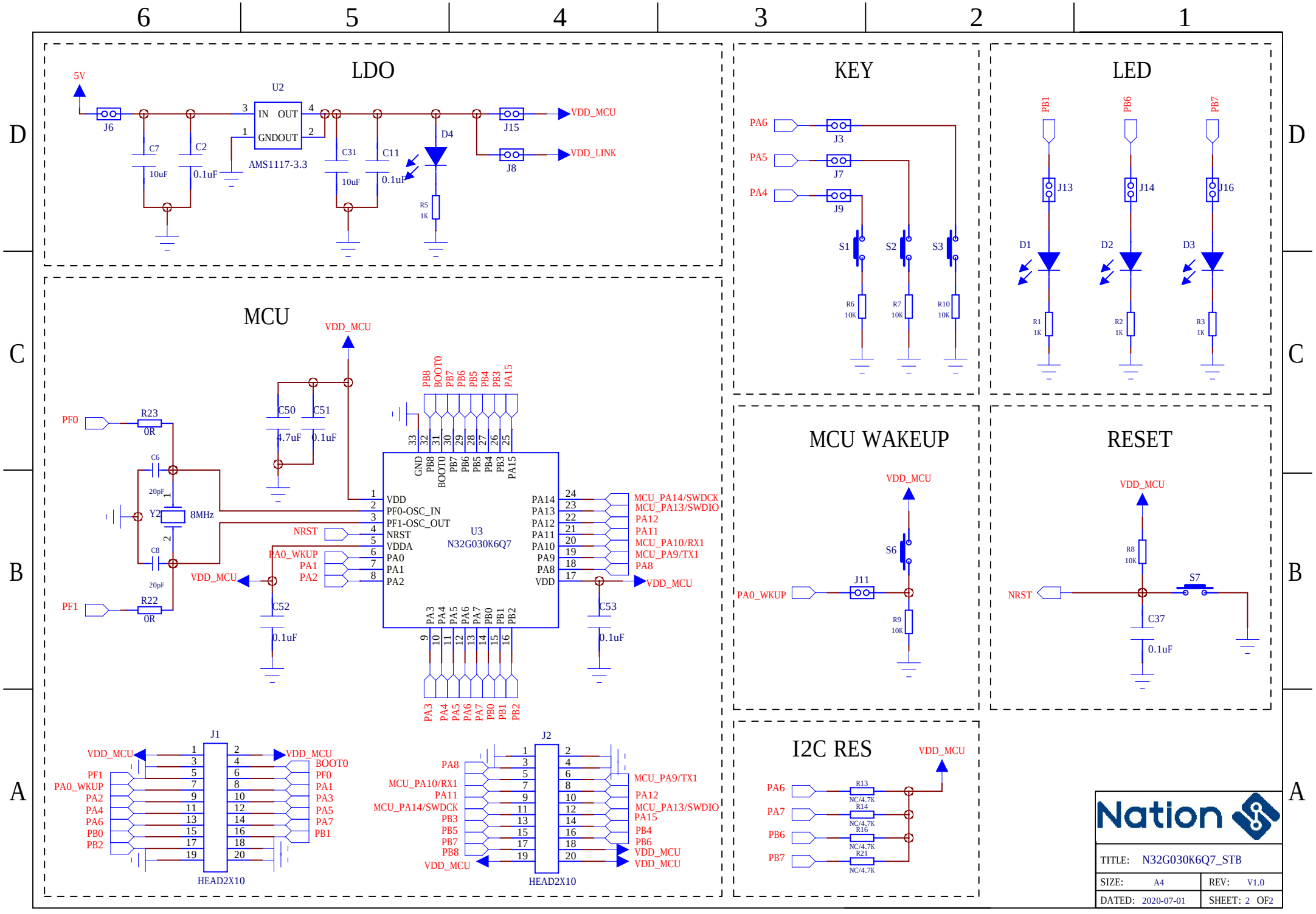

NS-LINK
DEBUG USB
J4
MINIUSB
VBUS
D-
D+
ID
GND
SHIELD1
SHIELD2
SHIELD3
SHIELD4
H1
H2
C22
10uF
D5
SS14L
5V
R11
R12
33R
DM_NSLINK
DP_NSLINK
MCU
J12
VDD_LINK
R18
4.7K
LED_CON/PB6
PA14/TCK/SWCLK
C19
C20
4.7uF
0.1uF
C30
20pF
C32
20pF
Y1
8MHz
C5
C1
C9
C18
C14
R4
10K
R24
4.7K
R17
4.7K
R19
100R
U4
N32G455CCL7
VBAT
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD0-OSC_IN
PD1-OSC_OUT
NRST
VSSA
VDDA
PA0-WKUP
PA1
PA2
VDD_3
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
PA14-SWCLK
VDD_2
VSS_2
PA13-SWDIO
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2-BOOT
PB10
PB11
VSS_1
VDD_1
PB0/RST
PA13/TMS/SWDIO
DP_NSLINK
DM_NSLINK
NSLINK_USART1_RX
NSLINK_USART1_TX
LED_RUN/PA8
NSLINK_TMS_SWDIO
NSLINK_TCK_SWCLK
LED
D6
D7
LED_CON/PB6
LED_RUN/PA8
R20
R15
1K
HEADER
J5
NSLINK_TMS_SWDIO
NSLINK_TCK_SWCLK
NSLINK_USART1_RX
NSLINK_USART1_TX
PB0/RST
MCU_PA13/SWDIO
MCU_PA14/SWDCK
MCU_PA9/TX1
MCU_PA10/RX1
NRST
J10
PA13/TMS/SWDIO
PA14/TCK/SWCLK
Nation
TITLE: N32G030K6Q7_STB
SIZE: A4
REV: V1.0
DATED: 2020-07-01
SHEET: 1 OF2


LDO
5V
J6
U2
IN OUT
GNDOUT
AMS1117-3.3
C7 10uF
C2 0.1uF
C31 10uF
C11 0.1uF
D4
R5 1K
J15
J8
VDD_MCU
VDD_LINK
KEY
PA6
PA5
PA4
J3
J7
J9
S1
S2
S3
R6 10K
R7 10K
R10 10K
LED
PB1
PB6
PB7
J13
J14
J16
D1
D2
D3
R1 1K
R2 1K
R3 1K
MCU
VDD_MCU
PF0
PF1
R23 0R
R22 0R
C6 20pF
C8 20pF
Y2 8MHz
C50 4.7uF
C51 0.1uF
C52 0.1uF
C53 0.1uF
NRST
PA0_WKUP
PA1
PA2
U3
N32G030K6Q7
VDD
PF0-OSC_IN
PF1-OSC_OUT
NRST
VDDA
PA0
PA1
PA2
PA14
PA13
PA12
PA11
PA10
PA9
PA8
VDD
MCU_PA14/SWDCK
MCU_PA13/SWDIO
PA12
PA11
MCU_PA10/RX1
MCU_PA9/TX1
PA8
PB8 BOOT0 PB7 PB6 PB5 PB4 PB3 PA15
PA3 PA4 PA5 PA6 PA7 PB0 PB1 PB2
J1
HEAD2X10
VDD_MCU
PF1
PA0_WKUP
PA2
PA4
PA6
PB0
PB2
BOOT0
PF0
PA1
PA3
PA5
PA7
PB1
J2
HEAD2X10
PA8
MCU_PA10/RX1
PA11
MCU_PA14/SWDCK
PB3
PB5
PB7
PB8
MCU_PA9/TX1
PA12
MCU_PA13/SWDIO
PA15
PB4
PB6
MCU WAKEUP
VDD_MCU
S6
J11
PA0_WKUP
R9 10K
RESET
VDD_MCU
R8 10K
S7
NRST
C37 0.1uF
I2C RES
VDD_MCU
PA6
PA7
PB6
PB7
R13 NC/4.7K
R14 NC/4.7K
R16 NC/4.7K
R21 NC/4.7K
Nation
TITLE: N32G030K6Q7_STB
SIZE: A4
REV: V1.0
DATED: 2020-07-01
SHEET: 2 OF2