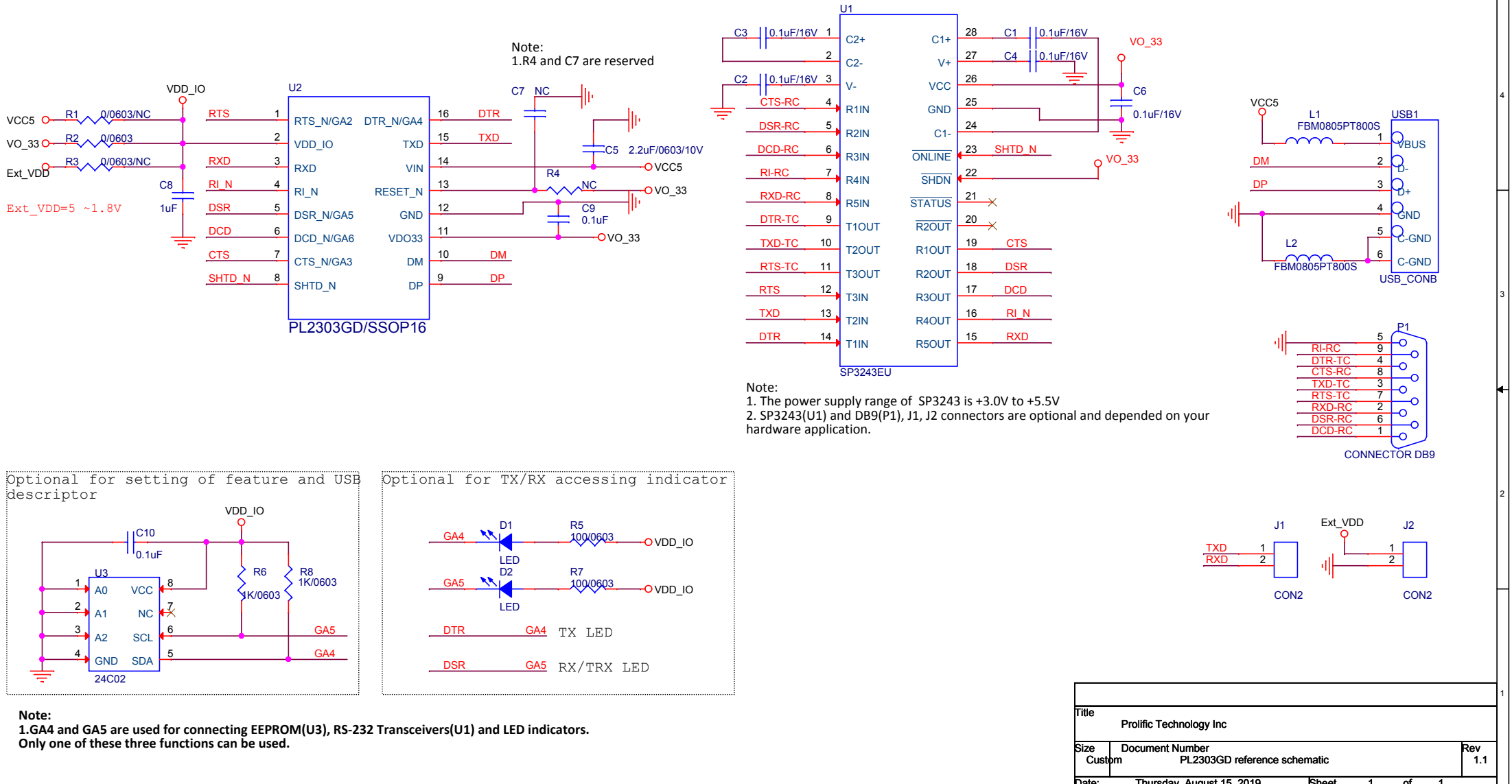
Note:
1.R4 and C7 are reserved
VDD_IO
U2
VCC5
VO_33
Ext_VDD
R1 0/0603/NC
R2 0/0603
R3 0/0603/NC
C8 1uF
Ext_VDD=5 ~1.8V
RTS_N/GA2
VDD_IO
RXD
RI_N
DSR_N/GA5
DCD_N/GA6
CTS_N/GA3
SHTD_N
DTR_N/GA4
TXD
VIN
RESET_N
GND
VDO33
DM
DP
C7 NC
C5 2.2uF/0603/10V
R4 NC
C9 0.1uF
PL2303GD/SSOP16
U1
C1 0.1uF/16V
C2 0.1uF/16V
C3 0.1uF/16V
C4 0.1uF/16V
C6 0.1uF/16V
C2+
C2-
V-
R1IN
R2IN
R3IN
R4IN
R5IN
T1OUT
T2OUT
T3OUT
T3IN
T2IN
T1IN
C1+
V+
VCC
GND
C1-
ONLINE
SHDN
STATUS
R2OUT
R1OUT
R2OUT
R3OUT
R4OUT
R5OUT
SHTD_N
CTS
DSR
DCD
RI_N
RXD
SP3243EU
Note:
1. The power supply range of SP3243 is +3.0V to +5.5V
2. SP3243(U1) and DB9(P1), J1, J2 connectors are optional and depended on your hardware application.
L1 FBM0805PT800S
L2 FBM0805PT800S
USB1
VBUS
D-
D+
GND
C-GND
USB_CONB
P1
RI-RC
DTR-TC
CTS-RC
TXD-TC
RTS-TC
RXD-RC
DSR-RC
DCD-RC
CONNECTOR DB9
Optional for setting of feature and USB descriptor
C10 0.1uF
U3
A0
A1
A2
GND
VCC
NC
SCL
SDA
24C02
R6 1K/0603
R8 1K/0603
Optional for TX/RX accessing indicator
D1
D2
LED
R5 100/0603
R7 100/0603
TX LED
RX/TRX LED
J1
J2
CON2
Note:
1.GA4 and GA5 are used for connecting EEPROM(U3), RS-232 Transceivers(U1) and LED indicators.
Only one of these three functions can be used.
Title
Prolific Technology Inc
Size
Custom
Document Number
PL2303GD reference schematic
Rev
1.1
Date:
Thursday, August 15, 2019
Sheet 1 of 1