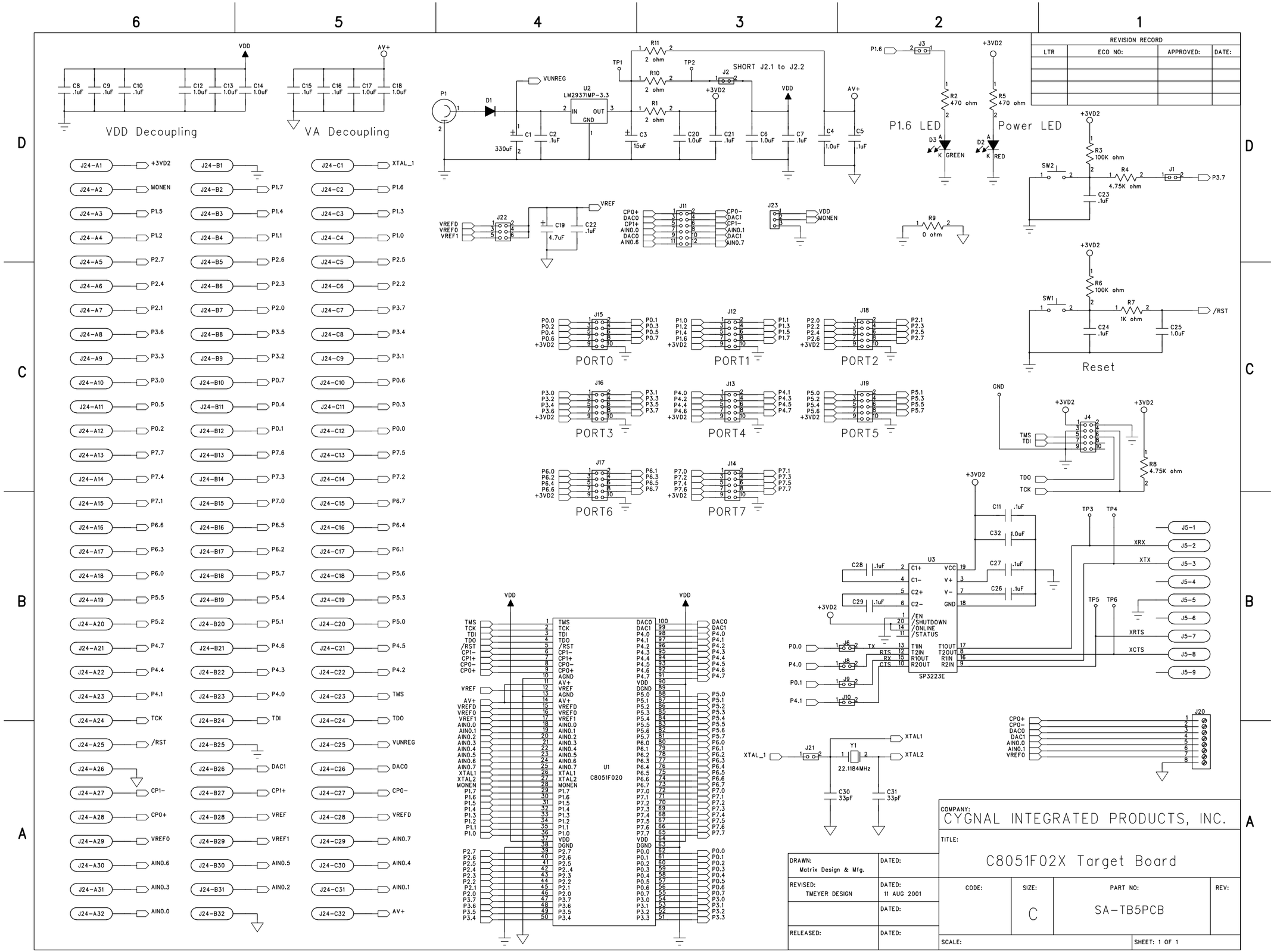
VDD Decoupling
VA Decoupling
C8 .1uF
C9 .1uF
C10 .1uF
C12 1.0uF
C13 1.0uF
C14 1.0uF
C15 .1uF
C16 .1uF
C17 1.0uF
C18 1.0uF
VUNREG
U2 LM2937IMP-3.3
IN
OUT
GND
D1
P1
C1 330uF
C2 .1uF
C3 15uF
C20 1.0uF
C21 .1uF
C6 1.0uF
C7 .1uF
C4 1.0uF
C5 .1uF
R11 2 ohm
R10 2 ohm
R1 2 ohm
TP1
TP2
J2
SHORT J2.1 to J2.2
+3VD2
VDD
AV+
P1.6
J3
R2 470 ohm
R5 470 ohm
P1.6 LED
Power LED
D3 GREEN
D2 RED
R9 0 ohm
R3 100K ohm
R4 4.75K ohm
SW2
J1
P3.7
C23 .1uF
R6 100K ohm
R7 1K ohm
SW1
/RST
C24 .1uF
C25 1.0uF
Reset
J22
VREFD
VREF0
VREF1
C19 4.7uF
C22 .1uF
VREF
J11
CP0+
DAC0
CP1+
AIN0.0
DAC0
AIN0.6
CP0-
DAC1
CP1-
AIN0.1
DAC1
AIN0.7
J23
MONEN
J15
J12
J18
J16
J13
J19
J17
J14
PORT0
PORT1
PORT2
PORT3
PORT4
PORT5
PORT6
PORT7
GND
J4
TMS
TDI
TDO
TCK
R8 4.75K ohm
C11 .1uF
C32 1.0uF
C28 .1uF
C27 .1uF
C29 .1uF
C26 .1uF
U3
C1+
C1-
C2+
C2-
VCC
V+
V-
GND
/EN
/SHUTDOWN
/ONLINE
/STATUS
T1IN
T2IN
R1OUT
R2OUT
T1OUT
T2OUT
R1IN
R2IN
SP3223E
TP3
TP4
TP5
TP6
XRX
XTX
XRTS
XCTS
J5-1
J5-2
J5-3
J5-4
J5-5
J5-6
J5-7
J5-8
J5-9
J6
J8
J9
J10
TX
RX
RTS
CTS
U1
C8051F020
J21
XTAL_1
Y1
22.1184MHz
XTAL1
XTAL2
C30 33pF
C31 33pF
J20
CP0+
CP0-
DAC0
DAC1
AIN0.0
AIN0.1
VREF0
REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
COMPANY:
CYGNAL INTEGRATED PRODUCTS, INC.
TITLE:
C8051F02X Target Board
DRAWN:
Matrix Design & Mfg.
DATED:
REVISED:
TMEYER DESIGN
DATED:
11 AUG 2001
DATED:
RELEASED:
DATED:
CODE:
SIZE:
C
PART NO:
SA-TB5PCB
REV:
SCALE:
SHEET: 1 OF 1