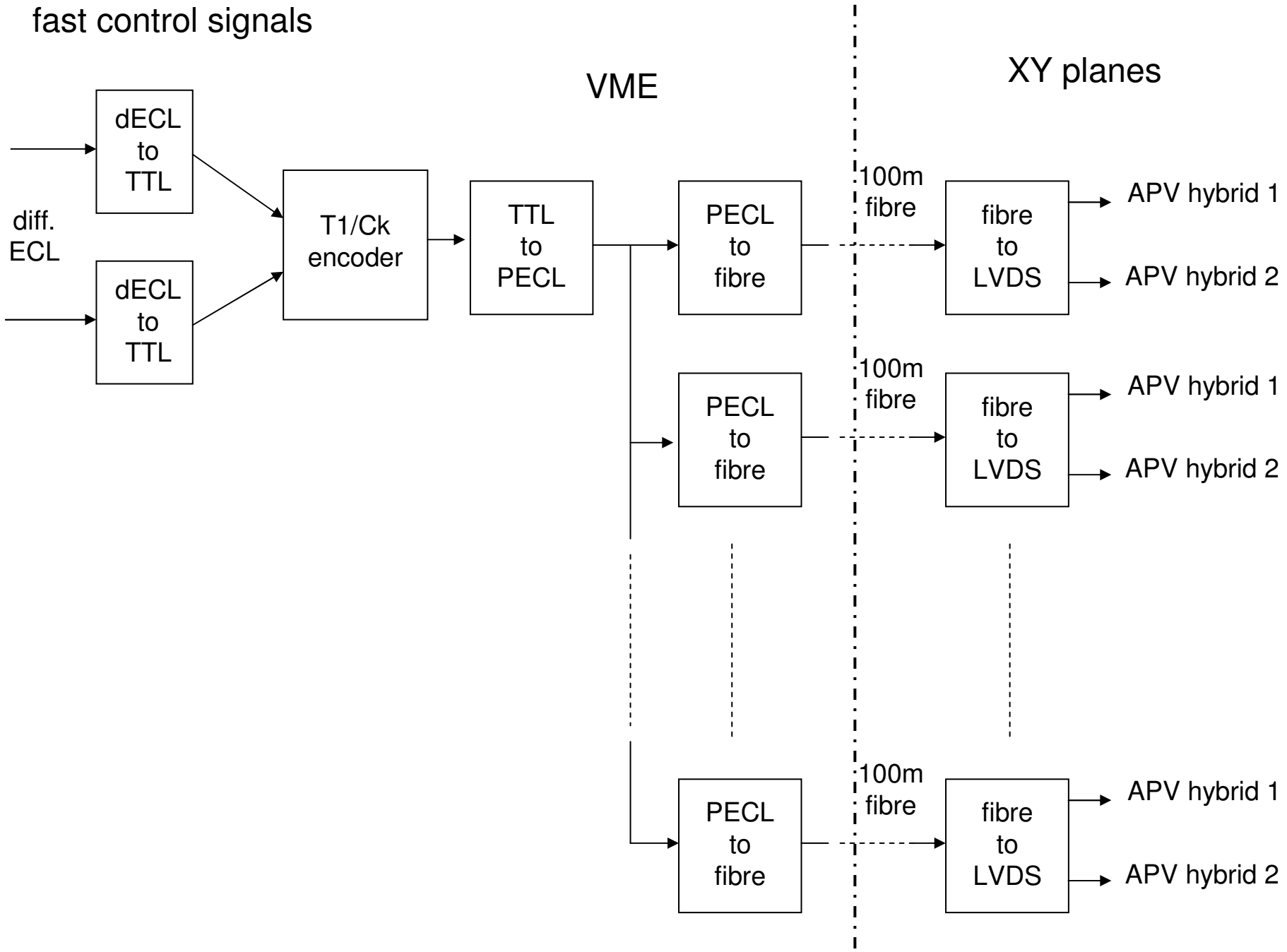
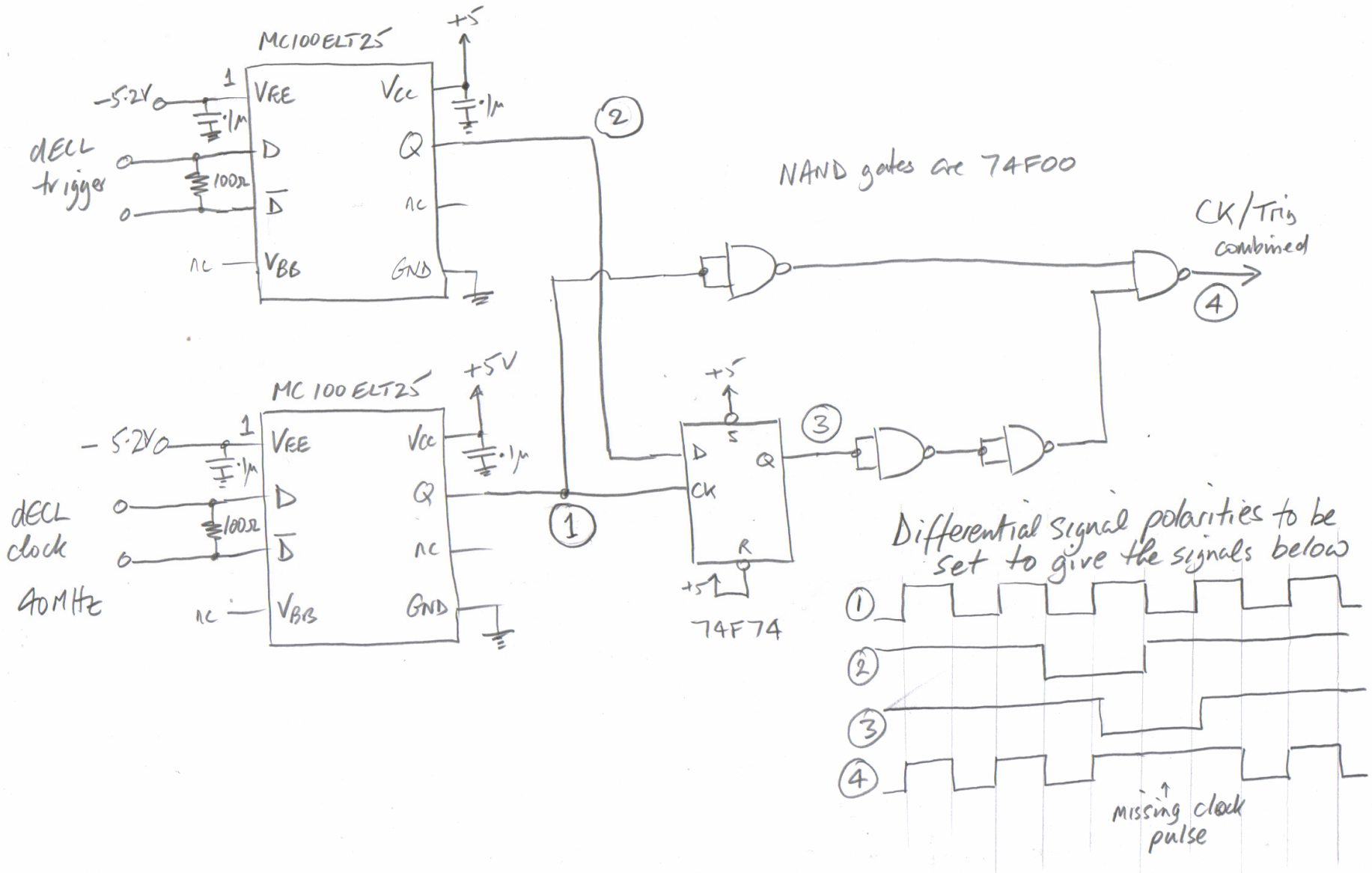
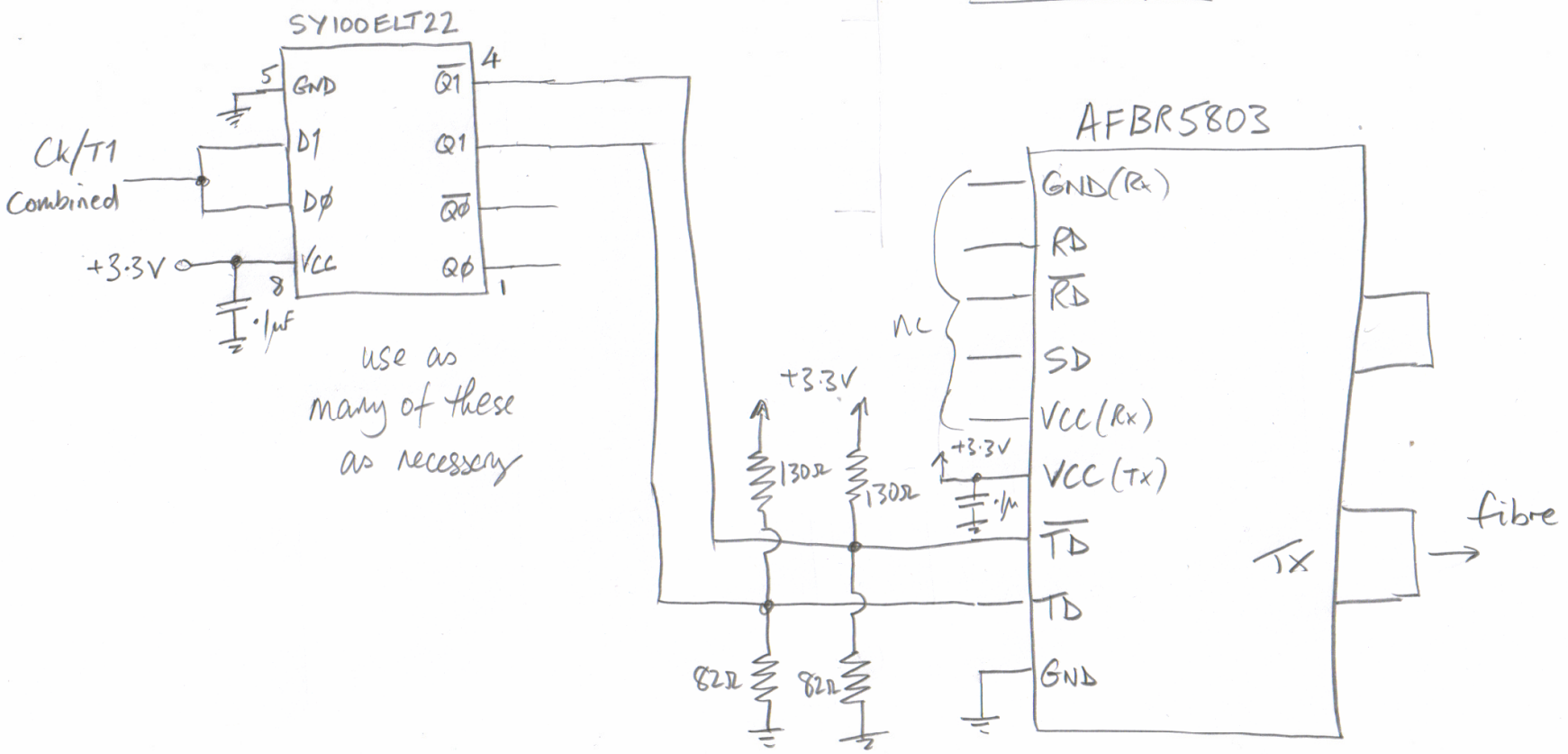
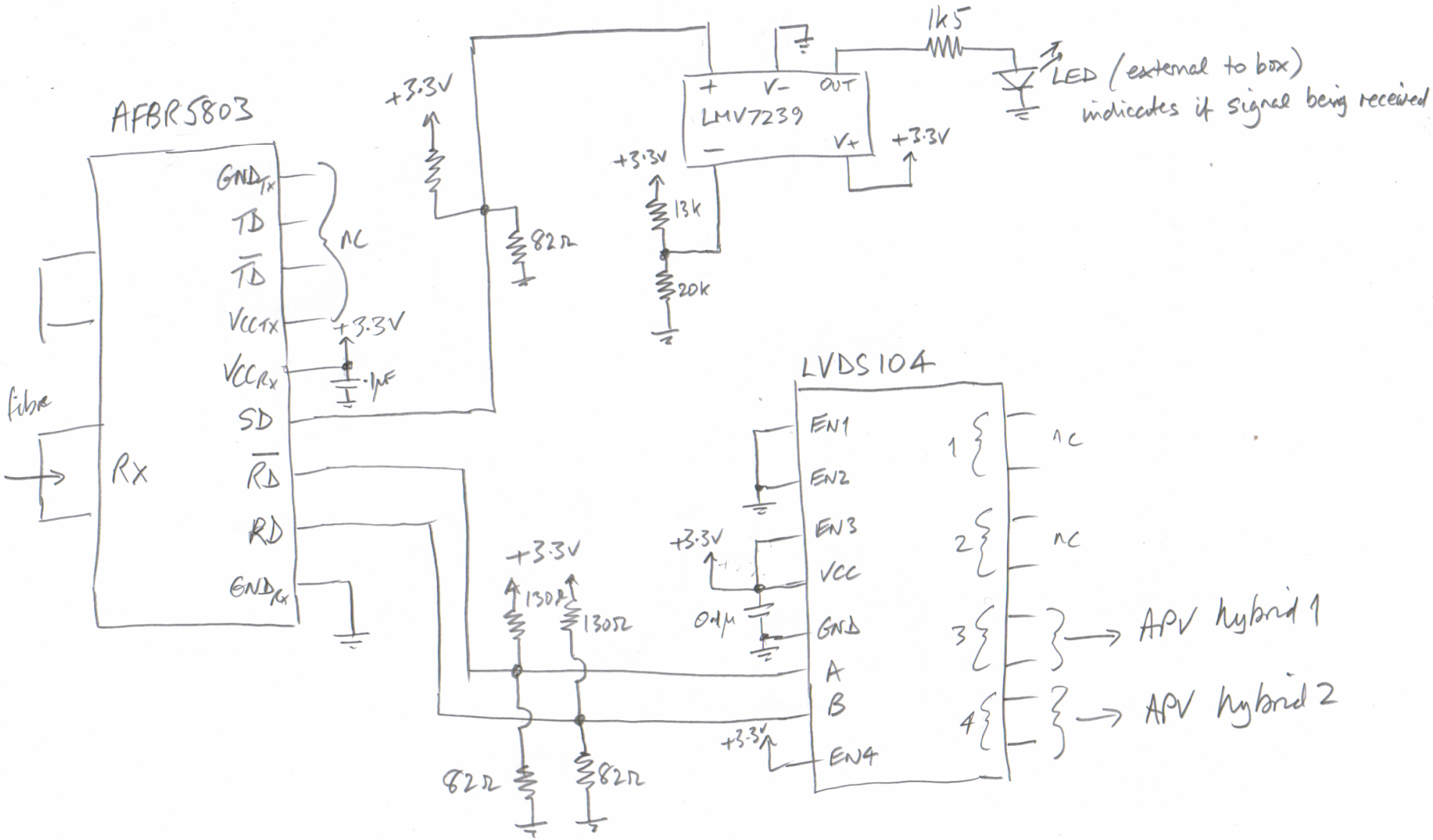

fast control signals
VME
XY planes
diff.
ECL
dECL
to
TTL
dECL
to
TTL
T1/Ck
encoder
TTL
to
PECL
PECL
to
fibre
PECL
to
fibre
PECL
to
fibre
100m
fibre
100m
fibre
100m
fibre
fibre
to
LVDS
fibre
to
LVDS
fibre
to
LVDS
APV hybrid 1
APV hybrid 2
APV hybrid 1
APV hybrid 2
APV hybrid 1
APV hybrid 2

dECL to TTL & T1/CK encoder



TTL to PECL


SY100ELT22
5
GND
D1
DØ
VCC
8
4
Q1
Q1
QØ
QØ
1
Ck/T1
Combined
+3.3V
.1µF
use as
many of these
as necessary
PECL to fibre
AFBR5803
GND(Rx)
RD
RD
SD
VCC(Rx)
VCC(Tx)
TD
TD
GND
NC
+3.3V
130Ω
130Ω
82Ω
82Ω
.1µ
TX
fibre

fibre to LVDS (in XY plane)