osmo-e1-xcvr

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

U$5

MODE1 — 17
MODE0 — 16
PULS3/AD7 — 33
PULS2/AD6 — 32
PULS1/AD5 — 31
PULS0/AD4 — 30
EQ/AD3 — 29
RPD/AD2 — 28
PATT1/AD1 — 27
PATT0/AD0 — 26
MNR
JA1 — 15
JA0 — 14
RCLKE — 11
RST — 12
THZ — 13

VDD
GND
GNDIO
GNDIO

R2 10k

IDT82V2081
RTIP — 41
RRING — 40
TTIP — 37
TRING — 36
U$1G$2

TP1
TP2
TP3
TP4

VDDT
VDD
MBR0540T1 D2 D1 D4
MBR0540T1 D3
MBR0540T1 D5 D6
MBR0540T1 D7 D8
GND
120 R3
R4 0
C5
R5 0

U$21:1 Rx Line PULSE_T1094NL
P$3 P$14
P$2 P$15
P$1 P$16

U$22:1 Tx Line PULSE_T1094NL
P$8 P$9
P$7 P$10
P$6 P$11

J2-1
1-8
1-7
1-6
1-5
1-4
1-3
1-2
1-1

J2-2
2-8
2-7
2-6
2-5
2-4
2-3
2-2
2-1

REF — 43
VDDA — 42
VDDT — 35
VDDD — 8
VDDIO — 19
GNDA — 39
GNDT — 38
GNDD — 10
GNDIO — 18

3k 1% R1
L1 VDD
C1 C2 C3 C4
100nF 100nF 100nF 100nF
GND

VDD
LED1 RED
LED2 GREEN
T1 BC847C
LOS R6 10k
R7 68
GND

JP2
1 2
3 4
5 6
7 8
9 10
TDM

VALUE
LOS — 7
RCLK — 4
RD/RDP — 5
CV/RDN — 6
TCLK — 1
TD/TDP — 2
TDN — 3
U$1G$1

JP1
1 2
3 4
5 6
7 8
9 10
SPI CONTROL

SJ2
1 2
68uF (NC)
C10

IDT82V2081
INT — 20
CS — 21
SDO/ACK/RDY — 23
SCLK/ALE/AS — 25
RD/DS/SCLKE — 22
SDI/WR/RW — 24
U$1G$3

MCLK — 9
IC0 — 44
IC1 — 34

JP10
TCLK/MCLK
2
1
2.048 Mhz
GND
E/D
OUT VCC
U$3
P$3
P$2
P$1
P$4

OUT VCC
E/D
GND
U$4
1.544 MHz
P$3
P$4
P$1
P$2

VDD
C6 100nF
C7 100nF
GND

JP9
1 2 3
1544/2048

SJ1
1 2
U$6 TPS736XX
IN — 1
OUT — 2
EN — 5
GND — 3
NR — 4
VDD
C9 68uF
C8 1nF
GND