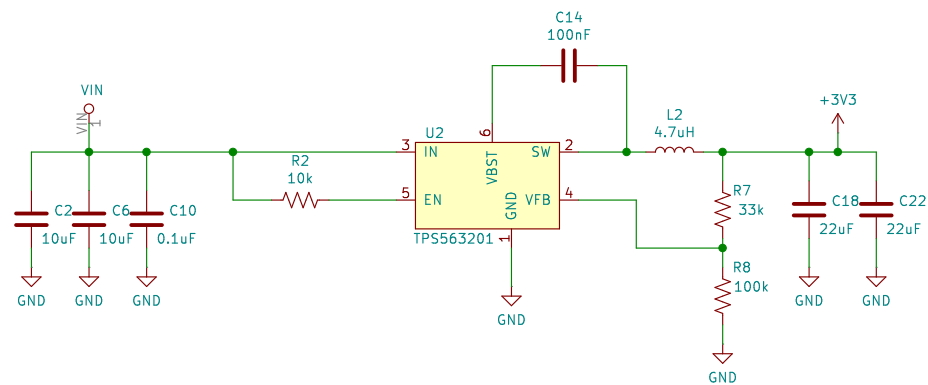
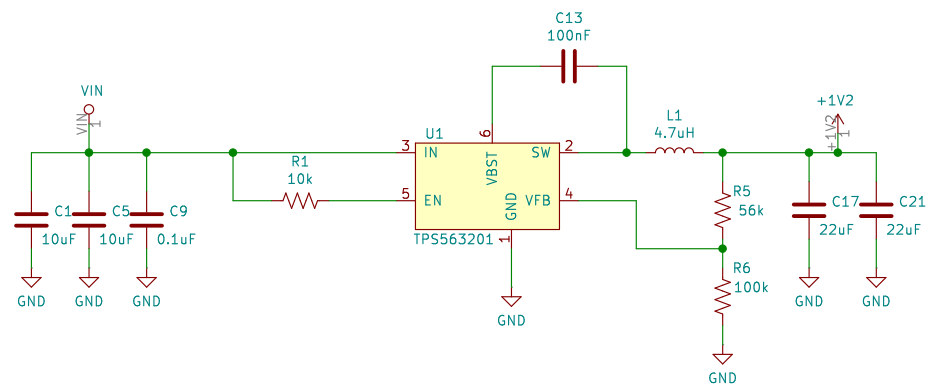
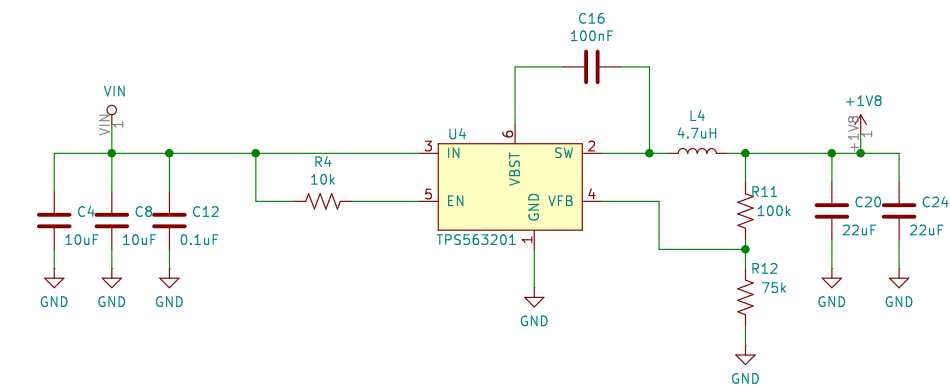
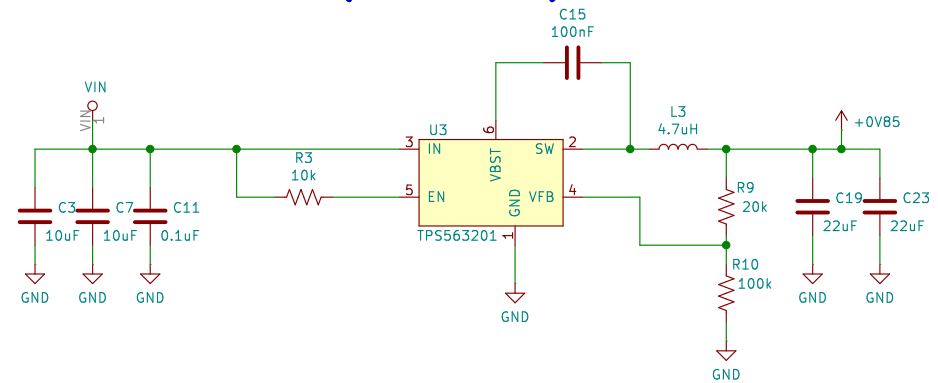


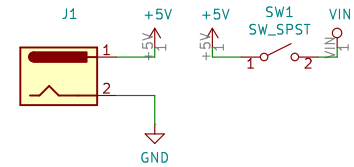
	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E			<div>Sheet: alimentaciones</div> <div>File: alimentaciones.sch</div>	<div>Sheet: GND</div> <div>File: GND.sch</div>	<div>Sheet: DDR</div> <div>File: DDR.sch</div>	<div>Sheet: PINOUT</div> <div>File: PINOUT.sch</div>	<div>Sheet: MIO & REFERENCIA</div> <div>File: MIO_REFERENCIA.sch</div>	
F							<div>UAH</div> <div>Sheet: /</div> <div>File: esquematico_Zynq-UltraScale.sch</div> <div>Title: TFG: Guía práctica para el diseño de SoCs: Zynq UltraScale+</div> <div>Size: A3</div> <div>KiCad E.D.A. kicad (5.1.9)–1</div>	<div>Date:</div> <div>Id: 1/6</div>

TPS563201

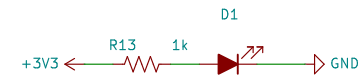
$$V_{out} = 0,768 \times (1 + R1/R2)$$



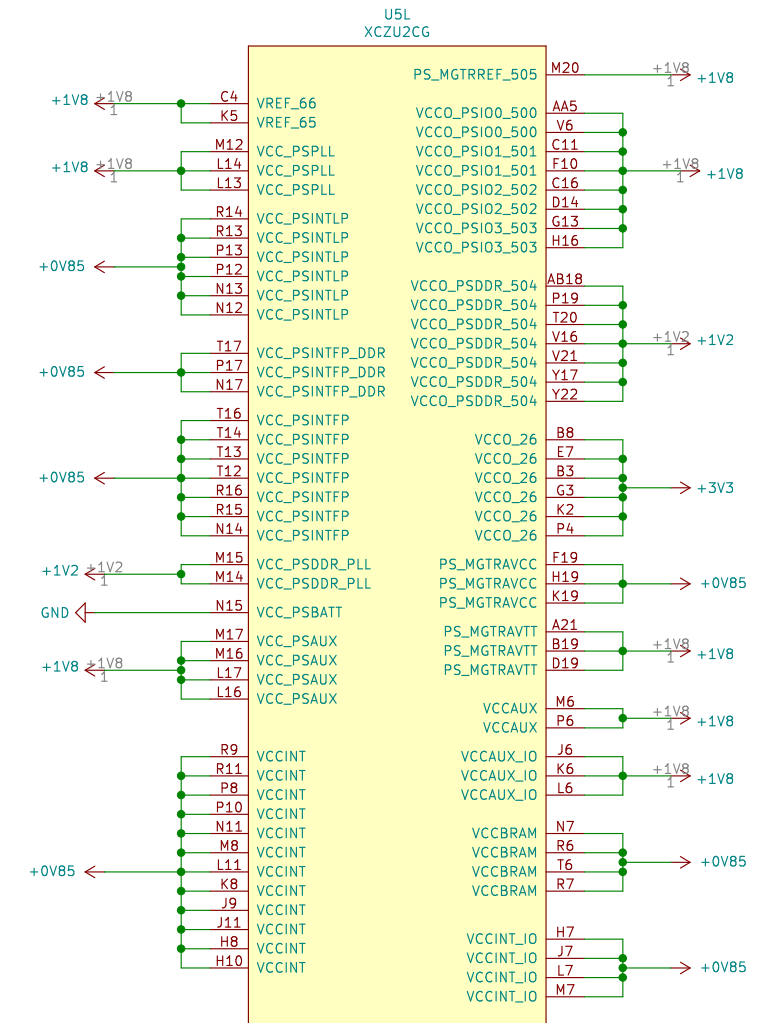
VOLTAGE INPUT



led ON



XCZU2CG



UAH

Sheet: /alimentaciones/
File: alimentaciones.sch

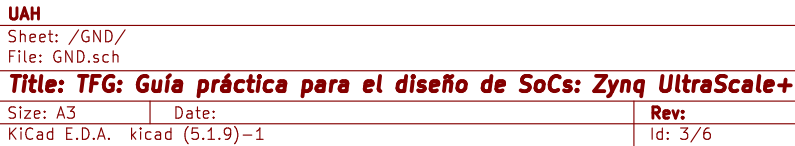
Title: TFG: Guía práctica para el diseño de SoCs: Zynq UltraScale+

Size: A3

Size: A5	Date:
KiCad E.D.A.	kicad (5.1.9)

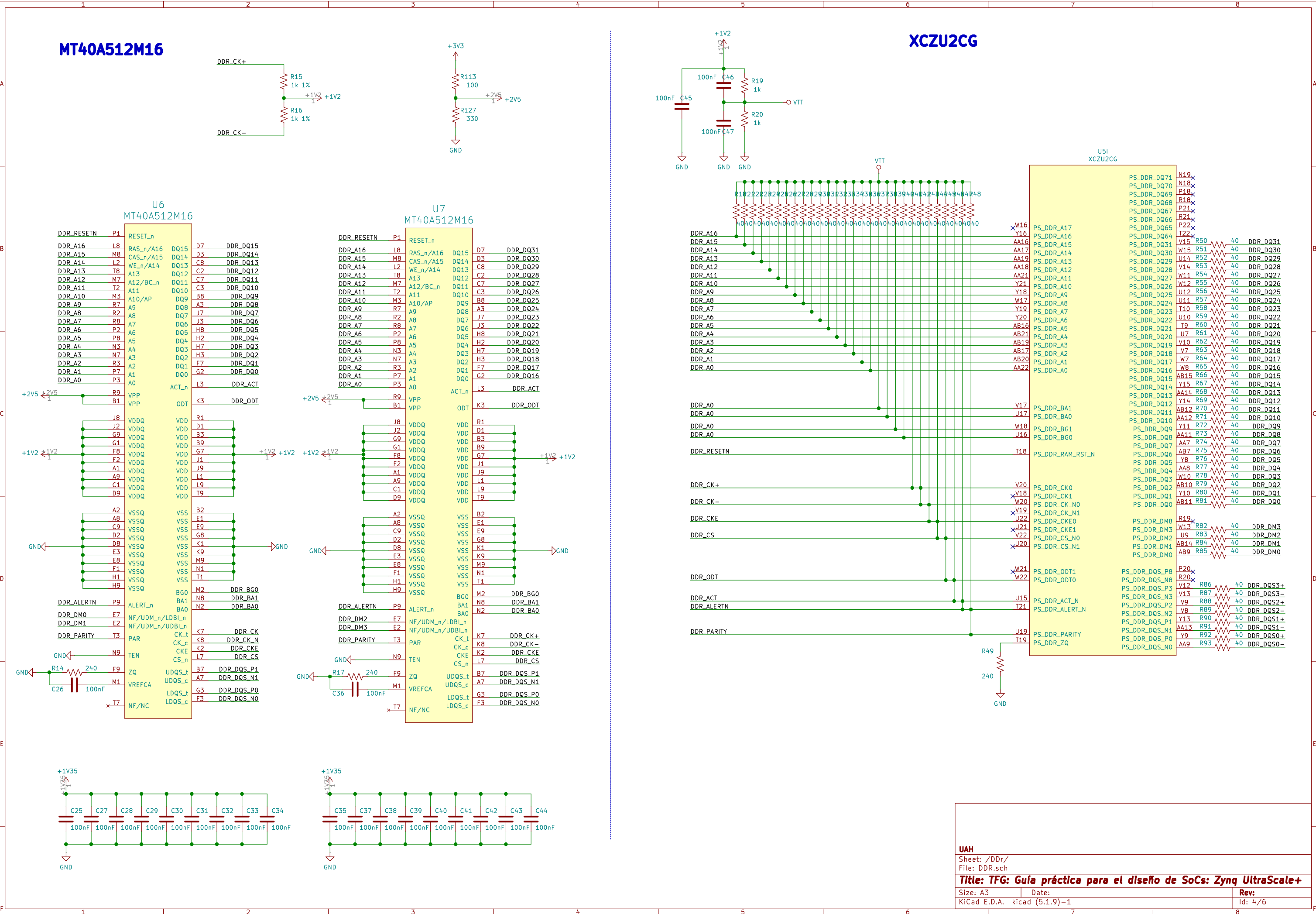
Rev:

id: 2/6



MT40A512M16

XCZU2CG



XCZU2CG

LEDS

BUTTON

SWITCHES

U5C
XCZU2CG

IO_T3U_N12_66

IO_L12N_T1U_N11_GC_66

IO_L12P_T1U_N10_GC_66

IO_L11N_T1U_N9_GC_66

IO_L11P_T1U_N8_GC_66

IO_T0U_N12_VRP_66

A2

A3

A4

B1

B2

B4

U5B
XCZU2CG

IO_L12N_AD0N_26

IO_L12P_AD0P_26

IO_L11N_AD1N_26

IO_L11P_AD1P_26

IO_L10N_AD2N_26

IO_L10P_AD2P_26

IO_L9N_AD3N_26

IO_L9P_AD3P_26

IO_L8N_HDGC_AD4N_26

IO_L8P_HDGC_AD4P_26

IO_L7N_HDGC_AD5N_26

IO_L7P_HDGC_AD5P_26

IO_L6N_HDGC_AD6N_26

IO_L6P_HDGC_AD6P_26

IO_L5N_HDGC_AD7N_26

IO_L5P_HDGC_AD7P_26

IO_L4N_AD8N_26

IO_L4P_AD8P_26

IO_L3N_AD9N_26

IO_L3P_AD9P_26

IO_L2N_AD10N_26

IO_L2P_AD10P_26

IO_L1N_AD11N_26

IO_L1P_AD11P_26

A6

B7

B5

B6

A7

A8

A9

B9

C7

C8

C5

D5

D8

E8

D6

D7

F7

F8

E5

E6

F6

G7

G5

G6

LED_0

LED_1

LED_2

LED_3

LED_4

LED_5

LED_6

LED_7

BT_0

BT_1

BT_2

SW_0

SW_1

SW_2

SW_3

SW_4

U5D
XCZU2CG

IO_L24N_T3U_N11_PERSTN0_65

IO_L24P_T3U_N10_PERSTN1_I2C_SDA_65

IO_L23N_T3U_N9_65

IO_L23P_T3U_N8_I2C_SCLK_65

IO_L22N_T3U_N7_DBC_AD0N_65

IO_L22P_T3U_N6_DBC_AD0P_65

IO_L21N_T3L_N5_AD8N_65

IO_L21P_T3L_N4_AD8P_65

IO_L20N_T3L_N3_AD1N_65

IO_L20P_T3L_N2_AD1P_65

IO_L19N_T3L_N1_DBC_AD9N_65

IO_L19P_T3L_N0_DBC_AD9P_65

IO_T3U_N12_65

IO_T2U_N12_65

IO_L18N_T2U_N11_AD2N_65

IO_L18P_T2U_N10_AD2P_65

IO_L17N_T2U_N9_AD10N_65

IO_L17P_T2U_N8_AD10P_65

IO_L16N_T2U_N7_QBC_AD3N_65

IO_L16P_T2U_N6_QBC_AD3P_65

IO_L15N_T2L_N5_AD11N_65

IO_L15P_T2L_N4_AD11P_65

IO_L14N_T2L_N3_GC_65

IO_L14P_T2L_N2_GC_65

IO_L13N_T2L_N1_GC_QBC_65

IO_L13P_T2L_N0_GC_QBC_65

IO_L12N_T1U_N11_GC_65

IO_L12P_T1U_N10_GC_65

IO_L11N_T1U_N9_GC_65

IO_L11P_T1U_N8_GC_65

IO_L10N_T1U_N7_QBC_AD4N_65

IO_L10P_T1U_N6_QBC_AD4P_65

IO_L9N_T1L_N5_AD12N_65

IO_L9P_T1L_N4_AD12P_65

IO_L8N_T1L_N3_AD5N_65

IO_L8P_T1L_N2_AD5P_65

IO_L7N_T1L_N1_QBC_AD13N_65

IO_L7P_T1L_N0_QBC_AD13P_65

IO_T1U_N12_65

IO_T0U_N12_VRP_65

IO_L6N_T0U_N11_AD6N_65

IO_L6P_T0U_N10_AD6P_65

IO_L5N_T0U_N9_AD14N_65

IO_L5P_T0U_N8_AD14P_65

IO_L4N_T0U_N7_DBC_AD7N_65

IO_L4P_T0U_N6_DBC_AD7P_SMBALERT_65

IO_L3N_T0L_N5_AD15N_65

IO_L3P_T0L_N4_AD15P_65

IO_L2N_T0L_N3_65

IO_L2P_T0L_N2_65

IO_L1N_T0L_N1_DBC_65

IO_L1P_T0L_N0_DBC_65

C2

D2

F2

F3

C3

D3

D1

E1

E3

E4

F1

G1

F4

H3

G4

H4

G2

H2

H5

J5

J1

K1

K3

K4

J2

J3

L3

L4

L1

L2

M4

M5

M1

M2

N4

N5

P1

N2

N3

P2

R5

P5

T1

R1

T4

R4

U1

U2

R3

P3

T2

T3

