

# Br Element Reference



## Legend

Not connected

### Bank A

R	48	45	42	39	36	33	30	27
G	49	46	43	40	37	34	31	28
+V	3	6	9	12	15	18	21	24
G	2	5	8	11	14	17	20	23

### Bank B

+V	48	45	42	39	36	33	30	27
G	49	46	43	40	37	34	31	28
+V	3	6	9	12	15	18	21	24
G	2	5	8	11	14	17	20	23

### Bank C

G	49	46	43	40	37	34	31	28
+V	48	45	42	39	36	33	30	27
G	2	5	8	11	14	17	20	23
R	3	6	9	12	15	18	21	24

### Bank D

G	49	46	43	40	37	34	31	28
+V	48	45	42	39	36	33	30	27
G	2	5	8	11	14	17	20	23
+V	3	6	9	12	15	18	21	24

Raw +5V
+3.3 Volts
Ground
Single Ended IO
Differential IO
Dual Voltage IO
Analog Input
Analog Supply
LED
Special Function

## Special Function Mapping

### AU

17	Analog 1.8V
18	Analog 1.8V
33	Analog Gnd
34	Analog Reference
20	VBSEL*
21	1.8V

\*Controls dual voltage IO levels  
Leave floating for 3.3V IO  
Connect to 1.8V for 1.8V IO

### CU

USB Tx	14
USB Rx	15
MISO	23
MOSI	24
SCK	27
SS	28
Config Reset	36
Done	37
Reset	39
100MHz Clock	40

### AU

USB Tx	14
USB Rx	15
TDI	23
TDO	24
TCK	27
TMS	28
Program	36
Done	37
Reset	39
100Mhz Clock	40