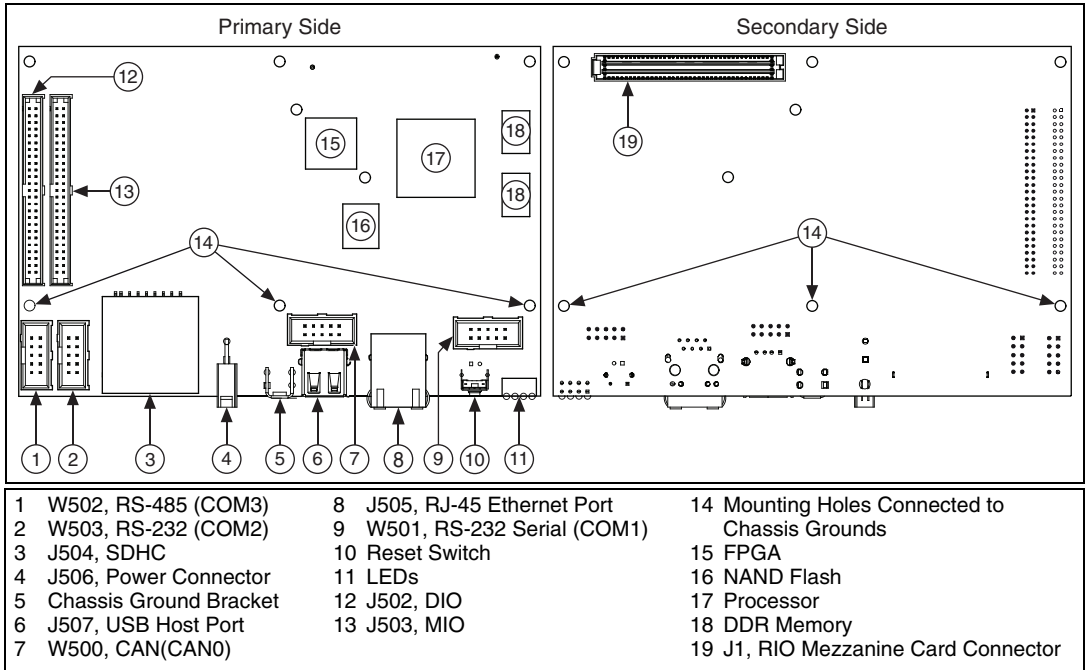


NI SINGLE-BOARD RIO QUICK REFERENCE

sbRIO-9623/9626/9633/9636

Go to ni.com/info and enter the Info Code `sbriodocs` to locate the user guide for this product.



RS-232

SHIELD	10	9	RI
CTS	8	7	RTS
DSR	6	5	GND
DTR	4	3	TXD
RXD	2	1	DCD

CAN

SHIELD	10	9	NC
NC	8	7	CAN0_H
V-(GND)	6	5	SHIELD
NC	4	3	V-(GND)
CAN0_L	2	1	NC

RS-485

SHIELD	10	9	TXD-
TXD+	8	7	NC
NC	6	5	RXD-
RXD+	4	3	NC
NC	2	1	GND

J502, DIO

D GND	1	2	DIO4
D GND	3	4	DIO5
D GND	5	6	DIO6
D GND	7	8	DIO7
D GND	9	10	DIO8
D GND	11	12	DIO9
D GND	13	14	DIO10
D GND	15	16	DIO11
D GND	17	18	DIO12
D GND	19	20	DIO13
D GND	21	22	DIO14
D GND	23	24	DIO15
D GND	25	26	DIO16
D GND	27	28	DIO17
D GND	29	30	DIO18
D GND	31	32	DIO19
D GND	33	34	DIO20
D GND	35	36	DIO21
D GND	37	38	DIO22
D GND	39	40	DIO23
D GND	41	42	DIO24
D GND	43	44	DIO25
D GND	45	46	DIO26
D GND	47	48	DIO27
+5V	49	50	+5V

J503, MIO

AI GND	1	2	AI0
AI8	3	4	AI GND
AI9	5	6	AI1
AI GND	7	8	AI2
AI10	9	10	AI GND
AI11	11	12	AI3
AI GND	13	14	AI4
AI12	15	16	AI GND
AI13	17	18	AI5
AI GND	19	20	AI6
AI14	21	22	AI GND
AI15	23	24	AI7
AI GND	25	26	AI GND
AO GND	27	28	AO0
AO GND	29	30	AO1
AO GND	31	32	AO2
AO GND	33	34	AO3
AO GND	35	36	NC
AO GND	37	38	NC
AO GND	39	40	NC
AO GND	41	42	NC
D GND	43	44	DIO0
D GND	45	46	DIO1
D GND	47	48	DIO2
D GND	49	50	DIO3

	Status LED
# of Flashes	Indication
2	No software installed or software installation error
3	Safe mode on
4	Check RT VI
Continuously flashing or solid	Unrecoverable error, contact NI

J506, Power Connector

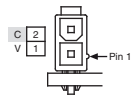


Table 1. RIO Mezzanine Card Connector Pinout

1-RESERVED	2-RESERVED	3-RESERVED	4-RESERVED	5-RESERVED	6-RESERVED
7-RESERVED	8-RESERVED	9-RESERVED	10-RESERVED	11-RESERVED	12-RESERVED
13-RESERVED	14-RESERVED	15-RESERVED	16-RESERVED	17-GND	18-RESERVED
19-RESERVED	20-RESERVED	21-RESERVED	22-RESERVED	23-GND	24-RESERVED
25-RESERVED	26-RESERVED	27-RESERVED	28-RESERVED	29-USB_D+	30-GND
31-RESERVED	32-RESERVED	33-RESERVED	34-RESERVED	35-USB_D-	36-GND
37-RESERVED	38-RST#	39-RESERVED	40-RESERVED	41-GND	42-RESERVED
43-RESERVED	44-RESERVED	45-RESERVED	46-RESERVED	47-GND	48-RESERVED
49-RESERVED	50-RESERVED	51-RESERVED	52-RESERVED	53-RESERVED	54-5V
55-RESERVED	56-RESERVED	57-RESERVED	58-RESERVED	59-RESERVED	60-5V
61-RESERVED	62-RESERVED	63-RESERVED	64-RESERVED	65-RESERVED	66-5V
67-RESERVED	68-RESERVED	69-RESERVED	70-RESERVED	71-RESERVED	72-5V
73-RESERVED	74-RESERVED	75-RESERVED	76-RESERVED	77-RESERVED	78-GND
79-RESERVED	80-RESERVED	81-RESERVED	82-RESERVED	83-GND	84-RESERVED
85-RESERVED	86-RESERVED	87-RESERVED	88-GND	89-DIO47	90-DIO15
91-RESERVED	92-DIO63	93-GND	94-DIO79	95-DIO46	96-GND
97-DIO95	98-GND	99-DIO31	100-DIO78	101-GND	102-DIO14
103-GND	104-DIO62	105-DIO30	106-GND	107-DIO45	108-DIO13
109-DIO94	110-DIO61	111-GND	112-DIO77	113-DIO44	114-GND
115-DIO93	116-GND	117-DIO29	118-DIO76	119-GND	120-DIO12
121-GND	122-DIO60	123-DIO28	124-GND	125-DIO43	126-DIO11
127-DIO92	128-DIO59	129-GND	130-DIO75	131-DIO42	132-GND
133-DIO91	134-GND	135-DIO27	136-DIO74	137-GND	138-DIO10
139-GND	140-DIO58	141-DIO26	142-GND	143-DIO41	144-DIO9
145-DIO90	146-DIO571	47-GND	148-DIO73	149-DIO40	150-GND
151-DIO89	152-GND	153-DIO25	154-DIO72	155-GND	156-DIO8
157-GND	158-DIO56	159-DIO24	160-GND	161-DIO39	162-DIO7
163-DIO88	164-DIO55	165-GND	166-DIO71	167-DIO38	168-GND
169-DIO87	170-GND	171-DIO23	172-DIO70	173-GND	174-DIO6
175-GND	176-DIO54	177-DIO22	178-GND	179-DIO37	180-DIO5
181-DIO86	182-DIO53	183-GND	184-DIO69	185-DIO36	186-GND
187-DIO85	188-GND	189-DIO21	190-DIO68	191-GND	192-DIO4
193-GND	194-DIO52	195-DIO20	196-GND	197-DIO35	198-DIO3
199-DIO84	200-DIO5	1201-GND	202-DIO67	203-DIO34	204-GND
205-DIO83	206-GND	207-DIO19	208-DIO66	209-GND	210-DIO2
211-GND	212-DIO50	213-DIO18	214-GND	215-DIO33	216-DIO1
217-DIO82	218-DIO49	219-GND	220-DIO65	221-DIO32	222-GND
223-DIO81	224-GND	225-DIO17	226-DIO64	227-GND	228-DIO0
229-GND	230-DIO48	231-DIO16	232-GND	233-RESERVED	234-FPGA_VIO
235-DIO80	236-VBAT	237-GND	238-RESERVED	239-FPGA_CONF	240-FPGA_VIO

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