

R&S[®]ZN-Z25

RFFE Cable with Adaptors

Specifications

RFFE cable with adaptors (order no. 1334.3424.02)	2 m ribbon cable for connecting a DUT to the RFFE GPIO interface; splits the 25 pin connector of the RFFE GPIO interface to four connectors
Connector type	10-pin socket or adaptors with several different pin configurations (see pin description)

Pin description: cable				
RFFE 1 ¹	1	RFFE 1_CLK	2	GND
	3	RFFE 1_DATA	4	GND
	5	RFFE 1_VIO	6	GND
	7	GPIO 1	8	GND
	9	GND	10	GND
RFFE 2 ¹	1	RFFE 2_CLK	2	GND
	3	RFFE 2_DATA	4	GND
	5	RFFE 2_VIO	6	GND
	7	GPIO 2	8	GND
	9	GND	10	GND
GPIO 1 to GPIO 5	1	GPIO 1	2	GND
	3	GPIO 2	4	GND
	5	GPIO 3	6	GND
	7	GPIO 4	8	GND
	9	GPIO 5	10	GND
GPIO 6 to GPIO 10	1	GPIO 6	2	GND
	3	GPIO 7	4	GND
	5	GPIO 8	6	GND
	7	GPIO 9	8	GND
	9	GPIO 10	10	GND

¹ Operation on RFFE lines as specified in the data sheets of R&S[®]ZN-B15 (PD 5214.5384.22) and R&S[®]ZN-Z15 (PD 3607.3380.22) is guaranteed with these adaptors, only.

Pin description: adaptors				
Adaptor 1 10 pin (connected to RFFE 1 or 2)	1	RFFE 1/2 _CLK	2	GND
	3	RFFE 1/2 _DATA	4	GND
	5	RFFE 1/2 _VIO	6	GND
	7	GPIO 1/2	8	GND
	9	GND	10	GND
Adaptor 1 10 pin (connected to GPIO 1 to GPIO 5 or GPIO 6 to GPIO 10)	1	GPIO 1/6	2	GND
	3	GPIO 2/7	4	GND
	5	GPIO 3/8	6	GND
	7	GPIO 4/9	8	GND
	9	GPIO 5/0	10	GND
Adaptor 2 8 pin (connected to RFFE 1 or 2)	1	RFFE 1/2 _DATA	2	GND
	3	RFFE 1/2 _CLK	4	GND
	5	GPIO 1/2	6	GND
	7	RFFE 1/2 _VIO	8	GND
Adaptor 3 14 pin (connected to RFFE 1 or 2)	1	GPIO 1/2	2	GND
	3	RFFE 1/2 _VIO	4	GND
	5	-NC-	6	GND
	7	RFFE 1/2 _DATA	8	GND
	9	-NC-	10	GND
	11	RFFE 1/2 _CLK	12	GND
Adaptor 4 6 pin (connected to RFFE 1 or 2)	1	GND	2	RFFE 1/2 _CLK
	3	RFFE 1/2 _DATA	4	RFFE 1/2 _VIO
	5	GPIO 1/2	6	GND

Adaptors to match the DUT ²		
Adaptor 1	DUT connector	10 (2 rows)
	gender	male
	pitch	2.54 mm
	dimensions adaptor (H x W x L)	12 mm x 24.5 mm x 35 mm (0.47 in x 0.96 in x 1.38 in)
	dimensions connector (H x W x L)	6.4 mm x 6.4 mm x 18.1 mm (0.25 in x 0.25 in x 0.71 in)
Adaptor 2	DUT connector	8 (2 rows)
	gender	male
	pitch	2.54 mm
	dimensions adaptor (H x W x L)	12 mm x 24.5 mm x 35 mm (0.47 in x 0.96 in x 1.38 in)
	dimensions connector (H x W x L)	6.4 mm x 6.4 mm x 15.4 mm (0.25 in x 0.25 in x 0.60 in)
Adaptor 3	DUT connector	14 (2 rows)
	gender	male
	pitch	2.54 mm
	dimensions adaptor (H x W x L)	12 mm x 28 mm x 35 mm (0.47 in x 1.10 in x 1.38 in)
	dimensions connector (H x W x L)	6.4 mm x 6.4 mm x 23.1 mm (0.25 in x 0.25 in x 0.91 in)
Adaptor 4	DUT connector	6 (1 row)
	gender	male
	pitch	2.54 mm
	dimensions adaptor (H x W x L)	12 mm x 25 mm x 31.5 mm (0.47 in x 0.98 in x 1.24 in)
	dimensions connector	no housing

Cable	
Type	4 x 10-pol ribbon cable
Length	2 m (without plugs)
Header dimensions (H x W x L)	20 mm x 53.5 mm x 30 mm (0.79 in x 2.11 in x 1.18 in)
Weight	0.2 kg (0.4 lb)

² Max. extra length from adaptors to DUT: 100 mm (3.94 in).

Ordering information

Designation	Type	Order No.
RFFE Cable with Adaptors	R&S®ZN-Z25	1334.3424.02
Associated products		
For R&S®ZNB		
RFFE GPIO Interface	R&S®ZN-B15	1323.9355.02
RFFE GPIO Interface, including voltage/current measurement	R&S®ZN-B15	1323.9355.03
For R&S®ZNB8/20, R&S®ZNB		
RFFE Interface	R&S®ZN-Z15	1325.5905.02
RFFE Interface, including voltage/current measurements with switchable source resistance	R&S®ZN-Z15	1325.5905.03

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