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REV
A

DESCRIPTION

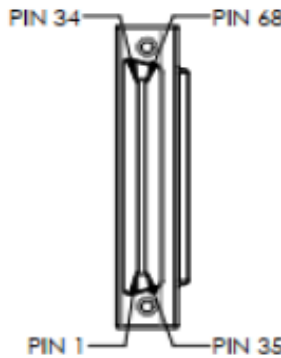
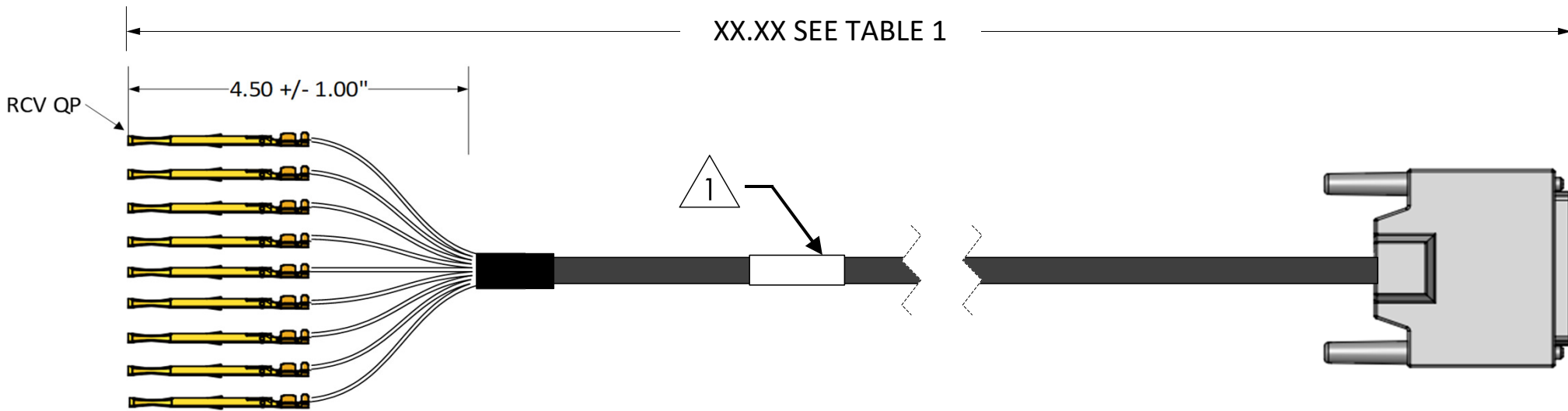
ORIGINAL RELEASE ECN #12486

DATE

4/11/22

ENGINEER

L SALE



68PN ML VHDCI OFFSET
MATING FACE

TABLE 1

PART NUMBER	LENGTH
VFLXXXXXX-020	20"
VFLXXXXXX-036	36"
VFLXXXXXX-048	48"
VFLXXXXXX-060	60"
VFLXXXXXX-072	72"

1 MARK IN APPROXIMATE AREA AS SHOWN "VFL104124-XXX REV []"

NOTES:

DIMENSION DESIGNATOR LABELS PER IS 6 UNLESS OTHERWISE SPECIFIED.		TORQUE ALL SCREWS PER ES 2 UNLESS OTHERWISE SPECIFIED.	
VPC BREAKOUT TOLERANCES UNLESS SPECIFIED REFERENCE ENGINEERING SPECIFICATION 4		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.	
IF	THEN	RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT	
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET	3.50 +/- 1.00	NOMINAL LENGTH	TOLERANCE
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS CENTERED	4.50 +/- 1.00	0 - 11.99"	+1.00/-0.00
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	5.50 +/- 1.00	12.00 - 59.99"	+2.00/-1.00
		60.00 - 119.99"	+4.00/-1.00
		120.00 - 299.99"	+6.00/-1.00
		300.00" - UP	+5 %/-1.00



Virginia Panel Corporation

VFLSIG 68PN ML VHDCI TO QP

DWG. NO. **VFL104124**

REV
A

SIZE: B SCALE: NONE CAGE CODE: 18117 SHEET: 1 OF 1

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
1	1	+5 V	30 T/P	WHITE/TAN	1	610138216
2	1	+5 V	↑	TAN/WHITE	1	610138216
3	2	P0.0	30 T/P	WHITE/BROWN	2	610138216
4	36	D GND P0.0/0.1	↑	BROWN/WHITE	2	610138216
5	3	P0.1	30 T/P	WHITE/PINK	3	610138216
6	36	D GND P0.0/0.1	↑	PINK/WHITE	3	610138216
7	38	PFI 1/P1.1	30 T/P	WHITE/ORANGE	4	610138216
8	37	D GND PFI 0/1	↑	ORANGE/WHITE	4	610138216
9	4	PFI 0/P1.0	30 T/P	WHITE/YELLOW	5	610138216
10	37	D GND PFI 0/1	↑	YELLOW/WHITE	5	610138216
11	5	PFI 2/P1.2	30 T/P	WHITE/GREEN	6	610138216
12	39	D GND PFI 2/3	↑	GREEN/WHITE	6	610138216
13	6	PFI 3/P1.3	30 T/P	WHITE/BLUE	7	610138216
14	39	D GND PFI 2/3	↑	BLUE/WHITE	7	610138216
15	40	PFI 4/P1.4	30 T/P	WHITE/VIOLET	8	610138216
16	41	D GRD PFI 4/5	↑	VIOLET/WHITE	8	610138216
17	7	PFI 5/P1.5	30 T/P	WHITE/GRAY	9	610138216
18	41	D GRD PFI 4/5	↑	GRAY/WHITE	9	610138216
19	8	PFI 6/P1.6	30 T/P	TAN/BROWN	10	610138216
20	42	D GND PFI 6/7	↑	BROWN/TAN	10	610138216
21	9	PFI 7/P1.7	30 T/P	TAN/PINK	11	610138216
22	42	D GND PFI 6/7	↑	PINK/TAN	11	610138216
23	44	AO 1	30 T/P	TAN/ORANGE	12	610138216
24	11	AO GND 0/1	↑	ORANGE/TAN	12	610138216
25	10	AO 0	30 T/P	TAN/YELLOW	13	610138216
26	11	AO GND 0/1	↑	YELLOW/TAN	13	610138216
27	45	AO 2	30 T/P	TAN/GREEN	14	610138216
28	46	AO GND 2/3	↑	GREEN/TAN	14	610138216
29	12	AO 3	30 T/P	TAN/BLUE	15	610138216
30	46	AO GND 2/3	↑	BLUE/TAN	15	610138216
31	47	AO 5	30 T/P	TAN/VIOLET	16	610138216
32	14	AO GND 4/5	↑	VIOLET/TAN	16	610138216
33	13	AO 4	30 T/P	RED/BLUE	17	610138216
34	14	AO GND 4/5	↑	BLUE/RED	17	610138216
35	48	AO 6	30 T/P	RED/ORANGE	18	610138216
36	49	AO GND 6/7	↑	ORANGE/RED	18	610138216
37	15	AO 7	30 T/P	RED/GREEN	19	610138216
38	49	AO GND 6/7	↑	GREEN/RED	19	610138216
39	16	AO 8	30 T/P	RED/BROWN	20	610138216
40	50	AO GND 8/9/10	↑	BROWN/RED	20	610138216
41	17	AO 9	30 T/P	GRAY/RED	21	610138216
42	50	AO GND 8/9/10	↑	RED/GRAY	21	610138216
43	51	AO 10	30 T/P	BLUE/BLACK	22	610138216
44	50	AO GND 8/9/10	↑	BLACK/BLUE	22	610138216
45	52	AO 11	30 T/P	BLACK/ORANGE	23	610138216
46	18	AO GND 11	↑	ORANGE/BLACK	23	610138216
47	53	AO 12	30 T/P	BLACK/GREEN	24	610138216
48	20	AO GND 12/13	↑	GREEN/BLACK	24	610138216
49	54	AO 13	30 T/P	BLACK/BROWN	25	610138216
50	20	AO GND 12/13	↑	BROWN/BLACK	25	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
51	21	AO 14	30 T/P	BLACK/GRAY	26	610138216
52	55	AO GND 14/15	↑	GRAY/BLACK	26	610138216
53	22	AO 15	30 T/P	YELLOW/BLUE	27	610138216
54	55	AO GND 14/15	↑	BLUE/YELLOW	27	610138216
55	57	AO 17	30 T/P	TAN/ORANGE	28	610138216
56	24	AO GND 16/17	↑	ORANGE/TAN	28	610138216
57	23	AO 16	30 T/P	TAN/YELLOW	29	610138216
58	24	AO GND 16/17	↑	YELLOW/TAN	29	610138216
59	58	AO 18	30 T/P	TAN/GREEN	30	610138216
60	59	AO GND 18/19	↑	GREEN/TAN	30	610138216
61	25	AO 19	30 T/P	TAN/BLUE	31	610138216
62	59	AO GND 18/19	↑	BLUE/TAN	31	610138216
63	60	AO 21	30 T/P	TAN/VIOLET	32	610138216
64	27	AO GND 20/21	↑	VIOLET/TAN	32	610138216
65	26	AO 20	30 T/P	RED/BLUE	33	610138216
66	27	AO GND 20/21	↑	BLUE/RED	33	610138216
67	61	AO 22	30 T/P	RED/ORANGE	34	610138216
68	62	AO GND 22/23	↑	ORANGE/RED	34	610138216
69	28	AO 23	30 T/P	RED/GREEN	35	610138216
70	62	AO GND 22/23	↑	GREEN/RED	35	610138216
71	63	AO 25	30 T/P	RED/BROWN	36	610138216
72	30	AO GND 24/25	↑	BROWN/RED	36	610138216
73	29	AO 24	30 T/P	RED/GRAY	37	610138216
74	30	AO GND 24/25	↑	GRAY/RED	37	610138216
75	64	AO 26	30 T/P	BLACK/BLUE	38	610138216
76	65	AO GND 26/27	↑	BLUE/BLACK	38	610138216
77	31	AO 27	30 T/P	BLACK/ORANGE	39	610138216
78	65	AO GND 26/27	↑	ORANGE/BLACK	39	610138216
79	66	AO 29	30 T/P	BLACK/GREEN	40	610138216
80	33	AO GND 28/29	↑	GREEN/BLACK	40	610138216
81	32	AO 28	30 T/P	BLACK/BROWN	41	610138216
82	33	AO GND 28/29	↑	BROWN/BLACK	41	610138216
83	67	AO 30	30 T/P	BLACK/GRAY	42	610138216
84	68	AO GND 30/31	↑	GRAY/BLACK	42	610138216
85	34	AO 31	30 T/P	YELLOW/BLUE	43	610138216
86	68	AO GND 30/31	↑	BLUE/YELLOW	43	610138216