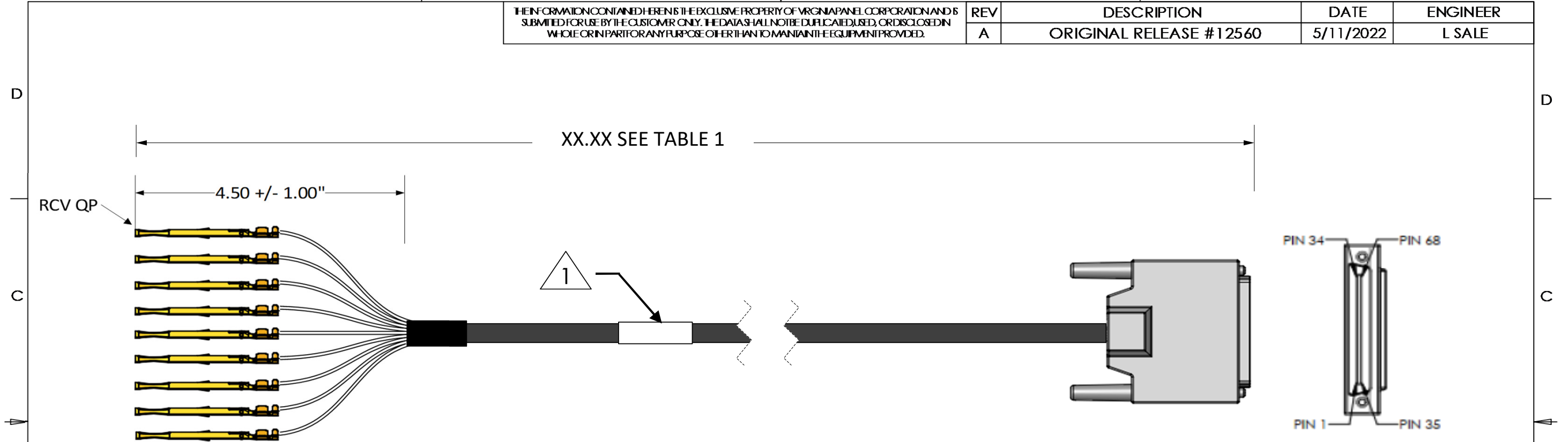


REV	DESCRIPTION	DATE	ENGINEER
A	ORIGINAL RELEASE #12560	5/11/2022	L SALE



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 "VFL110124-XXX REV []"
NOTES:

DIMENSION DESIGNATOR LABELS PER ES6 UNLESS OTHERWISE SPECIFIED.		TORQUE ALL SCREWS PER ES2 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		VFLSIG 68PN ML VHDCI TO QP			
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET		TOLERANCES UNLESS SPECIFIED					
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS CENTERED	3.50 +/- 1.00	NOMINAL LENGTH	TOLERANCE	DWG.NO.	REV		
		0 - 11.99"	+1.00/-0.00				
		12.00 - 59.99"	+2.00/-1.00				
		60.00 - 119.99"	+4.00/-1.00				
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	4.50 +/- 1.00	120.00 - 299.99"	+6.00/-1.00	VFL110124	A		
		300.00" - UP	+5 %/-1.00				
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE		5.50 +/- 1.00		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	I/O 31	32 COAX	CC	1	269819 610138216
2	2	DGND	↑	SHD	1	610138216
3	3	I/O 29	32 COAX	CC	2	269819 610138216
4	4	DGND	↑	SHD	2	610138216
5	5	I/O 27	32 COAX	CC	3	269819 610138216
6	4	DGND	↑	SHD	3	610138216
7	7	I/O 25	32 COAX	CC	4	269819 610138216
8	6	DGND	↑	SHD	4	610138216
9	8	RES 2	32 COAX	CC	5	269819 610138216
10	6	DGND	↑	SHD	5	610138216
11	9	I/O 23	32 COAX	CC	6	269819 610138216
12	10	DGND	↑	SHD	6	610138216
13	11	I/O 21	32 COAX	CC	7	269819 610138216
14	12	DGND	↑	SHD	7	610138216
15	13	I/O 19	32 COAX	CC	8	269819 610138216
16	14	DGND	↑	SHD	8	610138216
17	15	I/O 17	32 COAX	CC	9	269819 610138216
18	16	DGND	↑	SHD	9	610138216
19	17	I/O 15	32 COAX	CC	10	269819 610138216
20	18	DGND	↑	SHD	10	610138216
21	19	I/O 13	32 COAX	CC	11	269819 610138216
22	20	DGND	↑	SHD	11	610138216
23	21	I/O 11	32 COAX	CC	12	269819 610138216
24	22	DGND	↑	SHD	12	610138216
25	23	I/O 9	32 COAX	CC	13	269819 610138216
26	22	DGND	↑	SHD	13	610138216
27	25	I/O 7	32 COAX	CC	14	269819 610138216
28	24	DGND	↑	SHD	14	610138216
29	26	TRIG 1	32 COAX	CC	15	269819 610138216
30	24	DGND	↑	SHD	15	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
31	27	I/O 5	32 COAX	CC	16	269819 610138216
32	28	DGND	↑	SHD	16	610138216
33	29	I/O 31	32 COAX	CC	17	269819 610138216
34	28	DGND	↑	SHD	17	610138216
35	30	TRIG 3	32 COAX	CC	18	269819 610138216
36	32	DGND	↑	SHD	18	610138216
37	31	I/O 1	32 COAX	CC	19	269819 610138216
38	32	DGND	↑	SHD	19	610138216
39	33	CLK OUT/TRIG 4	32 COAX	CC	20	269819 610138216
40	34	DGND	↑	SHD	20	610138216
41	35	I/O 30	32 COAX	CC	21	269819 610138216
42	36	DGND	↑	SHD	21	610138216
43	37	I/O28	32 COAX	CC	22	269819 610138216
44	38	DGND	↑	SHD	22	610138216
45	39	I/O 26	32 COAX	CC	23	269819 610138216
46	40	DGND	↑	SHD	23	610138216
47	41	I/O 24	32 COAX	CC	24	269819 610138216
48	42	DGND	↑	SHD	24	610138216
49	43	I/O 22	32 COAX	CC	25	269819 610138216
50	44	DGND	↑	SHD	25	610138216
51	45	I/O 20	32 COAX	CC	26	269819 610138216
52	46	DGND	↑	SHD	26	610138216
53	47	I/O 18	32 COAX	CC	27	269819 610138216
54	48	DGND	↑	SHD	27	610138216
55	49	I/O 16	32 COAX	CC	28	269819 610138216
56	48	DGND	↑	SHD	28	610138216
57	51	I/O 14	32 COAX	CC	29	269819 610138216
58	50	DGND	↑	SHD	29	610138216
59	52	TRIG 0	32 COAX	CC	30	269819 610138216
60	50	DGND	↑	SHD	30	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
61	53	I/O 12	32 COAX	CC	31	269819 610138216
62	54	DGND	↑	SHD	31	610138216
63	55	I/O 10	32 COAX	CC	32	269819 610138216
64	54	DGND	↑	SHD	32	610138216
65	57	I/O 8	32 COAX	CC	33	269819 610138216
66	56	DGND	↑	SHD	33	610138216
67	59	I/O 6	32 COAX	CC	34	269819 610138216
68	58	DGND	↑	SHD	34	610138216
69	60	RES 0	32 COAX	CC	35	269819 610138216
70	58	DGND	↑	SHD	35	610138216
71	61	I/O 4	32 COAX	CC	36	269819 610138216
72	62	DGND	↑	SHD	36	610138216
73	63	I/O 2	32 COAX	CC	37	269819 610138216
74	62	DGND	↑	SHD	37	610138216
75	64	TRIG 2	32 COAX	CC	38	269819 610138216
76	66	DGND	↑	SHD	38	610138216
77	65	I/O 0	32 COAX	CC	39	269819 610138216
78	66	DGND	↑	SHD	39	610138216
79	67	STROBE/TRIG 5	32 COAX	CC	40	269819 610138216
80	68	DGND	↑	SHD	40	610138216
1	Shields 2-34 are connected to each other					
2	Shields 36-68 are connected to each other					
3	Neither shield group is connected to the outer braid.					
4	**Note some cables exhibit shield group 2-34 and 36-68 beeping with each other, this is OK as long as they do NOT have continuity with the outer braid.					
	The shields from 2-68 and the outer braid are two separate ground planes					
	that get connected together once the cable is plugged into the NI card.					