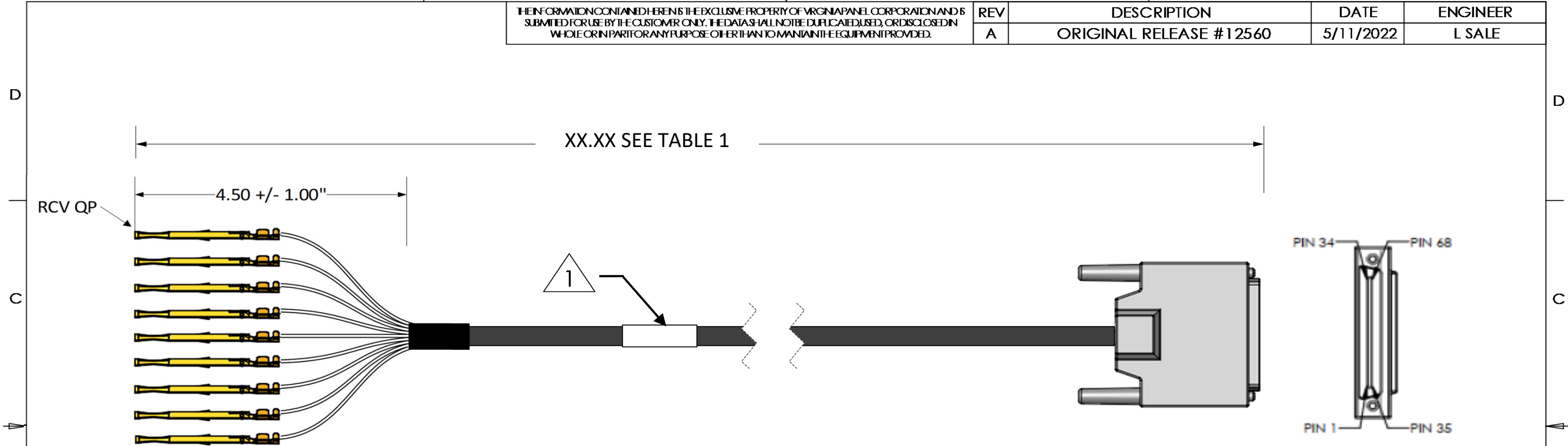


REV		DESCRIPTION	DATE	ENGINEER
A		ORIGINAL RELEASE #12560	5/11/2022	L SALE

THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF VIRGINIA PANEL CORPORATION AND IS SUBMITTED FOR USE BY THE CUSTOMER ONLY. THE DATA SHALL NOT BE DUPLICATED, USED, OR DISCLOSED IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN TO MAINTAIN THE EQUIPMENT PROVIDED.



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 "VFL106124-XXX REV []"
NOTES:

DIMENSION DESIGNATOR LABELS PER ES6 UNLESS OTHERWISE SPECIFIED.		TORQUE ALL SCREWS PER ES2 UNLESS OTHERWISE SPECIFIED.		 Virginia Panel Corporation		
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		
		TOLERANCES UNLESS SPECIFIED				
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET	3.50 +/- 1.00	NOMINAL LENGTH	TOLERANCE	DWG.NO. VFL106124		REV A
		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 SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS CENTERED	4.50 +/- 1.00	120.00 - 299.99"	+6.00/-1.00	SIZE B		SCALE NONE
		300.00" - UP	+5 %/-1.00			
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	5.50 +/- 1.00			SHEET 1 OF 1		

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
1	65	AI 2	30 T/P	WHITE/BLACK	1	610138216
2	31	AI 10	↑	BLACK/WHITE	1	610138216
3	64	AI GND	30	SHIELD 1	-	610138216
4	63	AI 11	30 T/P	WHITE/BROWN	2	610138216
5	30	AI 3	↑	BROWN/WHITE	2	610138216
6	29	AI GND	30	SHIELD 2	-	610138216
7	57	AI 7	30 T/P	WHITE/RED	3	610138216
8	23	AI 15	↑	RED/WHITE	3	610138216
9	56	AI GND	30	SHIELD 3	-	610138216
10	68	AI 0	30 T/P	WHITE/ORANGE	4	610138216
11	34	AI 8	↑	ORANGE/WHITE	4	610138216
12	67	AI GND	30	SHIELD 4	-	610138216
13	66	AI 9	30 T/P	WHITE/GREEN	5	610138216
14	33	AI 1	↑	GREEN/WHITE	5	610138216
15	32	AI GND	30	SHIELD 5	-	610138216
16	58	AI 14	30 T/P	WHITE/BLUE	6	610138216
17	25	AI 6	↑	BLUE/WHITE	6	610138216
18	24	AI GND	30	SHIELD 6	-	610138216
19	60	AI 5	30 T/P	WHITE/VIOLET	7	610138216
20	26	AI 13	↑	VIOLET/WHITE	7	610138216
21	59	AI GND	30	SHIELD 7	-	610138216
22	61	AI 12	30 T/P	WHITE/GRAY	8	610138216
23	28	AI 4	↑	GRAY/WHITE	8	610138216
24	27	AI GND	30	SHIELD 8	-	610138216
25	22	AO 0	30 T/P	BROWN/BLACK	9	610138216
26	54	AO GND	↑	BLACK/BROWN	9	610138216
27	21	AO 1	30 T/P	RED/BLACK	10	610138216
28	55	AO GND	↑	BLACK/RED	10	610138216
29	62	AI SENSE	30	WHITE/YELLOW	-	610138216
30	20	NC	30	RED/BLUE	-	610138216
31	53	D GND	30 T/P	BLACK/VIOLET	11	610138216
32	19	P0.4	↑	VIOLET/BLACK	11	610138216
33	52	P0.0	30 T/P	BLACK/BLUE	12	610138216
34	18	D GND	↑	BLUE/BLACK	12	610138216
35	51	P0.5	30 T/P	BLUE/GREEN	13	610138216
36	18	D GND	↑	GREEN/BLUE	13	610138216
37	50	D GND	30 T/P	BLACK/GREEN	14	610138216
38	17	P0.1	↑	GREEN/BLACK	14	610138216
39	50	D GND	30 T/P	VIOLET/ORANGE	15	610138216
40	16	P0.6	↑	ORANGE/VIOLET	15	610138216
41	49	P0.2	30 T/P	BLACK/YELLOW	16	610138216
42	15	D GND	↑	YELLOW/BLACK	16	610138216
43	48	P0.7	30 T/P	GRAY/RED	17	610138216
44	15	D GND	↑	RED/GRAY	17	610138216
45	47	P0.3	30 T/P	YELLOW/ORANGE	18	610138216
46	13	D GND	↑	ORANGE/YELLOW	18	610138216
47	46	PFI 11/P2.3	30 T/P	BLACK/ORANGE	19	610138216
48	13	D GND	↑	ORANGE/BLACK	19	610138216
49	45	PFI 10/P2.2	30 T/P	BROWN/GRAY	20	610138216
50	12	D GND	↑	GRAY/BROWN	20	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
51	44	D GND	30 T/P	RED/ORANGE	21	610138216
52	11	PFI 0/P1.0	↑	ORANGE/RED	21	610138216
53	44	D GND	30 T/P	PINK/BLACK	22	610138216
54	10	PFI 1/P1.1	↑	BLACK/PINK	22	610138216
55	43	PFI 2/P1.2	30 T/P	BROWN/VIOLET	23	610138216
56	9	D GND	↑	VIOLET/BROWN	23	610138216
57	42	PFI 3/P1.3	30 T/P	BROWN/BLUE	24	610138216
58	9	D GND	↑	BLUE/BROWN	24	610138216
59	41	PFI 4/P1.4	30 T/P	RED/YELLOW	25	610138216
60	7	D GND	↑	YELLOW/RED	25	610138216
61	40	PFI 13/P2.5	30 T/P	YELLOW/GREEN	26	610138216
62	7	D GND	↑	GREEN/YELLOW	26	610138216
63	35	D GND	30 T/P	BROWN/GREEN	27	610138216
64	6	PFI 5/P1.5	↑	GREEN/BROWN	27	610138216
65	39	PFI 15/P2.7	30 T/P	BROWN/YELLOW	28	610138216
66	7	D GND	↑	YELLOW/BROWN	28	610138216
67	4	D GND	30 T/P	ORANGE/GREEN	29	610138216
68	5	PFI 6/P1.6	↑	GREEN/ORANGE	29	610138216
69	38	PFI 7/P1.7	30 T/P	BROWN/ORANGE	30	610138216
70	4	D GND	↑	ORANGE/BROWN	30	610138216
71	37	PFI 8/P2.0	30 T/P	YELLOW/BLUE	31	610138216
72	4	D GND	↑	BLUE/YELLOW	31	610138216
73	36	D GND	30 T/P	ORANGE/BLUE	32	610138216
74	3	PFI 9/P2.1	↑	BLUE/ORANGE	32	610138216
75	36	D GND	30 T/P	BROWN/RED	33	610138216
76	2	PFI 12/P2.4	↑	RED/BROWN	33	610138216
77	35	D GND	30 T/P	BLACK/GRAY	34	610138216
78	1	PFI 14/P2.6	↑	GRAY/BLACK	34	610138216
79	8	+5 V	26	ORANGE/GRAY	-	610138216
80	14	+ 5V	26	VIOLET/RED	-	610138216
81	OUTER SHIELD	SHD	24	BLACK	-	610138216