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REV	DESCRIPTION	DATE	ENGINEER
A	ORIGINAL RELEASE #12560	4/8/2022	H. MORRIS

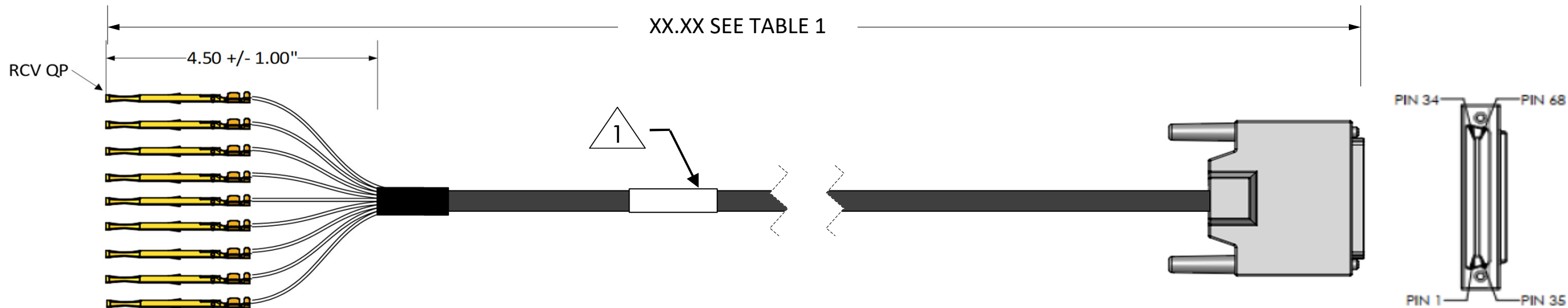


TABLE 1	
PART NUMBER	LENGTH
VFLXXXXXX-020	20"
VFLXXXXXX-036	36"
VFLXXXXXX-048	48"
VFLXXXXXX-060	60"
VFLXXXXXX-072	72"

68PN ML VHDCI OFFSET
MATING FACE

1 MARK IN APPROXIMATE AREA AS SHOWN "VFL101124-XXX REV []"
NOTES:

DIMENSION DESIGNATOR LABELS PER ES6 UNLESS OTHERWISE SPECIFIED.		TORQUE ALL SCREWS PER ES2 UNLESS OTHERWISE SPECIFIED.		 VFLSIG 68PN ML VHDCI TO QP	
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		DWG. NO. VFL101124	
		TOLERANCES UNLESS SPECIFIED			
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET	3.50 +/- 1.00	NOMINAL LENGTH	TOLERANCE	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	
		300.00" - UP	+5 %/-1.00		
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	5.50 +/- 1.00			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	CH23-	30 T/P	BROWN/BLUE	1	610138216
2	35	CH23+	↑	BLUE/BROWN	1	610138216
3	2	CH22-	30 T/P	BROWN/YELLOW	2	610138216
4	36	CH22+	↑	YELLOW/BROWN	2	610138216
5	3	CH21-	30 T/P	BROWN/ORANGE	3	610138216
6	37	CH21+	↑	ORANGE/BROWN	3	610138216
7	4	CH20-	30 T/P	BROWN/PINK	4	610138216
8	38	CH20+	↑	PINK/BROWN	4	610138216
9	5	CH19-	30 T/P	BROWN/GREEN	5	610138216
10	39	CH19+	↑	GREEN/BROWN	5	610138216
11	6	CH18-	30 T/P	BROWN/VIOLET	6	610138216
12	40	CH18+	↑	VIOLET/BROWN	6	610138216
13	7	GND	30 T/P	BROWN/GRAY	7	610138216
14	41	VOLTCOMP	↑	GRAY/BROWN	7	610138216
15	8	+5V	30 T/P	TAN/GRAY	8	610138216
16	42	SCANADV	↑	GRAY/TAN	8	610138216
17	9	OUT3-	30 T/P	ORANGE/VIOLET	9	610138216
18	43	OUT3+	↑	VIOLET/ORANGE	9	610138216
19	10	OUT2-	30 T/P	ORANGE/BLUE	10	610138216
20	44	OUT2+	↑	BLUE/ORANGE	10	610138216
21	11	CH17-	30 T/P	ORANGE/GREEN	11	610138216
22	45	CH17+	↑	GREEN/ORANGE	11	610138216
23	12	CH16-	30 T/P	ORANGE/YELLOW	12	610138216
24	46	CH16+	↑	YELLOW/ORANGE	12	610138216
25	13	CH15-	30 T/P	PINK/ORANGE	13	610138216
26	47	CH15+	↑	ORANGE/PINK	13	610138216
27	14	CH14-	30 T/P	PINK/YELLOW	14	610138216
28	48	CH14+	↑	YELLOW/PINK	14	610138216
29	15	CH13-	30 T/P	TAN/BROWN	15	610138216
30	49	CH13+	↑	BROWN/TAN	15	610138216
31	16	CH12-	30 T/P	TAN/PINK	16	610138216
32	50	CH12+	↑	PINK/TAN	16	610138216
33	17	AB2-	30 T/P	TAN/ORANGE	17	610138216
34	51	AB2+	↑	ORANGE/TAN	17	610138216
35	18	AB0-	30 T/P	TAN/GREEN	18	610138216
36	52	AB0+	↑	GREEN/TAN	18	610138216
37	19	CH11-	30 T/P	TAN/BLUE	19	610138216
38	53	CH11+	↑	BLUE/TAN	19	610138216
39	20	CH10-	30 T/P	TAN/YELLOW	20	610138216
40	54	CH10+	↑	YELLOW/TAN	20	610138216
41	21	CH9-	30 T/P	WHITE/YELLOW	21	610138216
42	55	CH9+	↑	YELLOW/WHITE	21	610138216
43	22	AISENSE	30 T/P	WHITE/BLUE	22	610138216
44	56	CHSGND	↑	BLUE/WHITE	22	610138216
45	23	CH8-	30 T/P	TAN/VIOLET	23	610138216
46	57	CH8+	↑	VIOLET/TAN	23	610138216
47	24	CH7-	30 T/P	WHITE/ORANGE	24	610138216
48	58	CH7+	↑	ORANGE/WHITE	24	610138216
49	25	CH6-	30 T/P	WHITE/PINK	25	610138216
50	59	CH6+	↑	PINK/WHITE	25	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
51	26	OUT1-	30 T/P	WHITE/GRAY	26	610138216
52	60	OUT1+	↑	GRAY/WHITE	26	610138216
53	27	OUT0-	30 T/P	WHITE/VIOLET	27	610138216
54	61	OUT0+	↑	VIOLET/WHITE	27	610138216
55	28	CH5-	30 T/P	WHITE/TAN	28	610138216
56	62	CH5+	↑	TAN/WHITE	28	610138216
57	29	CH4-	30 T/P	WHITE/BROWN	29	610138216
58	63	CH4+	↑	BROWN/WHITE	29	610138216
59	30	CH3-	30 T/P	WHITE/GREEN	30	610138216
60	64	CH3+	↑	GREEN/WHITE	30	610138216
61	31	CH2-	30 T/P	PINK/BLUE	31	610138216
62	65	CH2+	↑	BLUE/PINK	31	610138216
63	32	CH1-	30 T/P	PINK/GREEN	32	610138216
64	66	CH1+	↑	GREEN/PINK	32	610138216
65	33	CH0-	30 T/P	PINK/VIOLET	33	610138216
66	67	CH0+	↑	VIOLET/PINK	33	610138216
67	34	CJS0-	30 T/P	PINK/GRAY	34	610138216
68	68	CJS0+	↑	GRAY/PINK	34	610138216
69	SHIELD	SHIELD	24	BLACK	—	610138216