

REV		DESCRIPTION	DATE	ENGINEER
A		ORIGINAL RELEASE #13851	11/30/23	L SALE

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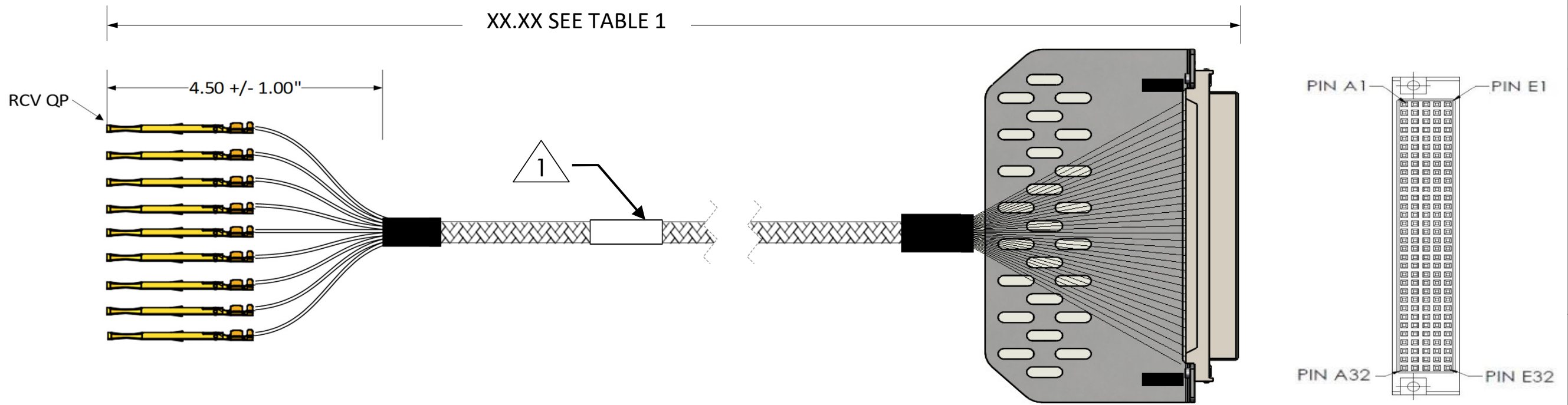


TABLE 1	
PART NUMBER	LENGTH
VFLXXXXXX-020	20"
VFLXXXXXX-036	36"
VFLXXXXXX-048	48"
VFLXXXXXX-060	60"
VFLXXXXXX-072	72"

160PN FIML DIN
MATING FACE

1 MARK IN APPROXIMATE AREA AS SHOWN "VFL103124-XXX REV []"
NOTES:

DIMENSION DESIGNATOR LABELS PER ES6 UNLESS OTHERWISE SPECIFIED.		TORQUE ALL SCREWS PER ES2 UNLESS OTHERWISE SPECIFIED.		 VPC 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 160PN DIN FML TO QP	
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET	3.50 +/- 1.00	TOLERANCES UNLESS SPECIFIED			
		NOMINAL LENGTH	TOLERANCE	DWG.NO. VFL103124	
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS CENTERED	4.50 +/- 1.00	0 - 11.99"	+1.00/-0.00		
		12.00 - 59.99"	+2.00/-1.00	REV A	
		60.00 - 119.99"	+4.00/-1.00		
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	5.50 +/- 1.00	120.00 - 299.99"	+6.00/-1.00	SIZE B	
		300.00" - UP	+5 %/-1.00		
				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	E1	-	24 T/P	WHT	1	610138216
2	E2	-	↑	BLK	1	610138216
3	E3	SERIAL_P4_DCD	24 T/P	WHT	2	610138216
4	E4	SERIAL_P4_RXD	↑	BLK	2	610138216
5	E5	SERIAL_P4_TXD	24 T/P	WHT	3	610138216
6	E6	SERIAL_P4_DTR	↑	BLK	3	610138216
7	E7	SERIAL_P4_GND	24 T/P	WHT	4	610138216
8	E8	SERIAL_P4_DSR	↑	BLK	4	610138216
9	E9	SERIAL_P4_RTS	24 T/P	WHT	5	610138216
10	E10	SERIAL_P4_CTS	↑	BLK	5	610138216
11	E11	NC	24 T/P	WHT	6	610138216
12	E12	-	↑	BLK	6	610138216
13	E13	-	24 T/P	WHT	7	610138216
14	E14	-	↑	BLK	7	610138216
15	E15	-	24 T/P	WHT	8	610138216
16	E16	-	↑	BLK	8	610138216
17	E17	-	24 T/P	WHT	9	610138216
18	E18	-	↑	BLK	9	610138216
19	E19	X1	24 T/P	WHT	10	610138216
20	E20	X34	↑	BLK	10	610138216
21	E21	X2	24 T/P	WHT	11	610138216
22	E22	X35	↑	BLK	11	610138216
23	E23	X3	24 T/P	WHT	12	610138216
24	E24	X36	↑	BLK	12	610138216
25	E25	X4	24 T/P	WHT	13	610138216
26	E26	X37	↑	BLK	13	610138216
27	E27	X5	24 T/P	WHT	14	610138216
28	E28	X38	↑	BLK	14	610138216
29	E29	X6	24 T/P	WHT	15	610138216
30	E30	X39	↑	BLK	15	610138216
31	E31	X7	24 T/P	WHT	16	610138216
32	E32	X40	↑	BLK	16	610138216
33	D1	X8	24 T/P	WHT	17	610138216
34	D2	X41	↑	BLK	17	610138216
35	D3	X9	24 T/P	WHT	18	610138216
36	D4	X42	↑	BLK	18	610138216
37	D5	X10	24 T/P	WHT	19	610138216
38	D6	X43	↑	BLK	19	610138216
39	D7	X11	24 T/P	WHT	20	610138216
40	D8	X44	↑	BLK	20	610138216
41	D9	X12	24 T/P	WHT	21	610138216
42	D10	X45	↑	BLK	21	610138216
43	D11	X13	24 T/P	WHT	22	610138216
44	D12	X46	↑	BLK	22	610138216
45	D13	X14	24 T/P	WHT	23	610138216
46	D14	X47	↑	BLK	23	610138216
47	D15	X15	24 T/P	WHT	24	610138216
48	D16	X48	↑	BLK	24	610138216
49	D17	X16	24 T/P	WHT	25	610138216
50	D18	X49	↑	BLK	25	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
51	D19	X17	24 T/P	WHT	26	610138216
52	D20	X50	↑	BLK	26	610138216
53	D21	X18	24 T/P	WHT	27	610138216
54	D22	X51	↑	BLK	27	610138216
55	D23	X19	24 T/P	WHT	28	610138216
56	D24	X52	↑	BLK	28	610138216
57	D25	X20	24 T/P	WHT	29	610138216
58	D26	X53	↑	BLK	29	610138216
59	D27	X21	24 T/P	WHT	30	610138216
60	D28	X54	↑	BLK	30	610138216
61	D29	X22	24 T/P	WHT	31	610138216
62	D30	X55	↑	BLK	31	610138216
63	D31	X23	24 T/P	WHT	32	610138216
64	D32	X56	↑	BLK	32	610138216
65	C1	X24	24 T/P	WHT	33	610138216
66	C2	X57	↑	BLK	33	610138216
67	C3	X25	24 T/P	WHT	34	610138216
68	C4	X58	↑	BLK	34	610138216
69	C5	X26	24 T/P	WHT	35	610138216
70	C6	X59	↑	BLK	35	610138216
71	C7	X27	24 T/P	WHT	36	610138216
72	C8	X60	↑	BLK	36	610138216
73	C9	X28	24 T/P	WHT	37	610138216
74	C10	X61	↑	BLK	37	610138216
75	C11	X29	24 T/P	WHT	38	610138216
76	C12	X62	↑	BLK	38	610138216
77	C13	X30	24 T/P	WHT	39	610138216
78	C14	X63	↑	BLK	39	610138216
79	C15	X31	24 T/P	WHT	40	610138216
80	C16	X64	↑	BLK	40	610138216
81	C17	X32	24 T/P	WHT	41	610138216
82	C18	X65	↑	BLK	41	610138216
83	C19	X33	24 T/P	WHT	42	610138216
84	C20	X66	↑	BLK	42	610138216
85	C21	X67	24 T/P	WHT	43	610138216
86	C22	X100	↑	BLK	43	610138216
87	C23	X68	24 T/P	WHT	44	610138216
88	C24	X101	↑	BLK	44	610138216
89	C25	X69	24 T/P	WHT	45	610138216
90	C26	X102	↑	BLK	45	610138216
91	C27	X70	24 T/P	WHT	46	610138216
92	C28	X103	↑	BLK	46	610138216
93	C29	X71	24 T/P	WHT	47	610138216
94	C30	X104	↑	BLK	47	610138216
95	C31	X72	24 T/P	WHT	48	610138216
96	C32	X105	↑	BLK	48	610138216
97	B1	X73	24 T/P	WHT	49	610138216
98	B2	X106	↑	BLK	49	610138216
99	B3	X74	24 T/P	WHT	50	610138216
100	B4	X107	↑	BLK	50	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
101	B5	X75	24 T/P	WHT	51	610138216
102	B6	X108	↑	BLK	51	610138216
103	B7	X76	24 T/P	WHT	52	610138216
104	B8	X109	↑	BLK	52	610138216
105	B9	X77	24 T/P	WHT	53	610138216
106	B10	X110	↑	BLK	53	610138216
107	B11	X78	24 T/P	WHT	54	610138216
108	B12	X111	↑	BLK	54	610138216
109	B13	X79	24 T/P	WHT	55	610138216
110	B14	X112	↑	BLK	55	610138216
111	B15	X80	24 T/P	WHT	56	610138216
112	B16	X113	↑	BLK	56	610138216
113	B17	X81	24 T/P	WHT	57	610138216
114	B18	X114	↑	BLK	57	610138216
115	B19	X82	24 T/P	WHT	58	610138216
116	B20	X115	↑	BLK	58	610138216
117	B21	X83	24 T/P	WHT	59	610138216
118	B22	X116	↑	BLK	59	610138216
119	B23	X84	24 T/P	WHT	60	610138216
120	B24	X117	↑	BLK	60	610138216
121	B25	X85	24 T/P	WHT	61	610138216
122	B26	X118	↑	BLK	61	610138216
123	B27	X86	24 T/P	WHT	62	610138216
124	B28	X119	↑	BLK	62	610138216
125	B29	X87	24 T/P	WHT	63	610138216
126	B30	X120	↑	BLK	63	610138216
127	B31	X88	24 T/P	WHT	64	610138216
128	B32	X121	↑	BLK	64	610138216
129	A1	X89	24 T/P	WHT	65	610138216
130	A2	X122	↑	BLK	65	610138216
131	A3	X90	24 T/P	WHT	66	610138216
132	A4	X123	↑	BLK	66	610138216
133	A5	X91	24 T/P	WHT	67	610138216
134	A6	X124	↑	BLK	67	610138216
135	A7	X92	24 T/P	WHT	68	610138216
136	A8	X125	↑	BLK	68	610138216
137	A9	X93	24 T/P	WHT	69	610138216
138	A10	X126	↑	BLK	69	610138216
139	A11	X94	24 T/P	WHT	70	610138216
140	A12	X127	↑	BLK	70	610138216
141	A13	X95	24 T/P	WHT	71	610138216
142	A14	X128	↑	BLK	71	610138216
143	A15	X96	24 T/P	WHT	72	610138216
144	A16	X129	↑	BLK	72	610138216
145	A17	X97	24 T/P	WHT	73	610138216
146	A18	X130	↑	BLK	73	610138216
147	A19	X98	24 T/P	WHT	74	610138216
148	A20	X131	↑	BLK	74	610138216
149	A21	X99	24 T/P	WHT	75	610138216
150	A22	X132	↑	BLK	75	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	To Location (Conn-Pin)
151	A23	NC	24 T/P	WHT	76	610138216
152	A24	Y1	↑	BLK	76	610138216
153	A25	NC	24 T/P	WHT	77	610138216
154	A26	Y2	↑	BLK	77	610138216
155	A27	NC	24 T/P	WHT	78	610138216
156	A28	Y3	↑	BLK	78	610138216
157	A29	NC	24 T/P	WHT	79	610138216
158	A30	Y4	↑	BLK	79	610138216
159	A31	NC	24 T/P	WHT	80	610138216
160	A32	SGND	↑	BLK	80	610138216