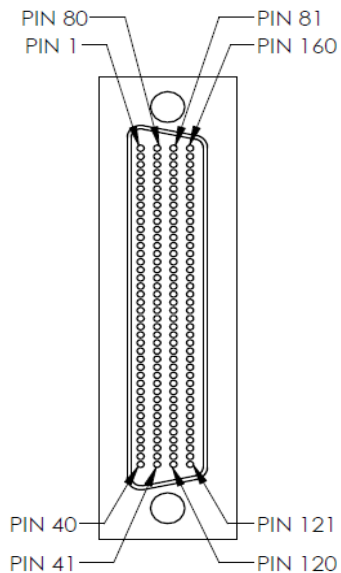


REV	DESCRIPTION	DATE	ENGINEER
A	ORIGINAL RELEASE #13851	11/28/23	L SALE

XX.XX SEE TABLE 1
TYPICAL



160PN FML LFH
MATING FACE

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

DIMENSION DESIGNATOR LABELS PER ES6 UNLESS OTHERWISE SPECIFIED.		TORQUE: ALL SCREWS PER ES2 UNLESS OTHERWISE SPECIFIED.		 VFLSIG 160PN LFH FML 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. VFL159124		
		TOLERANCES UNLESS SPECIFIED				
		NOMINAL LENGTH	TOLERANCE	SIZE B	SCALE NONE	
BUNDLE SIZE IS SMALLER THAN THE CONNECTOR ENVELOPE & STRAIN RELIEF IS OFFSET	3.50 +/- 1.00	0 - 11.99"	+1.00/-0.00			CAGE CODE 18117
		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			
BUNDLE SIZE IS LARGER THAN THE CONNECTOR ENVELOPE	5.50 +/- 1.00	300.00" - UP	+5 %/-1.00			

- 3 QUADRAPADDLE FLYING LEAD CONTACTS FOR EACH CABLE LEG. TYPICAL 8 PLACES.
- 2 MARK IN APPROXIMATE AREA AS SHOWN WITH CABLE LEG REFERENCE NUMBER.
EX: "CABLE LEG 1". TYPICAL 8 PLACES
- 1 MARK IN APPROXIMATE AREA AS SHOWN "VFL159124-XXX REV []"
- NOTES:

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	Cable Leg Group	To Location (Conn-Pin)
1	159	COM0-	28 T/P	WHT/BLU	1	1	610138216
2	160	COM0+	↑	BLU/WHT	1	1	610138216
3	157	CH0-	28 T/P	WHT/ORG	2	1	610138216
4	158	CH0+	↑	ORG/WHT	2	1	610138216
5	155	CH1-	28 T/P	WHT/GRN	3	1	610138216
6	156	CH1+	↑	GRN/WHT	3	1	610138216
7	153	CH2-	28 T/P	WHT/BRN	4	1	610138216
8	154	CH2+	↑	BRN/WHT	4	1	610138216
9	151	CH3-	28 T/P	WHT/GRY	5	1	610138216
10	152	CH3+	↑	GRY/WHT	5	1	610138216
11	82	COM1-	28 T/P	RED/BLU	6	1	610138216
12	81	COM1+	↑	BLU/RED	6	1	610138216
13	84	CH4-	28 T/P	RED/ORG	7	1	610138216
14	83	CH4+	↑	ORG/RED	7	1	610138216
15	86	CH5-	28 T/P	RED/GRN	8	1	610138216
16	85	CH5+	↑	GRN/RED	8	1	610138216
17	88	CH6-	28 T/P	RED/BRN	9	1	610138216
18	87	CH6+	↑	BRN/RED	9	1	610138216
19	90	CH7-	28 T/P	RED/GRY	10	1	610138216
20	89	CH7+	↑	GRY/RED	10	1	610138216
21	161	Shield_GND1	28	SHLD	-	1	610138216
22	79	COM2-	28 T/P	WHT/BLU	11	2	610138216
23	80	COM2+	↑	BLU/WHT	11	2	610138216
24	77	CH8-	28 T/P	WHT/ORG	12	2	610138216
25	78	CH8+	↑	ORG/WHT	12	2	610138216
26	75	CH9-	28 T/P	WHT/GRN	13	2	610138216
27	76	CH9+	↑	GRN/WHT	13	2	610138216
28	73	CH10-	28 T/P	WHT/BRN	14	2	610138216
29	74	CH10+	↑	BRN/WHT	14	2	610138216
30	71	CH11-	28 T/P	WHT/GRY	15	2	610138216
31	72	CH11+	↑	GRY/WHT	15	2	610138216
32	2	COM3-	28 T/P	RED/BLU	16	2	610138216
33	1	COM3+	↑	BLU/RED	16	2	610138216
34	4	CH12-	28 T/P	RED/ORG	17	2	610138216
35	3	CH12+	↑	ORG/RED	17	2	610138216
36	6	CH13-	28 T/P	RED/GRN	18	2	610138216
37	5	CH13+	↑	GRN/RED	18	2	610138216
38	8	CH14-	28 T/P	RED/BRN	19	2	610138216
39	7	CH14+	↑	BRN/RED	19	2	610138216
40	10	CH15-	28 T/P	RED/GRY	20	2	610138216
41	9	CH15+	↑	GRY/RED	20	2	610138216
42	161	Shield_GND2	28	SHLD	-	2	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	Cable Leg Group	To Location (Conn-Pin)
43	149	COM4-	28 T/P	WHT/BLU	21	3	610138216
44	150	COM4+	↑	BLU/WHT	21	3	610138216
45	147	CH16-	28 T/P	WHT/ORG	22	3	610138216
46	148	CH16+	↑	ORG/WHT	22	3	610138216
47	145	CH17-	28 T/P	WHT/GRN	23	3	610138216
48	146	CH17+	↑	GRN/WHT	23	3	610138216
49	143	CH18-	28 T/P	WHT/BRN	24	3	610138216
50	144	CH18+	↑	BRN/WHT	24	3	610138216
51	141	CH19-	28 T/P	WHT/GRY	25	3	610138216
52	142	CH19+	↑	GRY/WHT	25	3	610138216
53	92	COM5-	28 T/P	RED/BLU	26	3	610138216
54	91	COM5+	↑	BLU/RED	26	3	610138216
55	94	CH20-	28 T/P	RED/ORG	27	3	610138216
56	93	CH20+	↑	ORG/RED	27	3	610138216
57	96	CH21-	28 T/P	RED/GRN	28	3	610138216
58	95	CH21+	↑	GRN/RED	28	3	610138216
59	98	CH22-	28 T/P	RED/BRN	29	3	610138216
60	97	CH22+	↑	BRN/RED	29	3	610138216
61	100	CH23-	28 T/P	RED/GRY	30	3	610138216
62	99	CH23+	↑	GRY/RED	30	3	610138216
63	161	Shield_GND3	28	SHLD	-	3	610138216
64	69	COM6-	28 T/P	WHT/BLU	31	4	610138216
65	70	COM6+	↑	BLU/WHT	31	4	610138216
66	67	CH24-	28 T/P	WHT/ORG	32	4	610138216
67	68	CH24+	↑	ORG/WHT	32	4	610138216
68	65	CH25-	28 T/P	WHT/GRN	33	4	610138216
69	66	CH25+	↑	GRN/WHT	33	4	610138216
70	63	CH26-	28 T/P	WHT/BRN	34	4	610138216
71	64	CH26+	↑	BRN/WHT	34	4	610138216
72	61	CH27-	28 T/P	WHT/GRY	35	4	610138216
73	62	CH27+	↑	GRY/WHT	35	4	610138216
74	12	COM7-	28 T/P	RED/BLU	36	4	610138216
75	11	COM7+	↑	BLU/RED	36	4	610138216
76	14	CH28-	28 T/P	RED/ORG	37	4	610138216
77	13	CH28+	↑	ORG/RED	37	4	610138216
78	16	CH29-	28 T/P	RED/GRN	38	4	610138216
79	15	CH29+	↑	GRN/RED	38	4	610138216
80	18	CH30-	28 T/P	RED/BRN	39	4	610138216
81	17	CH30+	↑	BRN/RED	39	4	610138216
82	20	CH31-	28 T/P	RED/GRY	40	4	610138216
83	19	CH31+	↑	GRY/RED	40	4	610138216
84	161	Shield_GND4	28	shielded braid	-	4	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	Cable Leg Group	To Location (Conn-Pin)
85	139	COM8-	28 T/P	WHT/BLU	41	5	610138216
86	140	COM8+	↑	BLU/WHT	41	5	610138216
87	137	CH32-	28 T/P	WHT/ORG	42	5	610138216
88	138	CH32+	↑	ORG/WHT	42	5	610138216
89	135	CH33-	28 T/P	WHT/GRN	43	5	610138216
90	136	CH33+	↑	GRN/WHT	43	5	610138216
91	133	CH34-	28 T/P	WHT/BRN	44	5	610138216
92	134	CH34+	↑	BRN/WHT	44	5	610138216
93	131	CH35-	28 T/P	WHT/GRY	45	5	610138216
94	132	CH35+	↑	GRY/WHT	45	5	610138216
95	102	COM9-	28 T/P	RED/BLU	46	5	610138216
96	101	COM9+	↑	BLU/RED	46	5	610138216
97	104	CH36-	28 T/P	RED/ORG	47	5	610138216
98	103	CH36+	↑	ORG/RED	47	5	610138216
99	106	CH37-	28 T/P	RED/GRN	48	5	610138216
100	105	CH37+	↑	GRN/RED	48	5	610138216
101	108	CH38-	28 T/P	RED/BRN	49	5	610138216
102	107	CH38+	↑	BRN/RED	49	5	610138216
103	110	CH39-	28 T/P	RED/GRY	50	5	610138216
104	109	CH39+	↑	GRY/RED	50	5	610138216
105	162	Shield_GND5	28	SHLD	-	5	610138216
106	59	COM10-	28 T/P	WHT/BLU	51	6	610138216
107	60	COM10+	↑	BLU/WHT	51	6	610138216
108	57	CH40-	28 T/P	WHT/ORG	52	6	610138216
109	58	CH40+	↑	ORG/WHT	52	6	610138216
110	55	CH41-	28 T/P	WHT/GRN	53	6	610138216
111	56	CH41+	↑	GRN/WHT	53	6	610138216
112	53	CH42-	28 T/P	WHT/BRN	54	6	610138216
113	54	CH42+	↑	BRN/WHT	54	6	610138216
114	51	CH43-	28 T/P	WHT/GRY	55	6	610138216
115	52	CH43+	↑	GRY/WHT	55	6	610138216
116	22	COM11-	28 T/P	RED/BLU	56	6	610138216
117	21	COM11+	↑	BLU/RED	56	6	610138216
118	24	CH44-	28 T/P	RED/ORG	57	6	610138216
119	23	CH44+	↑	ORG/RED	57	6	610138216
120	26	CH45-	28 T/P	RED/GRN	58	6	610138216
121	25	CH45+	↑	GRN/RED	58	6	610138216
122	28	CH46-	28 T/P	RED/BRN	59	6	610138216
123	27	CH46+	↑	BRN/RED	59	6	610138216
124	30	CH47-	28 T/P	RED/GRY	60	6	610138216
125	29	CH47+	↑	GRY/RED	60	6	610138216
126	162	Shield_GND6	28	SHLD	-	6	610138216

Run #	From Location (Pin)	From Signal Desc	Wire AWG	Wire Color	Wire Group (PAIR)	Cable Leg Group	To Location (Conn-Pin)
127	129	COM12-	28 T/P	WHT/BLU	61	7	610138216
128	130	COM12+	↑	BLU/WHT	61	7	610138216
129	127	CH48-	28 T/P	WHT/ORG	62	7	610138216
130	128	CH48+	↑	ORG/WHT	62	7	610138216
131	125	CH49-	28 T/P	WHT/GRN	63	7	610138216
132	126	CH49+	↑	GRN/WHT	63	7	610138216
133	123	CH50-	28 T/P	WHT/BRN	64	7	610138216
134	124	CH50+	↑	BRN/WHT	64	7	610138216
135	121	CH51-	28 T/P	WHT/GRY	65	7	610138216
136	122	CH51+	↑	GRY/WHT	65	7	610138216
137	112	COM13-	28 T/P	RED/BLU	66	7	610138216
138	111	COM13+	↑	BLU/RED	66	7	610138216
139	114	CH52-	28 T/P	RED/ORG	67	7	610138216
140	113	CH52+	↑	ORG/RED	67	7	610138216
141	116	CH53-	28 T/P	RED/GRN	68	7	610138216
142	115	CH53+	↑	GRN/RED	68	7	610138216
143	118	CH54-	28 T/P	RED/BRN	69	7	610138216
144	117	CH54+	↑	BRN/RED	69	7	610138216
145	120	CH55-	28 T/P	RED/GRY	70	7	610138216
146	119	CH55+	↑	GRY/RED	70	7	610138216
147	162	Shield_GND7	28	SHLD	-	7	610138216
148	49	COM14-	28 T/P	WHT/BLU	71	8	610138216
149	50	COM14+	↑	BLU/WHT	71	8	610138216
150	47	CH56-	28 T/P	WHT/ORG	72	8	610138216
151	48	CH56+	↑	ORG/WHT	72	8	610138216
152	45	CH57-	28 T/P	WHT/GRN	73	8	610138216
153	46	CH57+	↑	GRN/WHT	73	8	610138216
154	43	CH58-	28 T/P	WHT/BRN	74	8	610138216
155	44	CH58+	↑	BRN/WHT	74	8	610138216
156	41	CH59-	28 T/P	WHT/GRY	75	8	610138216
157	42	CH59+	↑	GRY/WHT	75	8	610138216
158	32	COM15-	28 T/P	RED/BLU	76	8	610138216
159	31	COM15+	↑	BLU/RED	76	8	610138216
160	34	CH60-	28 T/P	RED/ORG	77	8	610138216
161	33	CH60+	↑	ORG/RED	77	8	610138216
162	36	CH61-	28 T/P	RED/GRN	78	8	610138216
163	35	CH61+	↑	GRN/RED	78	8	610138216
164	38	CH62-	28 T/P	RED/BRN	79	8	610138216
165	37	CH62+	↑	BRN/RED	79	8	610138216
166	40	CH63-	28 T/P	RED/GRY	80	8	610138216
167	39	CH63+	↑	GRY/RED	80	8	610138216
168	162	Shield_GND8	28	SHLD	-	8	610138216