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REV

DESCRIPTION

DATE

ENGINEER

A

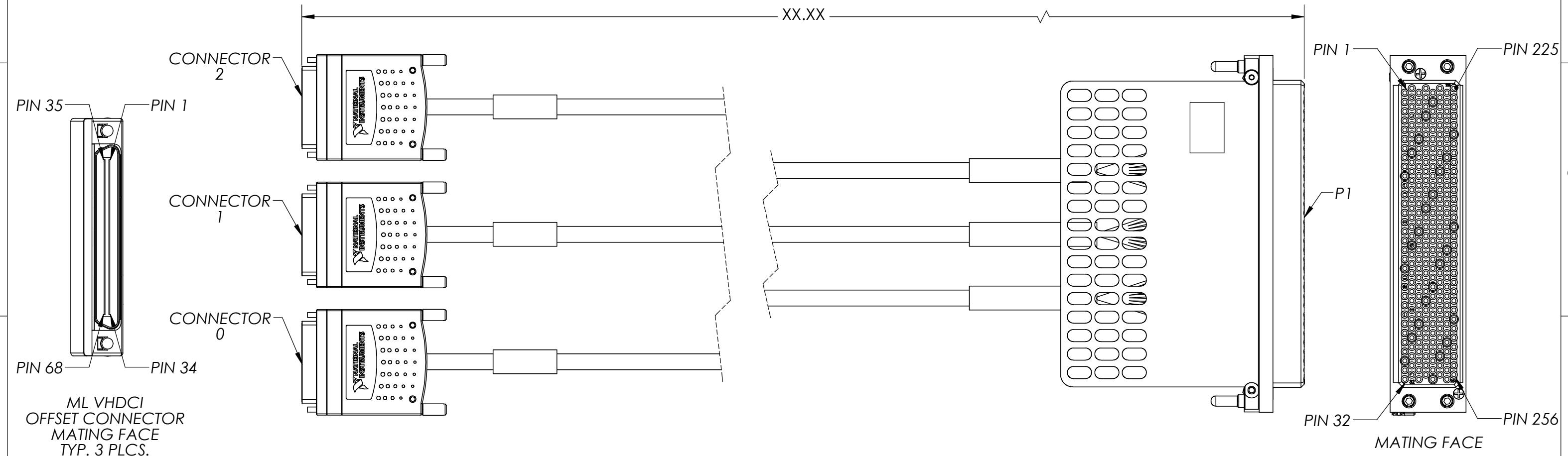
ORIGINAL RELEASE ECN #6671

4/7/16

L LOCKRIDGE

D

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- A
4. SEE SHEET 4 FOR NOTE.
3. MATING ITA MODULE: (1) 510108131
MATING ITA PATCHCORDS: (212) 7-105426000-036
(8) 7-105926000-036
2. THE FOLLOWING PIN LOCATIONS ARE NOT USED IN THE VPC MODULE:
10, 11, 42, 43, 74, 75, 106, 107, 138, 139, 169 - 171, 201- 203, 233 - 235
21, 22, 53, 54, 85, 86, 117, 118, 149, 150, 180 - 182, 212, 213, 244, 245

CUSTOMER DRAWING	
VPC P/N 540307020X05 WHERE X =	LENGTH "XX.XX"
1	20.00" [508]
2	36.00" [914]
6	48.00" [1219]
9	60.00" [1524]
5	72.00" [1829]
RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT	
DIMENSIONS ARE SHOWN AS: [MILLIMETERS] INCHES	
DWG.NO. 540307020X05	REV A
SIZE B	SCALE NONE
CAGE CODE 18117	SHEET 1 OF 4

Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc	
1	P1	1	610110167	WHT	1	CONNECTOR 2	1	AI 135	
2		33	610110167	WHT/BLK			35	AI 143	
3		2	610110167	RED			2	AI 142	
4		34	610110167	RED/BLK			36	AI 134	
5		3	610110167	YEL			3	AI 133	
6		35	610110167	YEL/BLK			37	AI 141	
7		4	610110167	GRN	4		4	AI 132	
8		36	610110167	GRN/BLK			38	AI 140	
9		5	610110167	BLU			5	AI 139	
10		37	610110167	BLU/WHT			39	AI 131	
11		6	610110167	BRN	5		6	AI 130	
12		38	610110167	BRN/WHT			40	AI 138	
13		7	610110167	ORG			7	AI 129	
14		39	610110167	ORG/BLK			41	AI 137	
15		8	610110167	GRY	8		8	AI 136	
16		40	610110167	GRY/BLK			42	AI 128	
17		9	610110167	VIO			9	AI GND	
18		41	610110167	VIO/WHT			43	AI GND	
19		65	610110167	PNK	10		10	AI 119	
20		97	610110167	PNK/BLK			44	AI 127	
21		66	610110167	LT BLU			11	AI 118	
22		98	610110167	LT BLU/BLK			45	AI 126	
23		67	610110167	LT GRN			12	AI 125	
24		99	610110167	LT GRN/BLK			46	AI 117	
25		68	610110167	WHT/RED			13	AI 116	
26		100	610110167	WHT/BLU			47	AI 124	
27		69	610110167	RED/WHT	14		14	AI 115	
28		101	610110167	RED/BLU			48	AI 123	
29		70	610110167	YEL/RED			15	AI 122	
30		102	610110167	YEL/BLU			49	AI 114	
31		71	610110167	GRN/WHT			16	AI 113	
32		103	610110167	LT GRN/BLU	15		50	AI 121	
33		72	610110167	GRY/RED			17	AI 112	
34		104	610110167	GRY/BLU			51	AI 120	

Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc	
35	P1	73	610110167	PNK/RED	18	CONNECTOR 2	18	AI 111	
36		105	610110167	PNK/BLU			52	AI 103	
37		129	610110167	LT BLU/RED			19	AI 102	
38		161	610110167	LT BLU/BLU	20		53	AI 110	
39		130	610110167	LT GRN/RED			20	AI 101	
40		162	610110167	GRN/BLU			54	AI 109	
41		131	610110167	WHT/YEL	21		21	AI 108	
42		163	610110167	WHT/GRN			55	AI 100	
43		132	610110167	GRY/YEL			22	AI GND	
44		164	610110167	GRY/GRN			56	AI SENSE 3	
45		133	610110167	PNK/YEL	23		23	AI 99	
46		165	610110167	PNK/WHT			57	AI 107	
47		134	610110167	LT BLU/YEL			24	AI 98	
48		166	610110167	LT BLU/GRN			58	AI 106	
49		135	610110167	LT GRN/YEL	25		25	AI 105	
50		167	610110167	LT GRN/GRN			59	AI 97	
51		136	610110167	BLU/BLK	26		26	AI 96	
52		168	610110167	VIO/BLK			60	AI 104	
53		193	610110167	BLK	27		27	AI 87	
54		225	610110167	BLK/WHT			61	AI 95	
55		194	610110167	YEL/WHT	28		28	AI 94	
56		226	610110167	ORG/WHT			62	AI 86	
57		195	610110167	LT BLU/WHT	29		29	AI 85	
58		227	610110167	LT GRN/WHT			63	AI 93	
59		196	610110167	GRY/WHT	30		30	AI 84	
60		228	610110167	VIO/YEL			64	AI 92	
61		197	610110167	VIO/RED	31		31	AI 91	
62		229	610110167	BLU/RED			65	AI 83	
63		198	610110167	ORG/BLU	32		32	AI 82	
64		230	610110167	VIO/BLU			66	AI 90	
65		199	610110167	YEL/BLU	33		33	AI 81	
66		231	610110167	ORG/GRN			67	AI 89	
67		200	610110167	VIO/BLU	34		34	AI 88	
68		232	610110167	PNK/BLU			68	AI 80	
69		137	610110167	OUTER SHIELD	SHIELD		SHELL	SHIELD	

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DWG.NO.	540307020X05	REV A
SIZE B	SCALE NONE	CAGE CODE 18117
SHEET 2 OF 4		

Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc	
70	P1	12	610110167	WHT	35	CONNECTOR 1	1	AI 71	
71		44	610110167	WHT/BLK			35	AI 79	
72		13	610110167	RED			2	AI 78	
73		45	610110167	RED/BLK			36	AI 70	
74		14	610110167	YEL			3	AI 69	
75		46	610110167	YEL/BLK			37	AI 77	
76		15	610110167	GRN	38		4	AI 68	
77		47	610110167	GRN/BLK			38	AI 76	
78		16	610110167	BLU			5	AI 75	
79		48	610110167	BLU/WHT			39	AI 67	
80		17	610110167	BRN			6	AI 66	
81		49	610110167	BRN/WHT			40	AI 74	
82		18	610110167	ORG	41		7	AI 65	
83		50	610110167	ORG/BLK			41	AI 73	
84		19	610110167	GRY			8	AI 72	
85		51	610110167	GRY/BLK			42	AI 64	
86		20	610110167	VIO			9	AI GND	
87		52	610110167	VIO/WHT			43	AI GND	
88		76	610110167	PNK	44		10	AI 55	
89		108	610110167	PNK/BLK			44	AI 63	
90		77	610110167	LT BLU			11	AI 54	
91		109	610110167	LT BLU/BLK			45	AI 62	
92		78	610110167	LT GRN			12	AI 61	
93		110	610110167	LT GRN/BLK			46	AI 53	
94		79	610110167	WHT/RED	47		13	AI 52	
95		111	610110167	WHT/BLU			47	AI 60	
96		80	610110167	RED/WHT			14	AI 51	
97		112	610110167	RED/BLU			48	AI 59	
98		81	610110167	YEL/RED			49	AI 58	
99		113	610110167	YEL/BLU			50	AI 50	
100		82	610110167	GRN/WHT	50		16	AI 49	
101		114	610110167	LT GRN/BLU			50	AI 57	
102		83	610110167	GRY/RED			17	AI 48	
103		115	610110167	GRY/BLU			51	AI 56	

Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc	
104	P1	84	610110167	PNK/RED	52	CONNECTOR 1	18	AI 47	
105		116	610110167	PNK/BLU			52	AI 39	
106		140	610110167	LT BLU/RED			19	AI 38	
107		172	610110167	LT BLU/BLU			53	AI 46	
108		141	610110167	LT GRN/RED			20	AI 37	
109		173	610110167	GRN/BLU			54	AI 45	
110		142	610110167	WHT/YEL	55		21	AI 44	
111		174	610110167	WHT/GRN			55	AI 36	
112		143	610110167	GRY/YEL			22	AI GND	
113		175	610110167	GRY/GRN			56	AI SENSE 2	
114		144	610110167	PNK/YEL			23	AI 35	
115		176	610110167	PNK/WHT			57	AI 43	
116		145	610110167	LT BLU/YEL	58		24	AI 34	
117		177	610110167	LT BLU/GRN			58	AI 42	
118		146	610110167	LT GRN/YEL			25	AI 41	
119		178	610110167	LT GRN/GRN			59	AI 33	
120		147	610110167	BLU/BLK	60		26	AI 32	
121		179	610110167	VIO/BLK			60	AI 40	
122		204	610110167	BLK			27	AI 23	
123		236	610110167	BLK/WHT			61	AI 31	
124		205	610110167	YEL/WHT	62		28	AI 30	
125		237	610110167	ORG/WHT			62	AI 22	
126		206	610110167	LT BLU/WHT			29	AI 21	
127		238	610110167	LT GRN/WHT	63		63	AI 29	
128		207	610110167	GRY/WHT			30	AI 20	
129		239	610110167	VIO/YEL			64	AI 28	
130		208	610110167	VIO/RED	65		31	AI 27	
131		240	610110167	BLU/RED			65	AI 19	
132		209	610110167	ORG/BLU	66		32	AI 18	
133		241	610110167	VIO/BLU			66	AI 26	
134		210	610110167	YEL/BLU	67		33	AI 17	
135		242	610110167	ORG/GRN			67	AI 25	
136		211	610110167	VIO/BLU	68		34	AI 24	
137		243	610110167	PNK/BLU			68	AI 16	
138		148	610110167	OUTER SHIELD	SHIELD		SHELL	SHIELD	

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DWG.NO.	540307020X05	REV A
SIZE B	SCALE NONE	CAGE CODE 18117
SHEET 3 OF 4		

Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc	Run #	From Connector	From Pin	Contact	Wire Color	T/P #	To Connector	To Pin	Signal Desc		
139	P1	23	610110167	WHITE/BLACK	69	CONNECTOR 0	65	AI 2	180	P1	186	610110167	BLACK/YELLOW	85	CONNECTOR 0	49	P0.2		
140		24	610110167	BLACK/WHITE			31	AI 10	181		187	610110167	YELLOW/BLACK			15	D GND		
141		25	610110167	SHIELD 1			64	AI GND	182		218	610110167	GRAY/RED	86		48	P0.7		
142		55	610110167	WHITE/BROWN			63	AI 11	183		219	610110167	RED/GRAY			15	D GND		
143		56	610110167	BROWN/WHITE			30	AI 3	184		250	610110167	YELLOW/ORANGE	87		47	P0.3		
144		57	610110167	SHIELD 2			29	AI GND	185		251	610110167	ORANGE/YELLOW			13	D GND		
145		87	610110167	WHITE/RED			57	AI 7	186		29	610110167	BLACK/ORANGE	88		46	PFI 11/P2.3		
146		88	610110167	RED/WHITE	71		23	AI 15	187		30	610110167	ORANGE/BLACK			13	D GND		
147		89	610110167	SHIELD 3			56	AI GND	188		61	610110167	BROWN/GRAY	89		45	PFI 10/P2.2		
148		119	610110167	WHITE/ORANGE			68	AI 0	189		62	610110167	GRAY/BROWN			12	D GND		
149		120	610110167	ORANGE/WHITE			34	AI 8	190		93	610110167	RED/ORANGE	90		44	D GND		
150		121	610110167	SHIELD 4			67	AI GND	191		94	610110167	ORANGE/RED			11	PFI D/P1.0		
151		151	610110167	WHITE/GREEN	73		66	AI 9	192		125	610110167	PINK/BLACK	91		44	D GND		
152		152	610110167	GREEN/WHITE			33	AI 1	193		126	610110167	BLACK/PINK			10	PFI 1/P1.1		
153		153	610110167	SHIELD 5			32	AI GND	194		157	610110167	BROWN/VIOLET	92		43	PFI 2/P1.2		
154		183	610110167	WHITE/BLUE			58	AI 14	195		158	610110167	VIOLET/BROWN			9	D GND		
155		184	610110167	BLUE/WHITE			25	AI 6	196		188	610110167	BROWN/BLUE	93		42	PFI 3/P1.3		
156		185	610110167	SHIELD 6			24	AI GND	197		189	610110167	BLUE/BROWN			9	D GND		
157		214	610110167	WHITE/VIOLET	75		60	AI 5	198		220	610110167	RED/YELLOW	94		41	PFI 4/P1.4		
158		215	610110167	VIOLET/WHITE			26	AI 13	199		221	610110167	YELLOW/RED			7	D GND		
159		216	610110167	SHIELD 7			59	AI GND	200		252	610110167	YELLOW/GREEN	95		40	PFI 13/P2.5		
160		246	610110167	WHITE/GRAY			61	AI 12	201		253	610110167	GREEN/YELLOW			7	D GND		
161		247	610110167	GRAY/WHITE			28	AI 4	202		31	610110167	BROWN/GREEN	96		35	D GND		
162		248	610110167	SHIELD 8			27	AI GND	203		32	610110167	GREEN/BROWN			6	PFI 5/P1.5		
163		217	610110167	BROWN/BLACK	77		22	A0 0	204		63	610110167	BROWN/YELLOW	97		39	PFI 15/P2.7		
164		249	610110167	BLACK/BROWN			54	A0 GND	205		64	610110167	YELLOW/BROWN			7	D GND		
165		26	610110167	RED/BLACK	78		21	A0 1	206		95	610110167	ORANGE/GREEN	98		4	D GND		
166		58	610110167	BLACK/RED			55	A0 GND 1	207		96	610110167	GREEN/ORANGE			5	PFI 6/P1.6		
167		90	610110167	WHITE/YELLOW			62	AI SENSE 1	208		127	610110167	BROWN/ORANGE	99		38	PFI 7/P1.7		
168		122	610110167	RED/BLUE			20	APFI 0	209		128	610110167	ORANGE/BROWN			4	D GND		
169		154	610110167	CORE SHIELD			54	A0 GND	210		159	610110167	YELLOW/BLUE	100		37	PFI 8/P2.0		
170		27	610110167	BLACK/VIOLET	79		53	D GND	211		160	610110167	BLUE/YELLOW			4	D GND		
171		28	610110167	VIOLET/BLACK			19	P0.4	212		190	610110167	ORANGE/BLUE	101		36	D GND		
172		59	610110167	BLACK/BLUE			52	P0.0	213		191	610110167	BLUE/ORANGE			3	PFI 9/P2.1		
173		60	610110167	BLUE/BLACK			18	D GND	214		222	610110167	BROWN/RED	102		36	D GND		
174		91	610110167	BLUE/GREEN	81		51	P0.5	215		223	610110167	RED/BROWN			2	PFI 12/P2.4		
175		92	610110167	GREEN/BLUE			18	D GND	216		254	610110167	BLACK/GRAY	103		35	D GND		
176		123	610110167	BLACK/GREEN			50	D GND	217		255	610110167	GRAY/BLACK			1	PFI 14/P2.6		
177		124	610110167	GREEN/BLACK	82		17	P0.1	218		192	610110167	ORANGE/GRAY			8	+5V		
178		155	610110167	VIOLET/ORANGE			50	D GND	219		224	610110167	VIOLET/RED			14	+5V		
179		156	610110167	ORANGE/VIOLET			16	P0.6	220		256	610110167	OUTER SHIELD			SHELL	SHIELD		

4. LIKE COLORED CELLS INDICATE MULTIPLE WIRES FROM THE SAME POSITION WITHIN THE VHDCI CONNECTOR.
NOTES:

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SIZE B	SCALE NONE	CAGE CODE 18117
SHEET 4 OF 4		