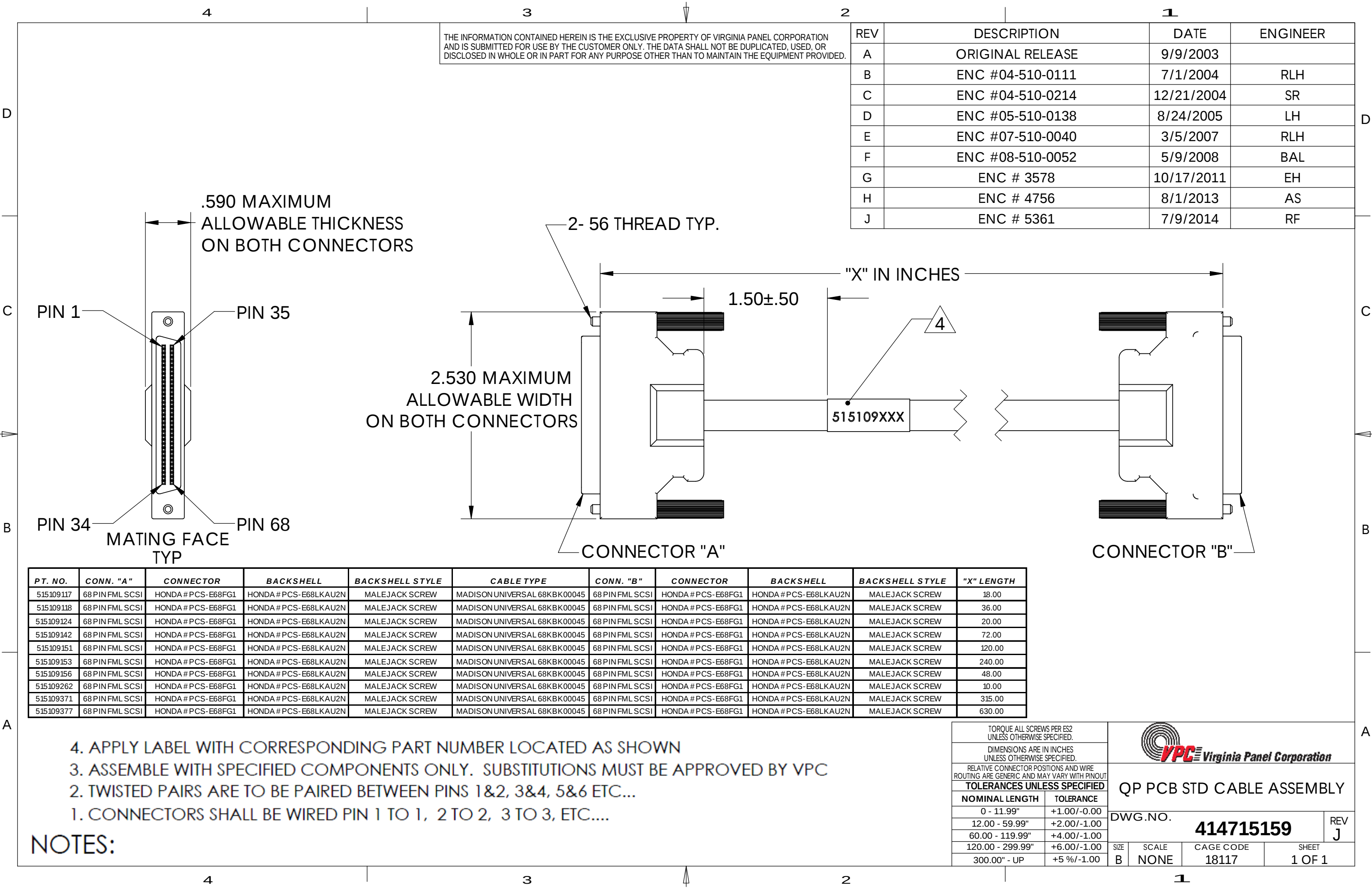




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REV	DESCRIPTION	DATE	ENGINEER
A	ORIGINAL RELEASE	9/9/2003	
B	ENC #04-510-0111	7/1/2004	RLH
C	ENC #04-510-0214	12/21/2004	SR
D	ENC #05-510-0138	8/24/2005	LH
E	ENC #07-510-0040	3/5/2007	RLH
F	ENC #08-510-0052	5/9/2008	BAL
G	ENC # 3578	10/17/2011	EH
H	ENC # 4756	8/1/2013	AS
J	ENC # 5361	7/9/2014	RF

PT. NO.	CONN. "A"	CONNECTOR	BACKSHELL	BACKSHELL STYLE	CABLE TYPE	CONN. "B"	CONNECTOR	BACKSHELL	BACKSHELL STYLE	"X" LENGTH
515109117	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	18.00
515109118	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	36.00
515109124	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	20.00
515109142	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	72.00
515109151	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	120.00
515109153	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	240.00
515109156	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	48.00
515109262	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	10.00
515109371	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	315.00
515109377	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	MADISON UNIVERSAL 68KBK00045	68 PIN FML SCSI	HONDA # PCS-E68FG1	HONDA # PCS-E68LKAU2N	MALEJACK SCREW	630.00

4. APPLY LABEL WITH CORRESPONDING PART NUMBER LOCATED AS SHOWN
3. ASSEMBLE WITH SPECIFIED COMPONENTS ONLY. SUBSTITUTIONS MUST BE APPROVED BY VPC
2. TWISTED PAIRS ARE TO BE PAIRED BETWEEN PINS 1&2, 3&4, 5&6 ETC...
1. CONNECTORS SHALL BE WIRED PIN 1 TO 1, 2 TO 2, 3 TO 3, ETC....

NOTES:

TORQUE ALL SCREWS PER ES2 UNLESS OTHERWISE SPECIFIED.

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT

TOLERANCES UNLESS SPECIFIED

NOMINAL LENGTH	TOLERANCE
0 - 11.99"	+1.00/-0.00
12.00 - 59.99"	+2.00/-1.00
60.00 - 119.99"	+4.00/-1.00
120.00 - 299.99"	+6.00/-1.00
300.00" - UP	+5 %/-1.00

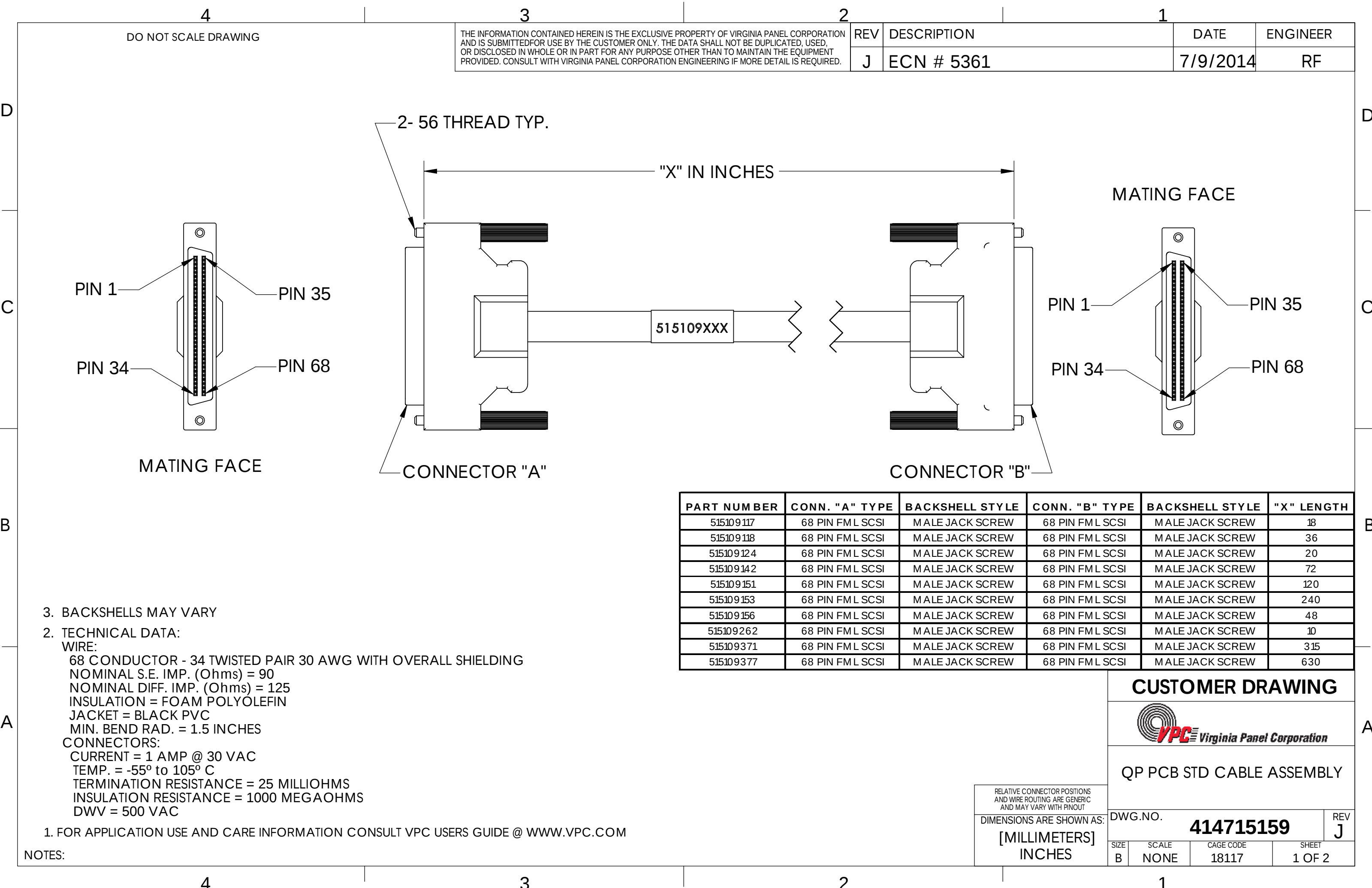
**VPC** Virginia Panel Corporation

QP PCB STD CABLE ASSEMBLY

DWG.NO. **414715159**

REV **J**

SIZE B	SCALE NONE	CAGE CODE 18117	SHEET 1 OF 1
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REV	DESCRIPTION	DATE	ENGINEER
J	ECN # 5361	7/9/2014	RF

PART NUMBER	CONN. "A" TYPE	BACKSHELL STYLE	CONN. "B" TYPE	BACKSHELL STYLE	"X" LENGTH
515109117	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	18
515109118	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	36
515109124	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	20
515109142	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	72
515109151	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	120
515109153	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	240
515109156	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	48
515109262	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	10
515109371	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	315
515109377	68 PIN F M L SCSI	MALE JACK SCREW	68 PIN F M L SCSI	MALE JACK SCREW	630

3. BACKSHELLS MAY VARY
2. TECHNICAL DATA:
- WIRE:
- 68 CONDUCTOR - 34 TWISTED PAIR 30 AWG WITH OVERALL SHIELDING
- NOMINAL S.E. IMP. (Ohms) = 90
- NOMINAL DIFF. IMP. (Ohms) = 125
- INSULATION = FOAM POLYOLEFIN
- JACKET = BLACK PVC
- MIN. BEND RAD. = 1.5 INCHES
- CONNECTORS:
- CURRENT = 1 AMP @ 30 VAC
- TEMP. = -55° to 105° C
- TERMINATION RESISTANCE = 25 MILLIOHMS
- INSULATION RESISTANCE = 1000 MEGAOHMS
- DWV = 500 VAC
1. FOR APPLICATION USE AND CARE INFORMATION CONSULT VPC USERS GUIDE @ WWW.VPC.COM

CUSTOMER DRAWING



QP PCB STD CABLE ASSEMBLY

RELATIVE CONNECTOR POSITIONS
AND WIRE ROUTING ARE GENERIC
AND MAY VARY WITH PINOUT

DIMENSIONS ARE SHOWN AS:

[MILLIMETERS]
INCHES

DWG.NO.		REV	
414715159		J	
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	1 OF 2

D

C

B

A

WIRE CHART

PIN NUMBER	CONNECTOR			
	A	B		
	1	1		TWISTED PAIR #1
	2	2		
	3	3		TWISTED PAIR #2
	4	4		
	5	5		TWISTED PAIR #3
	6	6		
	7	7		TWISTED PAIR #4
	8	8		
	9	9		TWISTED PAIR #5
	10	10		
	11	11		TWISTED PAIR #6
	12	12		
	13	13		TWISTED PAIR #7
	14	14		
	15	15		TWISTED PAIR #8
	16	16		
	17	17		TWISTED PAIR #9
	18	18		
	19	19		TWISTED PAIR #10
	20	20		
	21	21		TWISTED PAIR #11
	22	22		
	23	23		TWISTED PAIR #12
24	24			

PIN NUMBER	CONNECTOR		
	A	B	
	25	25	TWISTED PAIR #13
	26	26	
	27	27	TWISTED PAIR #14
	28	28	
	29	29	TWISTED PAIR #15
	30	30	
	31	31	TWISTED PAIR #16
	32	32	
	33	33	TWISTED PAIR #17
	34	34	
	35	35	TWISTED PAIR #18
	36	36	
	37	37	TWISTED PAIR #19
	38	38	
	39	39	TWISTED PAIR #20
	40	40	
	41	41	TWISTED PAIR #21
	42	42	
	43	43	TWISTED PAIR #22
	44	44	
	45	45	TWISTED PAIR #23
	46	46	
	47	47	TWISTED PAIR #24
	48	48	

PIN NUMBER	CONNECTOR			
	A	B		
	49	49		TWISTED PAIR #25
	50	50		
	51	51		TWISTED PAIR #26
	52	52		
	53	53		TWISTED PAIR #27
	54	54		
	55	55		TWISTED PAIR #28
	56	56		
	57	57		TWISTED PAIR #29
	58	58		
	59	59		TWISTED PAIR #30
	60	60		
	61	61		TWISTED PAIR #31
	62	62		
	63	63		TWISTED PAIR #32
	64	64		
	65	65		TWISTED PAIR #33
	66	66		
67	67	TWISTED PAIR #34		
68	68			

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DWG.NO.			REV
414715159			J
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	2 OF 2

DO NOT SCALE DRAWING