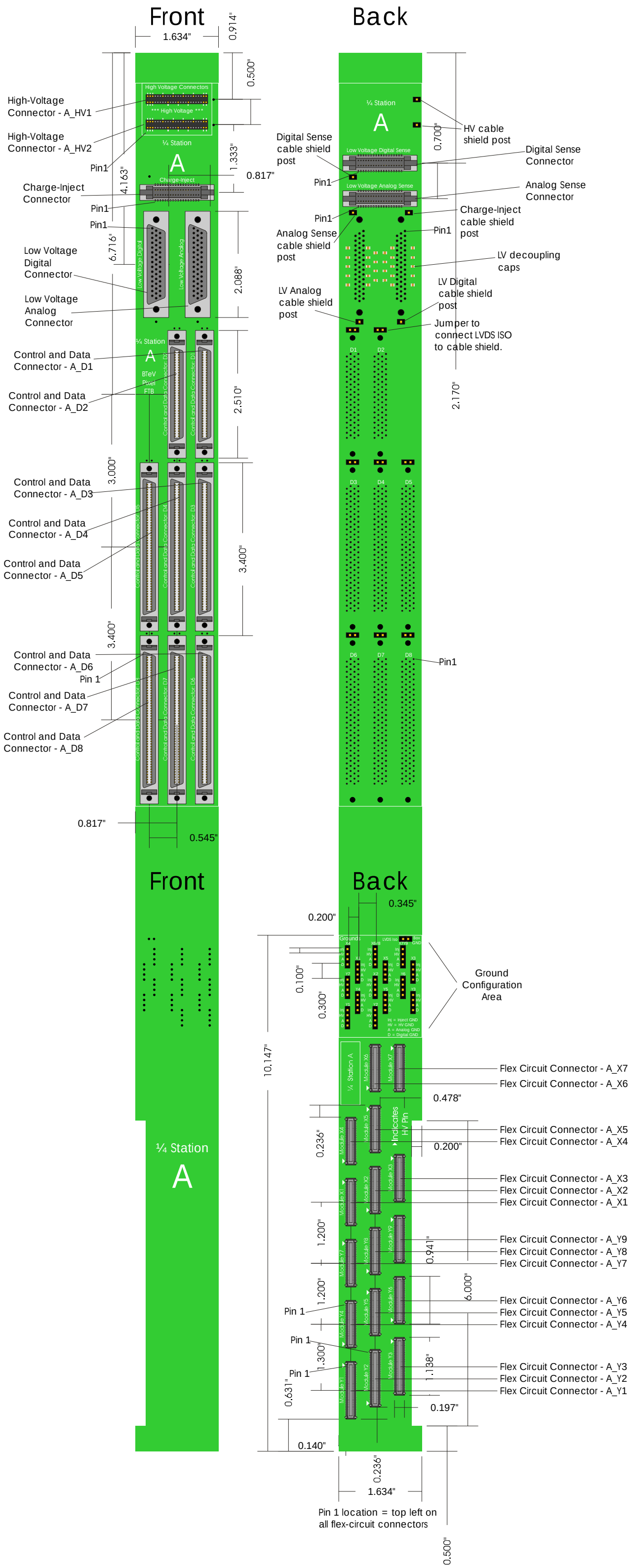
Front
Back
1.634"
0.914"
0.500"
High Voltage Connectors
*** High Voltage ***
High-Voltage Connector - A_HV1
High-Voltage Connector - A_HV2
Pin1
¼ Station
A
1.333"
0.817"
4.163"
Charge-Inject
Charge-Inject Connector
Pin1
Pin1
6.716"
Low Voltage Digital
Low Voltage Analog
Low Voltage Digital Connector
Low Voltage Analog Connector
2.088"
¼ Station
A
BTeV Pixel FTB
Control and Data Connector - A_D1
Control and Data Connector - A_D2
2.510"
3.000"
Control and Data Connector - A_D3
Control and Data Connector - A_D4
Control and Data Connector - A_D5
3.400"
3.400"
Control and Data Connector - A_D6
Pin 1
Control and Data Connector - A_D7
Control and Data Connector - A_D8
0.817"
0.545"
¼ Station
A
¼ Station
A
Low Voltage Digital Sense
Low Voltage Analog Sense
Digital Sense cable shield post
Pin1
Analog Sense cable shield post
Pin1
HV cable shield post
0.700"
Digital Sense Connector
Analog Sense Connector
Charge-Inject cable shield post
Pin1
LV decoupling caps
LV Analog cable shield post
LV Digital cable shield post
Jumper to connect LVDS ISO to cable shield.
D1
D2
D3
D4
D5
D6
D7
D8
Pin1
2.170"
Front
Back
0.345"
0.200"
Grounds
LVDS Iso
Box GND
0.100"
0.300"
Inj = Inject GND
HV = HV GND
A = Analog GND
D = Digital GND
Ground Configuration Area
10.147"
¼ Station A
Module X6
Module X7
Flex Circuit Connector - A_X7
Flex Circuit Connector - A_X6
0.478"
Indicates HV Pin
Module X5
Module X4
Flex Circuit Connector - A_X5
Flex Circuit Connector - A_X4
0.236"
0.200"
Module X3
Module X2
Module X1
Flex Circuit Connector - A_X3
Flex Circuit Connector - A_X2
Flex Circuit Connector - A_X1
1.200"
Module Y9
Module Y8
Module Y7
Flex Circuit Connector - A_Y9
Flex Circuit Connector - A_Y8
Flex Circuit Connector - A_Y7
0.941"
6.000"
1.200"
Module Y6
Module Y5
Module Y4
Flex Circuit Connector - A_Y6
Flex Circuit Connector - A_Y5
Flex Circuit Connector - A_Y4
Pin 1
Pin 1
1.300"
Pin 1
Module Y3
Module Y2
Module Y1
Flex Circuit Connector - A_Y3
Flex Circuit Connector - A_Y2
Flex Circuit Connector - A_Y1
1.138"
0.631"
0.197"
0.140"
0.236"
1.634"
Pin 1 location = top left on all flex-circuit connectors
0.500"