

D

C

B

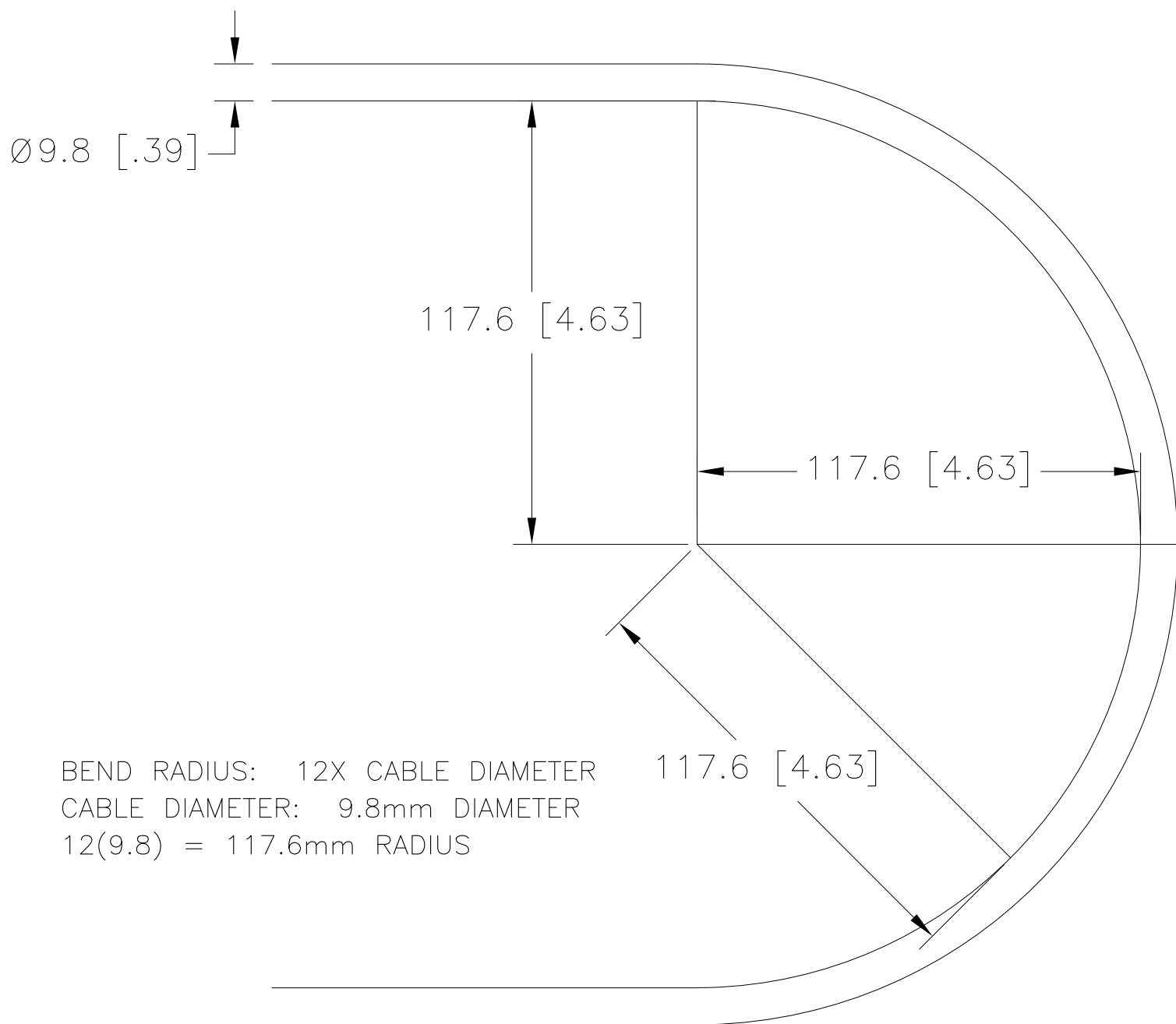
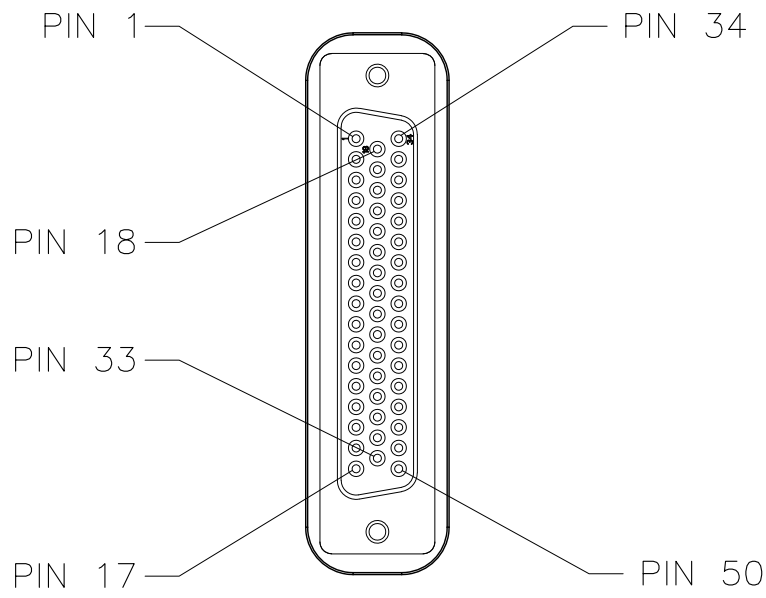
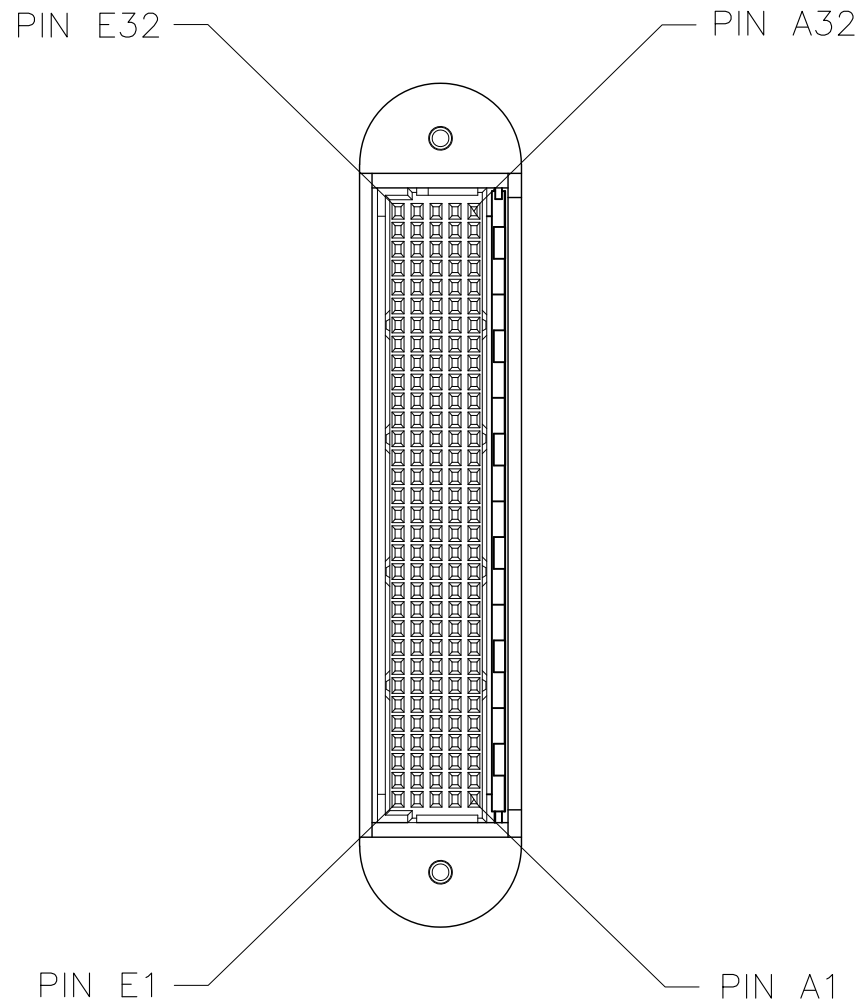
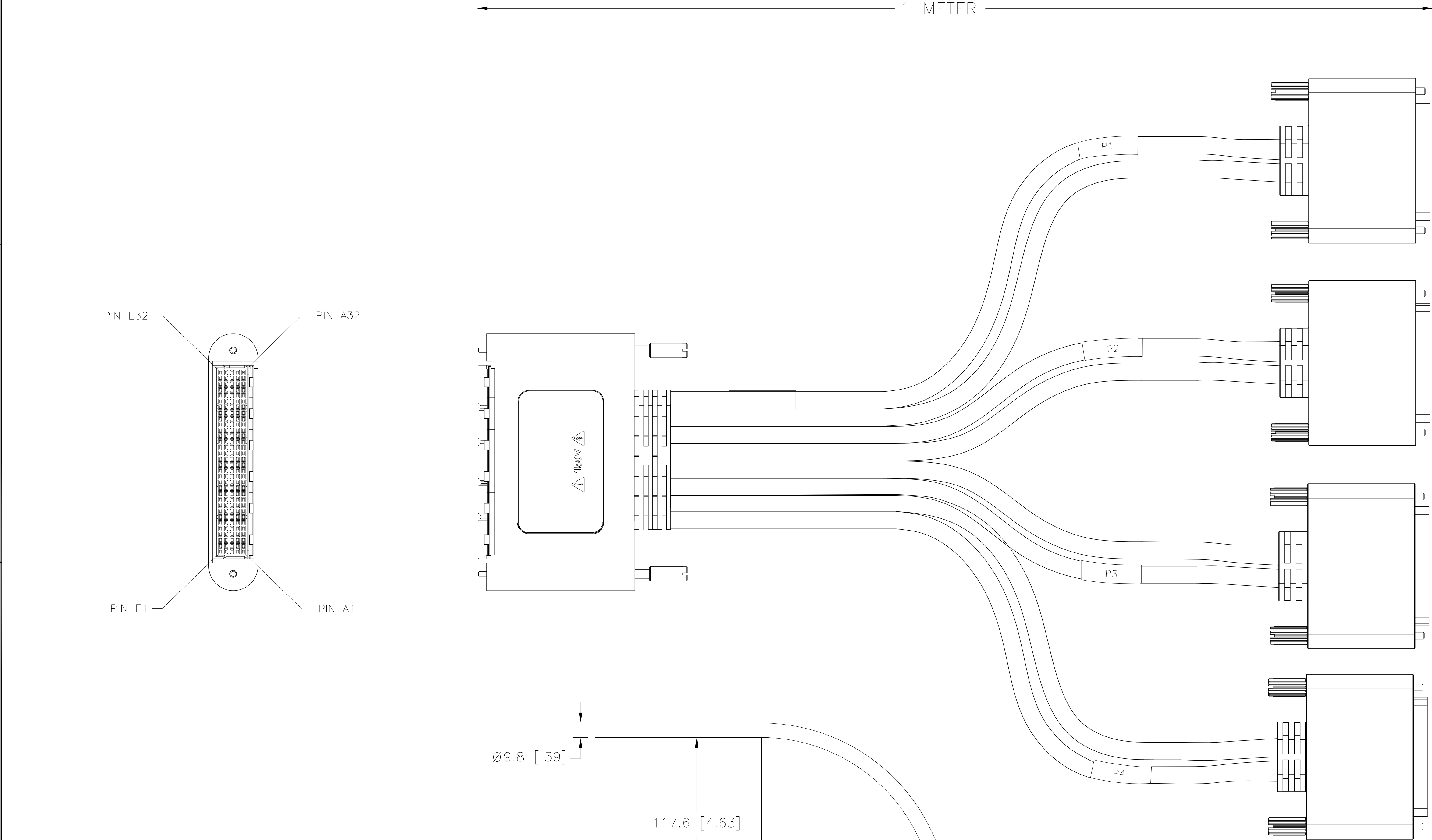
A

D

C

B

A



CONDUCTOR SPECIFICATIONS:

CONDUCTOR: 24 AWG [7/0.2mm] TINNED COPPER WIRE
INSULATION: .055 INCHES [1.4mm] DIAMETER OF PVC
BEND RADIUS: 12X CABLE DIAMETER (SEE EXAMPLE) PER SPECIFICATIONS
2014 NEC SECTION 300.34 CONDUCTOR BEND RADIUS
2014 NEC SECTION 300.24 BENDING RADIUS

1. REFER TO PRODUCT MANUAL ON NI.COM FOR MORE DETAILS.
NOTES: UNLESS OTHERWISE SPECIFIED.

BEND RADIUS EXAMPLE

TABLE 1	
LENGTH	TOLERANCE
<2M	+5 CM/-0 CM
2 TO 5M	+10 CM/-0 CM
>5M	+15 CM/-0 CM

METRIC

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
AND [INCHES]

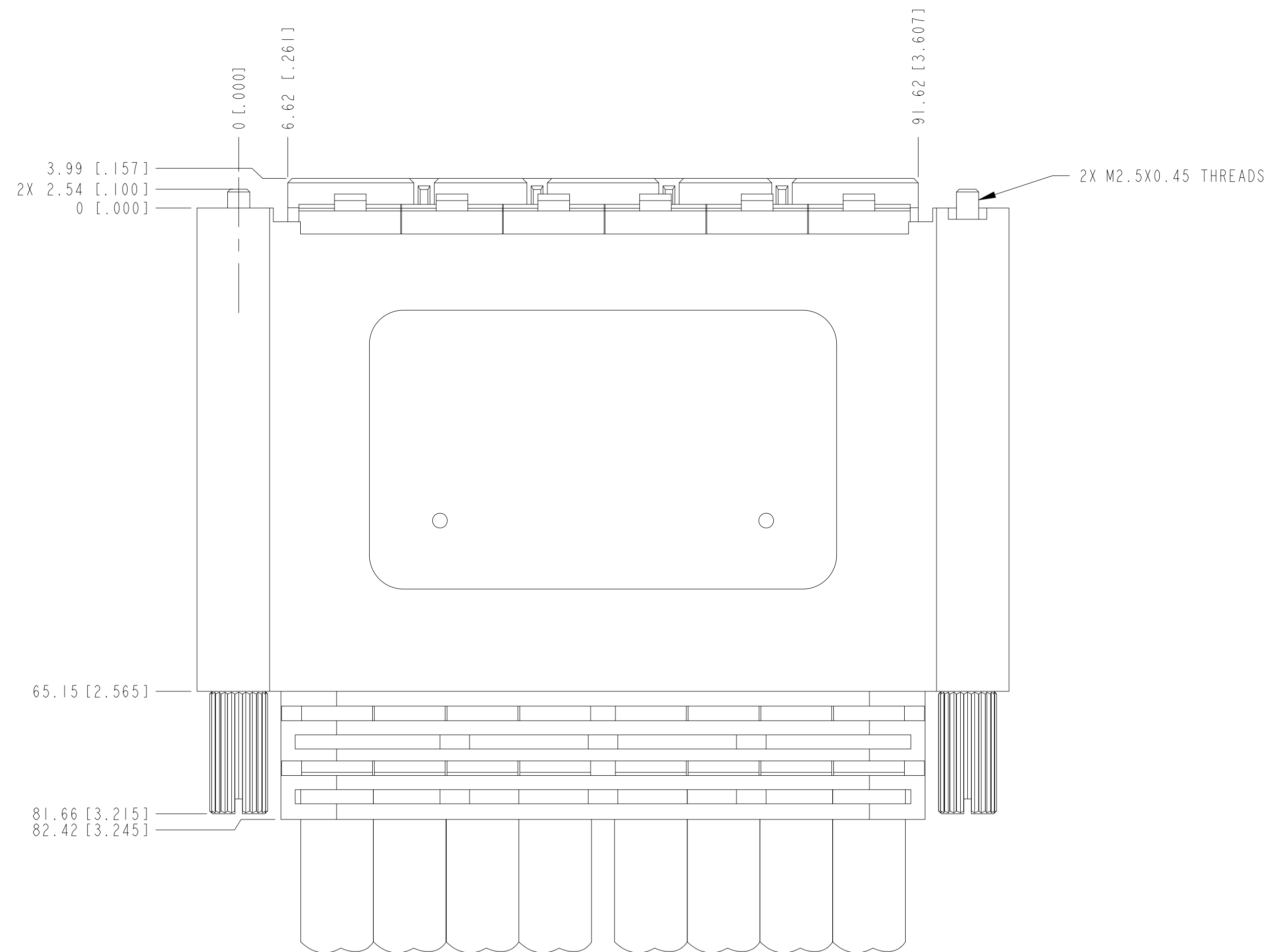
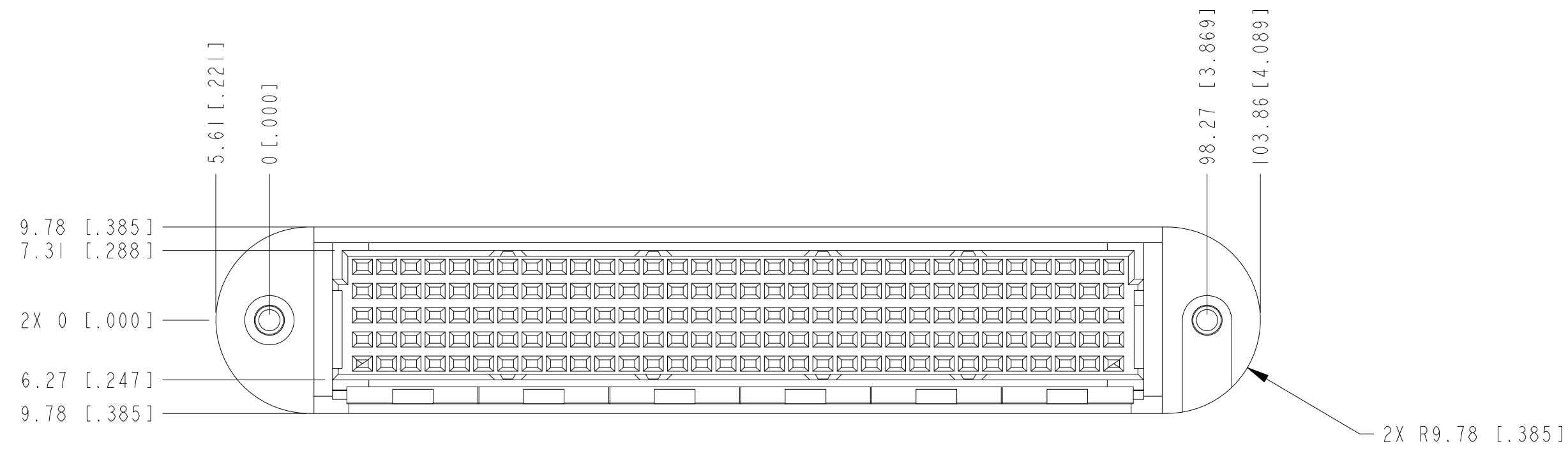
DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION

NI.COM
AUSTIN, TEXAS

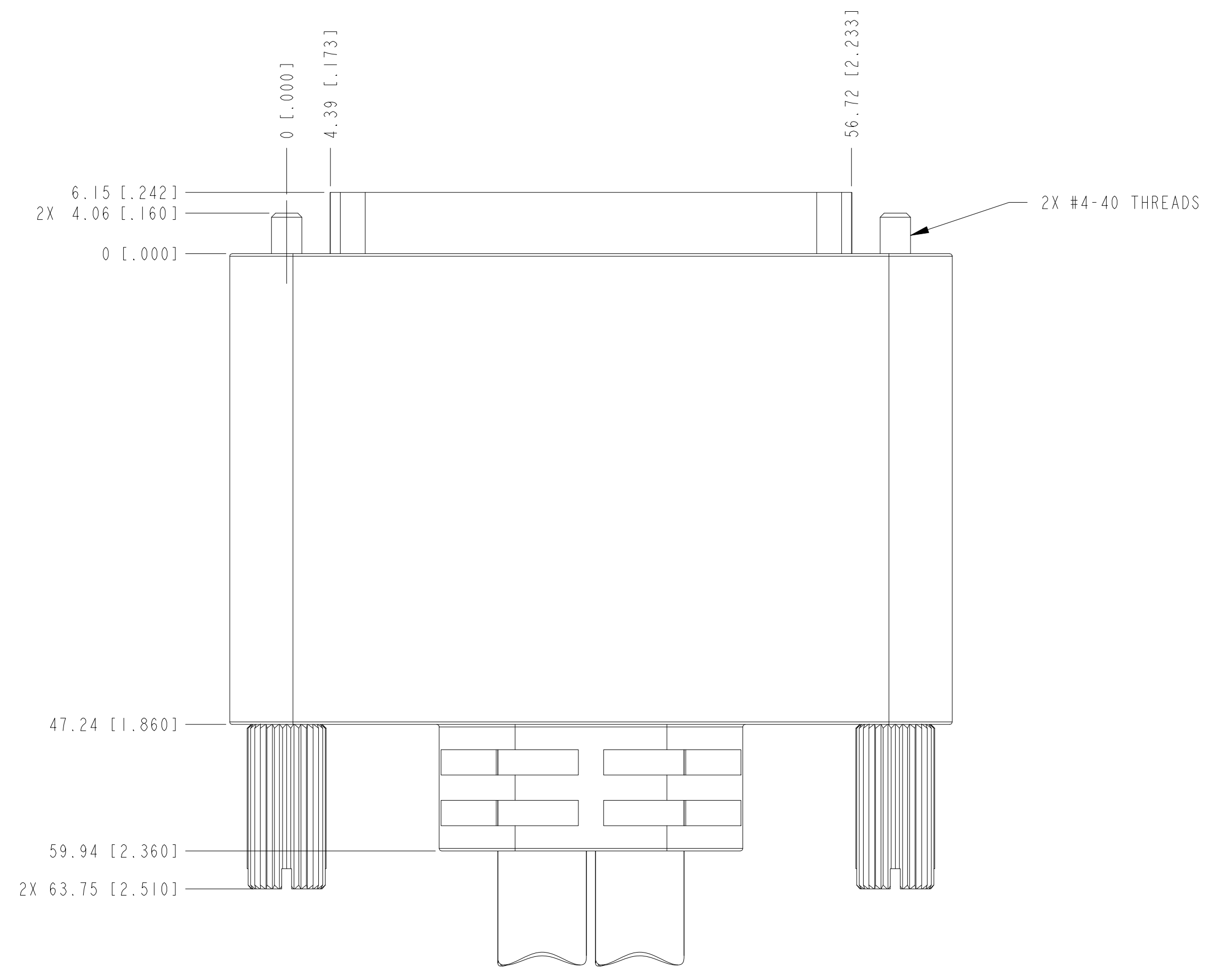
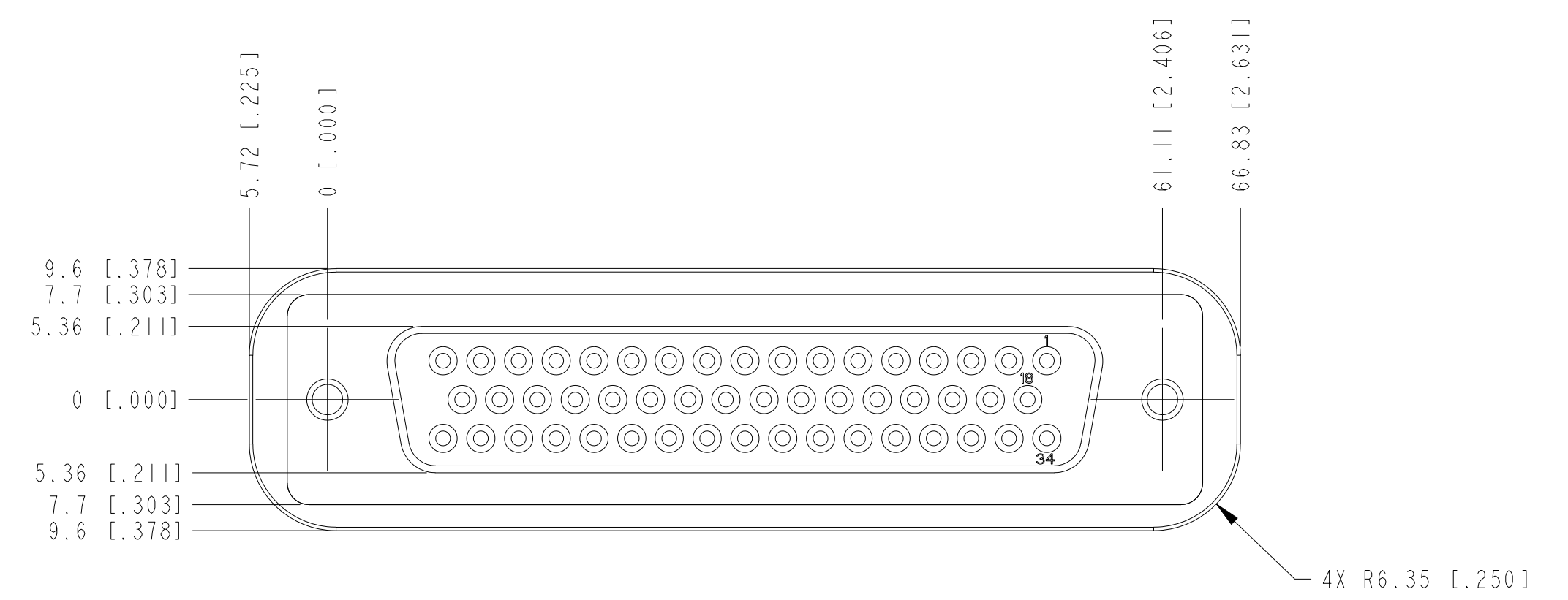
TITLE
CABLE ASSY, 160 POS DIN TO
4x50 POS DSUB, 150V, 24AWG,
TYPE SH160DIN-4XDB50F-2A

SIZE CODE IDENT NO. MM/DD/YYYY
D 7U296 09/07/2021

SCALE: NONE SHEET 1 OF 3



OVERMOLD ASSEMBLY, 160 POS DIN, FEMALE



OVERMOLD, 50 POS DSUB

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P4
A1	C1	BLACK	1
B1	C1	BROWN	2
C1	C1	RED	3
D1	C1	ORANGE	4
E1	C1	YELLOW	5
A2	C1	GREEN	6
B2	C1	BLUE	7
C2	C1	PURPLE	8
D2	C1	GRAY	9
E2	C1	WHITE	10
A3	C1	PINK	11
B3	C1	LIGHT GREEN	12
C3	C1	BLACK/WHITE	13
D3	C1	BROWN/WHITE	14
E3	C1	RED/WHITE	15
A4	C1	ORANGE/WHITE	16
B4	C1	GREEN/WHITE	17
C4	C1	BLUE/WHITE	18
D4	C1	PURPLE/WHITE	19
E4	C1	RED/BLACK	20
A5	C2	BLACK	21
B5	C2	BROWN	22
C5	C2	RED	23
D5	C2	ORANGE	24
E5	C2	YELLOW	25
A6	C2	GREEN	26
B6	C2	BLUE	27
C6	C2	PURPLE	28
D6	C2	GRAY	29
E6	C2	WHITE	30
A7	C2	PINK	31
B7	C2	LIGHT GREEN	32
C7	C2	BLACK/WHITE	33
D7	C2	BROWN/WHITE	34
E7	C2	RED/WHITE	35
A8	C2	ORANGE/WHITE	36
B8	C2	GREEN/WHITE	37
C8	C2	BLUE/WHITE	38
D8	C2	PURPLE/WHITE	39
E8	C2	RED/BLACK	40
—	—	NO CONNECT	41
—	—	NO CONNECT	42
—	—	NO CONNECT	43
—	—	NO CONNECT	44
—	—	NO CONNECT	45
—	—	NO CONNECT	46
—	—	NO CONNECT	47
—	—	NO CONNECT	48
—	—	NO CONNECT	49
—	—	NO CONNECT	50

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P3
A9	C3	BLACK	1
B9	C3	BROWN	2
C9	C3	RED	3
D9	C3	ORANGE	4
E9	C3	YELLOW	5
A10	C3	GREEN	6
B10	C3	BLUE	7
C10	C3	PURPLE	8
D10	C3	GRAY	9
E10	C3	WHITE	10
A11	C3	PINK	11
B11	C3	LIGHT GREEN	12
C11	C3	BLACK/WHITE	13
D11	C3	BROWN/WHITE	14
E11	C3	RED/WHITE	15
A12	C3	ORANGE/WHITE	16
B12	C3	GREEN/WHITE	17
C12	C3	BLUE/WHITE	18
D12	C3	PURPLE/WHITE	19
E12	C3	RED/BLACK	20
A13	C4	BLACK	21
B13	C4	BROWN	22
C13	C4	RED	23
D13	C4	ORANGE	24
E13	C4	YELLOW	25
A14	C4	GREEN	26
B14	C4	BLUE	27
C14	C4	PURPLE	28
D14	C4	GRAY	29
E14	C4	WHITE	30
A15	C4	PINK	31
B15	C4	LIGHT GREEN	32
C15	C4	BLACK/WHITE	33
D15	C4	BROWN/WHITE	34
E15	C4	RED/WHITE	35
A16	C4	ORANGE/WHITE	36
B16	C4	GREEN/WHITE	37
C16	C4	BLUE/WHITE	38
D16	C4	PURPLE/WHITE	39
E16	C4	RED/BLACK	40
—	—	NO CONNECT	41
—	—	NO CONNECT	42
—	—	NO CONNECT	43
—	—	NO CONNECT	44
—	—	NO CONNECT	45
—	—	NO CONNECT	46
—	—	NO CONNECT	47
—	—	NO CONNECT	48
—	—	NO CONNECT	49
—	—	NO CONNECT	50

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P2
A17	C5	BLACK	1
B17	C5	BROWN	2
C17	C5	RED	3
D17	C5	ORANGE	4
E17	C5	YELLOW	5
A18	C5	GREEN	6
B18	C5	BLUE	7
C18	C5	PURPLE	8
D18	C5	GRAY	9
E18	C5	WHITE	10
A19	C5	PINK	11
B19	C5	LIGHT GREEN	12
C19	C5	BLACK/WHITE	13
D19	C5	BROWN/WHITE	14
E19	C5	RED/WHITE	15
A20	C5	ORANGE/WHITE	16
B20	C5	GREEN/WHITE	17
C20	C5	BLUE/WHITE	18
D20	C5	PURPLE/WHITE	19
E20	C5	RED/BLACK	20
A21	C6	BLACK	21
B21	C6	BROWN	22
C21	C6	RED	23
D21	C6	ORANGE	24
E21	C6	YELLOW	25
A22	C6	GREEN	26
B22	C6	BLUE	27
C22	C6	PURPLE	28
D22	C6	GRAY	29
E22	C6	WHITE	30
A23	C6	PINK	31
B23	C6	LIGHT GREEN	32
C23	C6	BLACK/WHITE	33
D23	C6	BROWN/WHITE	34
E23	C6	RED/WHITE	35
A24	C6	ORANGE/WHITE	36
B24	C6	GREEN/WHITE	37
C24	C6	BLUE/WHITE	38
D24	C6	PURPLE/WHITE	39
E24	C6	RED/BLACK	40
—	—	NO CONNECT	41
—	—	NO CONNECT	42
—	—	NO CONNECT	43
—	—	NO CONNECT	44
—	—	NO CONNECT	45
—	—	NO CONNECT	46
—	—	NO CONNECT	47
—	—	NO CONNECT	48
—	—	NO CONNECT	49
—	—	NO CONNECT	50

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P1
A25	C7	BLACK	1
B25	C7	BROWN	2
C25	C7	RED	3
D25	C7	ORANGE	4
E25	C7	YELLOW	5
A26	C7	GREEN	6
B26	C7	BLUE	7
C26	C7	PURPLE	8
D26	C7	GRAY	9
E26	C7	WHITE	10
A27	C7	PINK	11
B27	C7	LIGHT GREEN	12
C27	C7	BLACK/WHITE	13
D27	C7	BROWN/WHITE	14
E27	C7	RED/WHITE	15
A28	C7	ORANGE/WHITE	16
B28	C7	GREEN/WHITE	17
C28	C7	BLUE/WHITE	18
D28	C7	PURPLE/WHITE	19
E28	C7	RED/BLACK	20
A29	C8	BLACK	21
B29	C8	BROWN	22
C29	C8	RED	23
D29	C8	ORANGE	24
E29	C8	YELLOW	25
A30	C8	GREEN	26
B30	C8	BLUE	27
C30	C8	PURPLE	28
D30	C8	GRAY	29
E30	C8	WHITE	30
A31	C8	PINK	31
B31	C8	LIGHT GREEN	32
C31	C8	BLACK/WHITE	33
D31	C8	BROWN/WHITE	34
E31	C8	RED/WHITE	35
A32	C8	ORANGE/WHITE	36
B32	C8	GREEN/WHITE	37
C32	C8	BLUE/WHITE	38
D32	C8	PURPLE/WHITE	39
E32	C8	RED/BLACK	40
—	—	NO CONNECT	41
—	—	NO CONNECT	42
—	—	NO CONNECT	43
—	—	NO CONNECT	44
—	—	NO CONNECT	45
—	—	NO CONNECT	46
—	—	NO CONNECT	47
—	—	NO CONNECT	48
—	—	NO CONNECT	49
—	—	NO CONNECT	50