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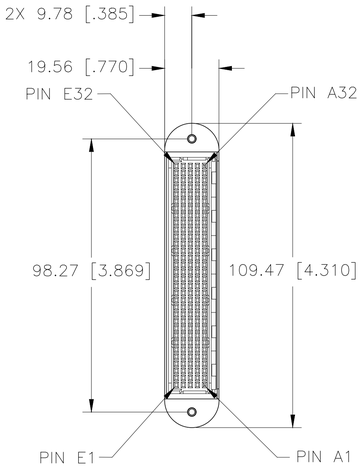

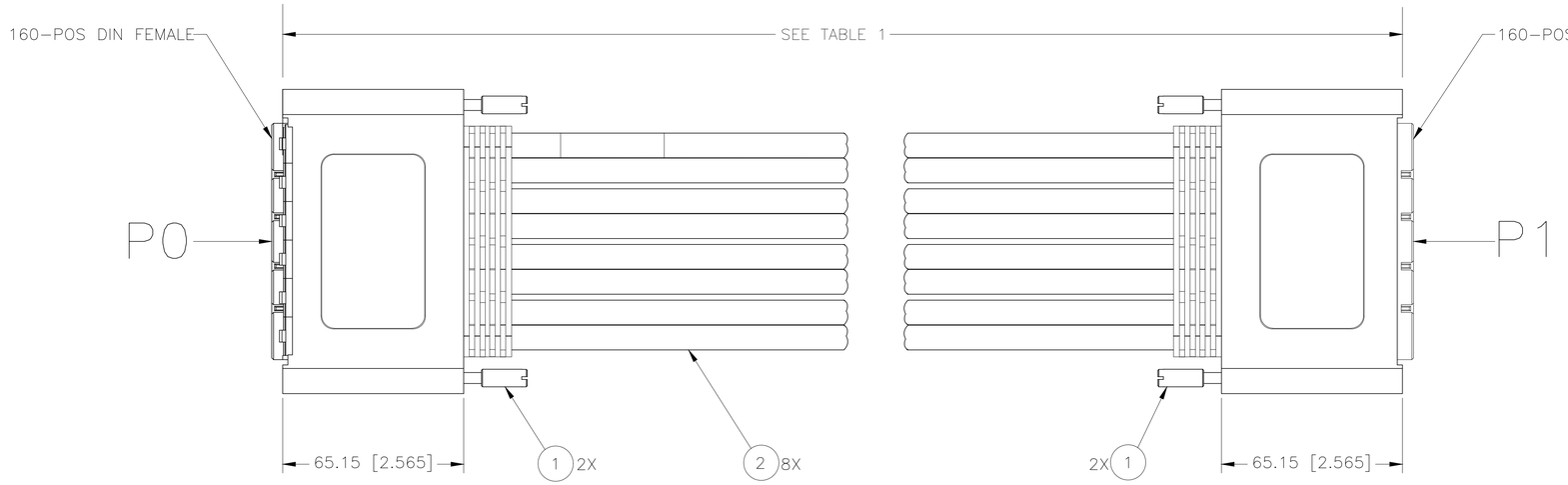

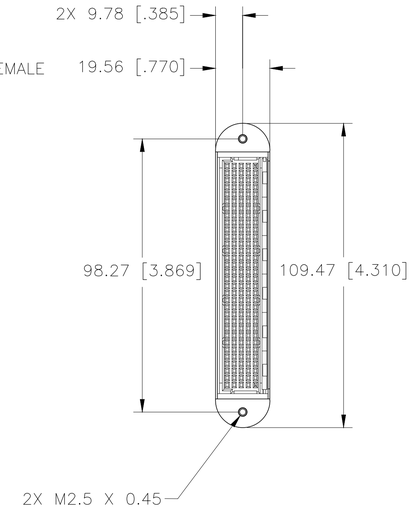

TABLE 1	
LENGTH	TOLERANCE
<2M	+2.5 CM/-0 CM
2 TO 5M	+5 CM/-0 CM
>5M	+10 CM/-0 CM

CONNECTORS AND HARDWARE	
REF DES	DESCRIPTION
P0, P1	160-POS DIN 41612 CONNECTOR, FEMALE
1	M2.5 X 0.45 THUMBSCREWS, METAL, PHILLIPS AND KNURLED

CABLE DETAILS				
REF DES	CONSTRUCTION	CONDUCTORS	INSULATION	JACKET
2	20 CONDUCTOR, WITH OVERALL SHIELD	24 AWG TINNED COPPER (7/0.2MM)	PVC, 1.4MM OD	PVC, BLACK, 9.80MM OD

1. REFER TO PRODUCT MANUAL ON NI.COM FOR MORE DETAILS.

NOTES: UNLESS OTHERWISE SPECIFIED.

METRIC

CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

NI.COM
AUSTIN, TEXAS

TITLE
SH160DIN-SH160DIN

SIZE	CODE IDENT NO.	MM/DD/YYYY
D	7U296	09/11/2026

SCALE: 1/1 SHEET 1 OF 2

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WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P1
A1	C1	BLACK	A1
B1	C1	BROWN	B1
C1	C1	RED	C1
D1	C1	ORANGE	D1
E1	C1	YELLOW	E1
A2	C1	GREEN	A2
B2	C1	BLUE	B2
C2	C1	PURPLE	C2
D2	C1	GRAY	D2
E2	C1	WHITE	E2
A3	C1	PINK	A3
B3	C1	LIGHT GREEN	B3
C3	C1	BLACK/WHITE	C3
D3	C1	BROWN/WHITE	D3
E3	C1	RED/WHITE	E3
A4	C1	ORANGE/WHITE	A4
B4	C1	GREEN/WHITE	B4
C4	C1	BLUE/WHITE	C4
D4	C1	PURPLE/WHITE	D4
E4	C1	RED/BLACK	E4
A5	C2	BLACK	A5
B5	C2	BROWN	B5
C5	C2	RED	C5
D5	C2	ORANGE	D5
E5	C2	YELLOW	E5
A6	C2	GREEN	A6
B6	C2	BLUE	B6
C6	C2	PURPLE	C6
D6	C2	GRAY	D6
E6	C2	WHITE	E6
A7	C2	PINK	A7
B7	C2	LIGHT GREEN	B7
C7	C2	BLACK/WHITE	C7
D7	C2	BROWN/WHITE	D7
E7	C2	RED/WHITE	E7
A8	C2	ORANGE/WHITE	A8
B8	C2	GREEN/WHITE	B8
C8	C2	BLUE/WHITE	C8
D8	C2	PURPLE/WHITE	D8
E8	C2	RED/BLACK	E8
A9	C3	BLACK	A9
B9	C3	BROWN	B9
C9	C3	RED	C9
D9	C3	ORANGE	D9
E9	C3	YELLOW	E9
A10	C3	GREEN	A10
B10	C3	BLUE	B10
C10	C3	PURPLE	C10
D10	C3	GRAY	D10
E10	C3	WHITE	E10
A11	C3	PINK	A11
B11	C3	LIGHT GREEN	B11
C11	C3	BLACK/WHITE	C11
D11	C3	BROWN/WHITE	D11

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P1
E11	C3	RED/WHITE	E11
A12	C3	ORANGE/WHITE	A12
B12	C3	GREEN/WHITE	B12
C12	C3	BLUE/WHITE	C12
D12	C3	PURPLE/WHITE	D12
E12	C3	RED/BLACK	E12
A13	C4	BLACK	A13
B13	C4	BROWN	B13
C13	C4	RED	C13
D13	C4	ORANGE	D13
E13	C4	YELLOW	E13
A14	C4	GREEN	A14
B14	C4	BLUE	B14
C14	C4	PURPLE	C14
D14	C4	GRAY	D14
E14	C4	WHITE	E14
A15	C4	PINK	A15
B15	C4	LIGHT GREEN	B15
C15	C4	BLACK/WHITE	C15
D15	C4	BROWN/WHITE	D15
E15	C4	RED/WHITE	E15
A16	C4	ORANGE/WHITE	A16
B16	C4	GREEN/WHITE	B16
C16	C4	BLUE/WHITE	C16
D16	C4	PURPLE/WHITE	D16
E16	C4	RED/BLACK	E16
A17	C5	BLACK	A17
B17	C5	BROWN	B17
C17	C5	RED	C17
D17	C5	ORANGE	D17
E17	C5	YELLOW	E17
A18	C5	GREEN	A18
B18	C5	BLUE	B18
C18	C5	PURPLE	C18
D18	C5	GRAY	D18
E18	C5	WHITE	E18
A19	C5	PINK	A19
B19	C5	LIGHT GREEN	B19
C19	C5	BLACK/WHITE	C19
D19	C5	BROWN/WHITE	D19
E19	C5	RED/WHITE	E19
A20	C5	ORANGE/WHITE	A20
B20	C5	GREEN/WHITE	B20
C20	C5	BLUE/WHITE	C20
D20	C5	PURPLE/WHITE	D20
E20	C5	RED/BLACK	E20
A21	C6	BLACK	A21
B21	C6	BROWN	B21
C21	C6	RED	C21
D21	C6	ORANGE	D21
E21	C6	YELLOW	E21
A22	C6	GREEN	A22
B22	C6	BLUE	B22
C22	C6	PURPLE	C22

WIRE LIST			
P0	CABLE	COLOR MAIN/STRIPE	P1
D22	C6	GRAY	D22
E22	C6	WHITE	E22
A23	C6	PINK	A23
B23	C6	LIGHT GREEN	B23
C23	C6	BLACK/WHITE	C23
D23	C6	BROWN/WHITE	D23
E23	C6	RED/WHITE	E23
A24	C6	ORANGE/WHITE	A24
B24	C6	GREEN/WHITE	B24
C24	C6	BLUE/WHITE	C24
D24	C6	PURPLE/WHITE	D24
E24	C6	RED/BLACK	E24
A25	C7	BLACK	A25
B25	C7	BROWN	B25
C25	C7	RED	C25
D25	C7	ORANGE	D25
E25	C7	YELLOW	E25
A26	C7	GREEN	A26
B26	C7	BLUE	B26
C26	C7	PURPLE	C26
D26	C7	GRAY	D26
E26	C7	WHITE	E26
A27	C7	PINK	A27
B27	C7	LIGHT GREEN	B27
C27	C7	BLACK/WHITE	C27
D27	C7	BROWN/WHITE	D27
E27	C7	RED/WHITE	E27
A28	C7	ORANGE/WHITE	A28
B28	C7	GREEN/WHITE	B28
C28	C7	BLUE/WHITE	C28
D28	C7	PURPLE/WHITE	D28
E28	C7	RED/BLACK	E28
A29	C8	BLACK	A29
B29	C8	BROWN	B29
C29	C8	RED	C29
D29	C8	ORANGE	D29
E29	C8	YELLOW	E29
A30	C8	GREEN	A30
B30	C8	BLUE	B30
C30	C8	PURPLE	C30
D30	C8	GRAY	D30
E30	C8	WHITE	E30
A31	C8	PINK	A31
B31	C8	LIGHT GREEN	B31
C31	C8	BLACK/WHITE	C31
D31	C8	BROWN/WHITE	D31
E31	C8	RED/WHITE	E31
A32	C8	ORANGE/WHITE	A32
B32	C8	GREEN/WHITE	B32
C32	C8	BLUE/WHITE	C32
D32	C8	PURPLE/WHITE	D32
E32	C8	RED/BLACK	E32

SIZE	CODE IDENT NO.	MM/DD/YYYY
D	7U296	09/11/2026
SCALE: 1/1		SHEET 2 OF 2