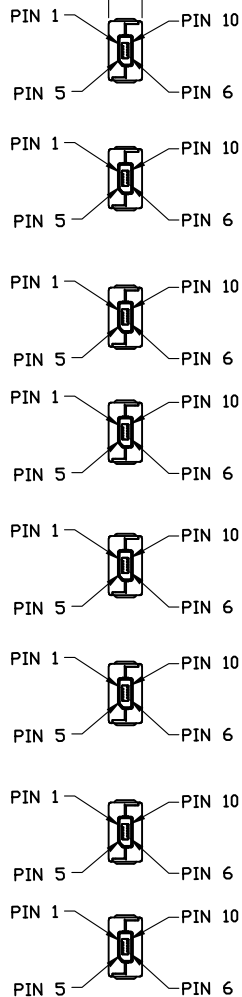


D  
C  
B  
A

9.2 [.36]



17.5 [.69]

P1

P2

P3

P4

P5

P6

P7

P8

28.6 [1.13]

2 8X

HEAT SHRINK TUBING BROWN

HEAT SHRINK TUBING RED

HEAT SHRINK TUBING ORANGE

HEAT SHRINK TUBING YELLOW

HEAT SHRINK TUBING BLUE

HEAT SHRINK TUBING VIOLET

HEAT SHRINK TUBING GREY

HEAT SHRINK TUBING WHITE

SEE TABLE 1

2X 14.0 [.55]

COMPLIANCE LABEL

INFORMATION LABEL

BRAIDED SLEEVE

BRAIDED SLEEVE

HEAT SHRINK TUBING BLUE

1 2X

HEAT SHRINK TUBING BLUE

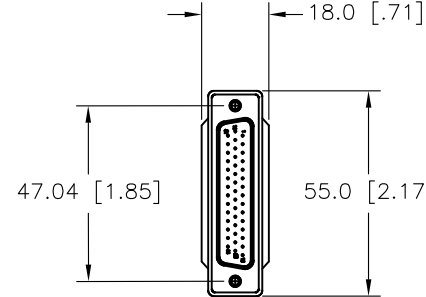
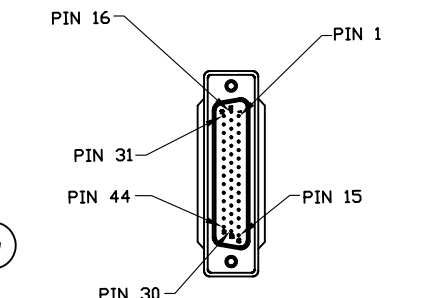
METRIC

CUSTOMER DRAWING

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

REF DES	DESCRIPTION
P1,P2,P3,P4, P5,P6,P7,P8	HIROSE IX INDUSTRIAL CONNECTOR, FEMALE, TYPE B OR EQUIVALENT
P9	44-POSITION HIGH-DENSITY DSUB, MALE
1	#4-40 UNC THUMBSCREWS, METAL, SLOTTED AND KNURLED

REF DES	CONSTRUCTION	CONDUCTORS	INSULATION	JACKET
2	4 SHIELDED TWISTED PAIRS, 2 UNSHIELDED STRAIGHT, WITH OVERALL SHIELD	24 AWG TINNED STRANDED COPPER (41/0.08MM, 0.60MM OD)	0.23MM THICK SRPVC, 1.15MM OD	0.60MM THICK PVC, 7.00MM OD



<sup>2</sup> PRODUCT AND COMPANY NAMES MENTIONED ARE TRADEMARKS OR TRADE NAMES OF THEIR RESPECTIVE COMPANIES.  
1. REFER TO PRODUCT MANUAL ON NI.COM FOR MORE DETAILS.  
NOTES: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

DO NOT SCALE DRAWING  
THIRD ANGLE PROJECTION

NI.COM  
AUSTIN, TEXAS

TITLE  
SHDB44M-8IXBF HPSE

SIZE CODE IDENT NO. MM/DD/YYYY  
D 7U296 08/19/2021

SCALE: 1/1 SHEET 1 OF 2

### WIRE LIST

LEAD	PAIR	P9 (HD44)	SIGNAL - HD44	SIGNAL - IX	COND.	COLOR	P1	P2	P3	P4	NOTES		
1	0	1	1.A	A	C0	YELLOW	1						
		33	1.I (REF)	B	C1	BLUE	2						
		NC	CHSGND	CHSGND	SHIELD_0	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	33	1.I (REF)	I (REF)	C2	WHITE	3						
	1	16	1.B	C	C3	ORANGE	4						
			33	1.I (REF)	D	C4	PURPLE	5					
			NC	CHSGND	CHSGND	SHIELD_1	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
		2	2	1.C	E	C5	GRAY	6					
			33	1.I (REF)	F	C6	RED	7					
			NC	CHSGND	CHSGND	SHIELD_2	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
	N/A	19	1.J (AUX)	J (AUX)	C7	BLACK	8						
	3	17	1.D	G	C8	BROWN	9						
33			1.I (REF)	H	C9	GREEN	10						
NC		CHSGND	CHSGND	SHIELD_3	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD		
N/A		SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL						
2	4	3	1.E	A	C10	YELLOW		1					
		33	1.I (REF)	B	C11	BLUE		2					
		NC	CHSGND	CHSGND	SHIELD_4	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	33	1.I (REF)	I (REF)	C12	WHITE		3					
	5	18	1.F	C	C13	ORANGE		4					
			33	1.I (REF)	D	C14	PURPLE		5				
		NC	CHSGND	CHSGND	SHIELD_5	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	6	32	1.G	E	C15	GRAY		6					
			33	1.I (REF)	F	C16	RED		7				
		NC	CHSGND	CHSGND	SHIELD_6	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	19	1.J (AUX)	J (AUX)	C17	BLACK		8					
	7	31	1.H	G	C18	BROWN		9					
33			1.I (REF)	H	C19	GREEN		10					
NC		CHSGND	CHSGND	SHIELD_7	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD		
N/A		SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL						
3	8	5	2.A	A	C20	YELLOW			1				
		34	2.I (REF)	B	C21	BLUE			2				
		NC	CHSGND	CHSGND	SHIELD_8	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	34	2.I (REF)	I (REF)	C22	WHITE			3				
	9	20	2.B	C	C23	ORANGE			4				
			34	2.I (REF)	D	C24	PURPLE			5			
		NC	CHSGND	CHSGND	SHIELD_9	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	10	6	2.C	E	C25	GRAY			6				
			34	2.I (REF)	F	C26	RED			7			
		NC	CHSGND	CHSGND	SHIELD_10	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	4	2.J (AUX)	J (AUX)	C27	BLACK			8				
	11	21	2.D	G	C28	BROWN			9				
34			2.I (REF)	H	C29	GREEN			10				
NC		CHSGND	CHSGND	SHIELD_11	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD		
N/A		SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL						
4	12	7	2.E	A	C30	YELLOW				1			
		34	2.I (REF)	B	C31	BLUE				2			
		NC	CHSGND	CHSGND	SHIELD_12	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	34	2.I (REF)	I (REF)	C32	WHITE				3			
	13	22	2.F	C	C33	ORANGE				4			
			34	2.I (REF)	D	C34	PURPLE				5		
		NC	CHSGND	CHSGND	SHIELD_13	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	14	36	2.G	E	C35	GRAY				6			
			34	2.I (REF)	F	C36	RED				7		
		NC	CHSGND	CHSGND	SHIELD_14	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	4	2.J (AUX)	J (AUX)	C37	BLACK				8			
	15	35	2.H	G	C38	BROWN				9			
34			2.I (REF)	H	C39	GREEN				10			
NC		CHSGND	CHSGND	SHIELD_15	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD		
N/A		SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL						

### WIRE LIST CONT.

LEAD	PAIR	P9 (HD44)	SIGNAL - HD44	SIGNAL - IX	COND.	COLOR	P5	P6	P7	P8	NOTES	
16	9	3.A	A	C40	YELLOW		1					
		41	3.I (REF)	B	C41	BLUE		2				
		NC	CHSGND	CHSGND	SHIELD_16	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
	N/A	41	3.I (REF)	I (REF)	C42	WHITE		3				
	17	24	3.B	C	C43	ORANGE		4				
			41	3.I (REF)	D	C44	PURPLE		5			
NC		CHSGND	CHSGND	SHIELD_17	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
18	10	3.C	E	C45	GRAY		6					
		41	3.I (REF)	F	C46	RED		7				
	NC	CHSGND	CHSGND	SHIELD_18	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
N/A	27	3.J (AUX)	J (AUX)	C47	BLACK		8					
19	25	3.D	G	C48	BROWN		9					
		41	3.I (REF)	H	C49	GREEN		10				
	NC	CHSGND	CHSGND	SHIELD_19	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL					
20	11	3.E	A	C50	YELLOW			1				
		41	3.I (REF)	B	C51	BLUE			2			
		NC	CHSGND	CHSGND	SHIELD_20	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
	N/A	41	3.I (REF)	I (REF)	C52	WHITE			3			
	21	26	3.F	C	C53	ORANGE			4			
			41	3.I (REF)	D	C54	PURPLE			5		
NC		CHSGND	CHSGND	SHIELD_21	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
22	40	3.G	E	C55	GRAY			6				
		41	3.I (REF)	F	C56	RED			7			
	NC	CHSGND	CHSGND	SHIELD_22	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	27	3.J (AUX)	J (AUX)	C57	BLACK			8			
23	39	3.H	G	C58	BROWN			9				
		41	3.I (REF)	H	C59	GREEN			10			
	NC	CHSGND	CHSGND	SHIELD_23	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
N/A	SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL						
24	13	4.A	A	C60	YELLOW				1			
		42	4.I (REF)	B	C61	BLUE				2		
		NC	CHSGND	CHSGND	SHIELD_24	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
	N/A	42	4.I (REF)	I (REF)	C62	WHITE				3		
	25	28	4.B	C	C63	ORANGE				4		
			42	4.I (REF)	D	C64	PURPLE				5	
NC		CHSGND	CHSGND	SHIELD_25	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
26	14	4.C	E	C65	GRAY				6			
		42	4.I (REF)	F	C66	RED				7		
	NC	CHSGND	CHSGND	SHIELD_26	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
N/A	12	4.J (AUX)	J (AUX)	C67	BLACK				8			
27	29	4.D	G	C68	BROWN				9			
		42	4.I (REF)	H	C69	GREEN				10		
	NC	CHSGND	CHSGND	SHIELD_27	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL					
28	15	4.E	A	C70	YELLOW					1		
		42	4.I (REF)	B	C71	BLUE				2		
		NC	CHSGND	CHSGND	SHIELD_28	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD
	N/A	42	4.I (REF)	I (REF)	C72	WHITE				3		
	29	30	4.F	C	C73	ORANGE				4		
			42	4.I (REF)	D	C74	PURPLE				5	
NC		CHSGND	CHSGND	SHIELD_29	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
30	44	4.G	E	C75	GRAY				6			
		42	4.I (REF)	F	C76	RED				7		
	NC	CHSGND	CHSGND	SHIELD_30	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
N/A	12	4.J (AUX)	J (AUX)	C77	BLACK				8			
31	43	4.H	G	C78	BROWN				9			
		42	4.I (REF)	H	C79	GREEN				10		
	NC	CHSGND	CHSGND	SHIELD_31	N/A	NC					SHORTED IN CABLE TO OUTER SHIELD	
	N/A	SHELL	CHSGND	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL					