



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

REF DES	DESCRIPTION
P1,P2,P3,P4	HIROSE IX INDUSTRIAL CONNECTOR, FEMALE, TYPE B OR EQUIVALENT
P5	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

² 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.

METRIC UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND [INCHES] DO NOT SCALE DRAWING THIRD ANGLE PROJECTION 	CUSTOMER DRAWING NI.COM AUSTIN, TEXAS	
	TITLE SHDB44M-4IXBF DIFF	
SIZE D 7U296	CODE IDENT NO. MM/DD/YYYY 08/19/21	SCALE: 1/1 SHEET 1 OF 2

WIRE LIST

LEAD	PAIR	P5 (HD44)	SIGNAL	COND.	COLOR	P1	P2	P3	P4	NOTES	
1	0	1	A	C0	YELLOW	1					
		16	B	C1	BLUE	2					
		NC	CHSGND	SHIELD_0	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
	N/A	33	I (REF)	C2	WHITE	3					
			2	C	C3	ORANGE	4				
			17	D	C4	PURPLE	5				
	1	NC	CHSGND	SHIELD_1	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
			2	3	E	C5	GRAY	6			
				18	F	C6	RED	7			
	N/A	19	CHSGND	SHIELD_2	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
			3	32	G	C8	BROWN	9			
				31	H	C9	GREEN	10			
N/A	NC	CHSGND	SHIELD_3	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD		
		3	NC	CHSGND	OUTER SHIELD	SHIELD/DRAIN	SHELL				
			5	A	C10	YELLOW		1			
2	0	20	B	C11	BLUE		2				
		NC	CHSGND	SHIELD_4	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
		N/A	34	I (REF)	C12	WHITE		3			
	1	6	C	C13	ORANGE		4				
			21	D	C14	PURPLE		5			
			NC	CHSGND	SHIELD_5	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	2	7	E	C15	GRAY		6				
			22	F	C16	RED		7			
			NC	CHSGND	SHIELD_6	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	N/A	4	J (AUX)	C17	BLACK		8				
			3	36	G	C18	BROWN		9		
				35	H	C19	GREEN		10		
N/A	NC	CHSGND	SHIELD_7	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD		
		3	NC	CHSGND	OUTER SHIELD	SHIELD/DRAIN		SHELL			
			9	A	C20	YELLOW			1		
3	0	24	B	C21	BLUE			2			
		NC	CHSGND	SHIELD_8	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
		N/A	41	I (REF)	C22	WHITE		3			
	1	10	C	C23	ORANGE		4				
			25	D	C24	PURPLE		5			
			NC	CHSGND	SHIELD_9	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	2	11	E	C25	GRAY		6				
			26	F	C26	RED		7			
			NC	CHSGND	SHIELD_10	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	N/A	27	J (AUX)	C27	BLACK		8				
			3	40	G	C28	BROWN		9		
				39	H	C29	GREEN		10		
N/A	NC	CHSGND	SHIELD_11	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD		
		3	NC	CHSGND	OUTER SHIELD	SHIELD/DRAIN		SHELL			
			13	A	C30	YELLOW			1		
4	0	28	B	C31	BLUE			2			
		NC	CHSGND	SHIELD_12	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD	
		N/A	42	I (REF)	C32	WHITE		3			
	1	14	C	C33	ORANGE		4				
			29	D	C34	PURPLE		5			
			NC	CHSGND	SHIELD_13	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	2	15	E	C35	GRAY		6				
			30	F	C36	RED		7			
			NC	CHSGND	SHIELD_14	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD
	N/A	12	J (AUX)	C37	BLACK		8				
			3	44	G	C38	BROWN		9		
				43	H	C39	GREEN		10		
N/A	NC	CHSGND	SHIELD_15	N/A	NC				SHORTED IN CABLE TO OUTER SHIELD		
		3	NC	CHSGND	OUTER SHIELD	SHIELD/DRAIN		SHELL			