



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

REF DES	DESCRIPTION
P1,P2	68-POS FEMALE SCSI-II CONNECTOR
2	CONNECTOR OVERMOLD (BLACK) WITH INTEGRATED JACKSCREWS (2-56 UNC-2A)

REF DES	CONSTRUCTION	CONDUCTORS	INSULATION	SHIELD	JACKET
1	34 UNSHIELDED TWISTED PAIRS WITH OVERALL SHIELD	30 AWG PLATED COPPER (7/38, 0.30MM OD)	0.69MM DIAMETER FOAM POLYOLEFIN	ALUMINUM/POLYESTER TAPE (25% OVERLAP) AND 38 AWG TIN PLATED COPPER BRAID (85% COVERAGE)	01.00MM THICK PVC, 6.70MM OD

METRIC

CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION

NI.COM
AUSTIN, TEXAS

TITLE
SH68-68-S

SIZE: **D** CODE IDENT NO: **7U296** MM/DD/YYYY: **05/18/22**

SCALE: 1/1 SHEET 1 OF 2

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.

WIRE LIST				
PAIR	SIGNAL	P1	COLOR MAIN/STRIPE	P2
1	CH23-	1	BROWN/BLUE	1
	CH23+	35	BLUE/BROWN	35
2	CH22-	2	BROWN/YELLOW	2
	CH22+	36	YELLOW/BROWN	36
3	CH21-	3	BROWN/ORANGE	3
	CH21+	37	ORANGE/BROWN	37
4	CH20-	4	BROWN/PINK	4
	CH20+	38	PINK/BROWN	38
5	CH19-	5	BROWN/GREEN	5
	CH19+	39	GREEN/BROWN	39
6	CH18-	6	BROWN/VIOLET	6
	CH18+	40	VIOLET/BROWN	40
7	GND	7	BROWN/GRAY	7
	VOLTCOMP	41	GRAY/BROWN	41
8	+5V	8	TAN/GRAY	8
	SCANADV	42	GRAY/YELLOW	42
9	OUT3-	9	ORANGE/VIOLET	9
	OUT3+	43	VIOLET/ORANGE	43
10	OUT2-	10	ORANGE/BLUE	10
	OUT2+	44	BLUE/ORANGE	44
11	CH17-	11	ORANGE/GREEN	11
	CH17+	45	GREEN/ORANGE	45
12	CH16-	12	ORANGE/YELLOW	12
	CH16+	46	YELLOW/ORANGE	46

WIRE LIST (CONT)				
PAIR	SIGNAL	P1	COLOR MAIN/STRIPE	P2
13	CH15-	13	PINK/ORANGE	13
	CH15+	47	ORANGE/PINK	47
14	CH14-	14	PINK/YELLOW	14
	CH14+	48	YELLOW/PINK	48
15	CH13-	15	TAN/BLACK	15
	CH13+	49	BROWN/BLACK	49
16	CH12-	16	TAN/PINK	16
	CH12+	50	PINK/BLACK	50
17	AB2-	17	TAN/ORANGE	17
	AB2+	51	ORANGE/BLACK	51
18	AB0-	18	TAN/GREEN	18
	AB0+	52	GREEN/YELLOW	52
19	CH11-	19	TAN/BLUE	19
	CH11+	53	BLUE/YELLOW	53
20	CH10-	20	TAN/YELLOW	20
	CH10+	54	YELLOW/BLACK	54
21	CH9-	21	WHITE/YELLOW	21
	CH9+	55	YELLOW/WHITE	55
22	AISENSE	22	WHITE/BLUE	22
	CHSGND	56	BLUE/WHITE	56
23	CH8-	23	TAN/VIOLET	23
	CH8+	57	VIOLET/YELLOW	57
24	CH7-	24	WHITE/ORANGE	24
	CH7+	58	ORANGE/WHITE	58

WIRE LIST (CONT)				
PAIR	SIGNAL	P1	COLOR MAIN/STRIPE	P2
25	CH6-	25	WHITE/PINK	25
	CH6+	59	PINK/WHITE	59
26	OUT1-	26	WHITE/GRAY	26
	OUT1+	60	GRAY/WHITE	60
27	OUT0-	27	WHITE/VIOLET	27
	OUT0+	61	VIOLET/WHITE	61
28	CH5-	28	WHITE/BLACK	28
	CH5+	62	TAN/WHITE	62
29	CH4-	29	WHITE/BROWN	29
	CH4+	63	BROWN/WHITE	63
30	CH3-	30	WHITE/GREEN	30
	CH3+	64	GREEN/WHITE	64
31	CH2-	31	PINK/BLUE	31
	CH2+	65	BLUE/PINK	65
32	CH1-	32	PINK/GREEN	32
	CH1+	66	GREEN/PINK	66
33	CH0-	33	PINK/VIOLET	33
	CH0+	67	VIOLET/PINK	67
34	CJS0-	34	PINK/GRAY	34
	CJS0+	68	GRAY/PINK	68
-	SHIELD	SHELL	OUTER SHIELD	SHELL