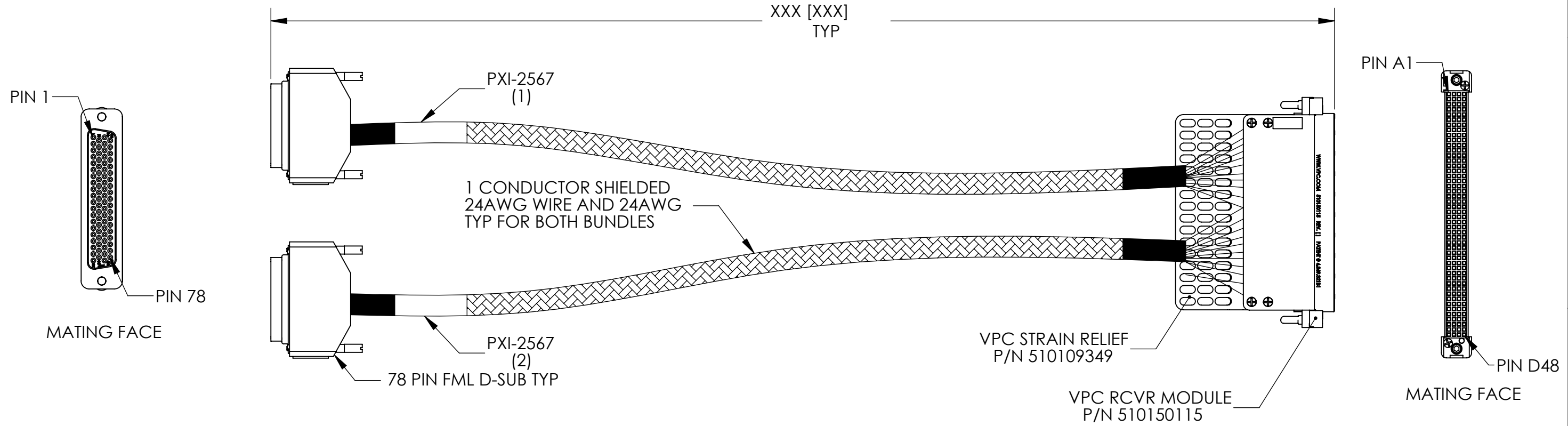


DO NOT SCALE DRAWING

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REVISIONS			
REV	DESCRIPTION	DATE	ENGR
G	ECN #12286	1/31/2022	I COFFEY



INSTRUMENT TYPE: PXI
INSTRUMENT CARD: NATIONAL INST. PXI 2567
MATING MODULE: 510151105 (1)
MATING PATCHCORDS: 7-121924000-036 (156)

CUSTOMER DRAWING			
VPC			
CBA, RCV, QUADRAPADDLE TO 2 x 78-PIN FML D-SUB f/ NI PXI-2567			

DIMENSIONS ARE SHOWN AS:	SIZE	CAGE CODE	DWG.NO.	REV
[MILLIMETERS] INCHES	B	18117	540034010X29	G
SCALE: NONE		540034010229	7/19/06	SHEET 1 OF 2

From Location	From Signal Desc	Wire AWG	Wire	Length (in)	Shield Group	To Location
B1	CH0	24 SHD	021993	36	1	PIN 40
A1	CH1	24 SHD	021993	36	↑	PIN 60
B2	CH2	24 SHD	021993	36	↑	PIN 41
A2	CH3	24 SHD	021993	36	↑	PIN 61
A3	CH4	24 SHD	021993	36	2	PIN 62
B3	CH5	24 SHD	021993	36	↑	PIN 43
A4	CH6	24 SHD	021993	36	↑	PIN 63
B4	CH7	24 SHD	021993	36	↑	PIN 44
B5	CH0-7 GND RETURN	24	-	36	-	PIN 42
D1	CH8	24 SHD	021993	36	3	PIN 1
C1	CH9	24 SHD	021993	36	↑	PIN 21
D2	CH10	24 SHD	021993	36	↑	PIN 2
C2	CH11	24 SHD	021993	36	↑	PIN 22
D3	CH12	24 SHD	021993	36	4	PIN 23
C3	CH13	24 SHD	021993	36	↑	PIN 4
D4	CH14	24 SHD	021993	36	↑	PIN 24
C4	CH15	24 SHD	021993	36	↑	PIN 5
D5	CH8-15 GND RETURN	24	-	36	-	PIN 3
A5	CH16	24 SHD	021993	36	5	PIN 64
B6	CH17	24 SHD	021993	36	↑	PIN 45
A6	CH18	24 SHD	021993	36	↑	PIN 65
B7	CH19	24 SHD	021993	36	↑	PIN 46
B8	CH20	24 SHD	021993	36	6	PIN 47
A7	CH21	24 SHD	021993	36	↑	PIN 67
B9	CH22	24 SHD	021993	36	↑	PIN 48
A8	CH23	24 SHD	021993	36	↑	PIN 68
A9	CH16-23 GND RETURN	24	-	36	-	PIN 66
C5	CH24	24 SHD	021993	36	7	PIN 25
D6	CH25	24 SHD	021993	36	↑	PIN 6
C6	CH26	24 SHD	021993	36	↑	PIN 26
D7	CH27	24 SHD	021993	36	↑	PIN 7
D8	CH28	24 SHD	021993	36	8	PIN 8
C7	CH29	24 SHD	021993	36	↑	PIN 28
D9	CH30	24 SHD	021993	36	↑	PIN 9
C8	CH31	24 SHD	021993	36	↑	PIN 29
C9	CH24-31 GND RETURN	24	-	36	-	PIN 27
B19	+ 5V	24	7-124924000-038	36	-	PIN 58
B20	TRIG IN	24	7-124924000-038	36	-	PIN 59
A19	RESERVED	24	7-124924000-038	36	-	PIN 78

From Location	From Signal Desc	Wire AWG	Wire	Length (in)	Shield Group	To Location
B10	CH32	24 SHD	021993	36	9	PIN 49
A10	CH33	24 SHD	021993	36	↑	PIN 69
B11	CH34	24 SHD	021993	36	↑	PIN 50
A11	CH35	24 SHD	021993	36	↑	PIN 70
A12	CH36	24 SHD	021993	36	10	PIN 71
B12	CH37	24 SHD	021993	36	↑	PIN 52
A13	CH38	24 SHD	021993	36	↑	PIN 72
B13	CH39	24 SHD	021993	36	↑	PIN 53
B14	CH32-39 GND RETURN	24	-	36	-	PIN 51
D10	CH40	24 SHD	021993	36	11	PIN 10
C10	CH41	24 SHD	021993	36	↑	PIN 30
D11	CH42	24 SHD	021993	36	↑	PIN 11
C11	CH43	24 SHD	021993	36	↑	PIN 31
C12	CH44	24 SHD	021993	36	12	PIN 32
D12	CH45	24 SHD	021993	36	↑	PIN 13
C13	CH46	24 SHD	021993	36	↑	PIN 33
D13	CH47	24 SHD	021993	36	↑	PIN 14
D14	CH40-47 GND RETURN	24	-	36	-	PIN 12
A14	CH48	24 SHD	021993	36	13	PIN 73
B15	CH49	24 SHD	021993	36	↑	PIN 54
A15	CH50	24 SHD	021993	36	↑	PIN 74
B16	CH51	24 SHD	021993	36	↑	PIN 55
B17	CH52	24 SHD	021993	36	14	PIN 56
A16	CH53	24 SHD	021993	36	↑	PIN 76
B18	CH54	24 SHD	021993	36	↑	PIN 57
A17	CH55	24 SHD	021993	36	↑	PIN 77
A18	CH48-55 GND RETURN	24	-	36	-	PIN 75
C14	CH56	24 SHD	021993	36	15	PIN 34
D15	CH57	24 SHD	021993	36	↑	PIN 15
C15	CH58	24 SHD	021993	36	↑	PIN 35
D16	CH59	24 SHD	021993	36	↑	PIN 16
D17	CH60	24 SHD	021993	36	16	PIN 17
C16	CH61	24 SHD	021993	36	↑	PIN 37
D18	CH62	24 SHD	021993	36	↑	PIN 18
C17	CH63	24 SHD	021993	36	↑	PIN 38
C18	CH56-63 GND RETURN	24	-	36	-	PIN 36
D19	+12V	24	7-124924000-038	36	-	PIN 19
D20	TRIG OUT	24	7-124924000-038	36	-	PIN 20
C19	GROUND	24	7-124924000-038	36	-	PIN 39

From Location	From Signal Desc	Wire AWG	Wire	Length (in)	Shield Group	To Location
B29	CH0	24 SHD	021993	36	17	PIN 40
A29	CH1	24 SHD	021993	36	↑	PIN 60
B30	CH2	24 SHD	021993	36	↑	PIN 41
A30	CH3	24 SHD	021993	36	↑	PIN 61
A31	CH4	24 SHD	021993	36	18	PIN 62
B31	CH5	24 SHD	021993	36	↑	PIN 43
A32	CH6	24 SHD	021993	36	↑	PIN 63
B32	CH7	24 SHD	021993	36	↑	PIN 44
B33	CH0-7 GND RETURN	24	-	36	-	PIN 42
D29	CH8	24 SHD	021993	36	19	PIN 1
C29	CH9	24 SHD	021993	36	↑	PIN 21
D30	CH10	24 SHD	021993	36	↑	PIN 2
C30	CH11	24 SHD	021993	36	↑	PIN 22
D31	CH12	24 SHD	021993	36	20	PIN 23
C31	CH13	24 SHD	021993	36	↑	PIN 4
D32	CH14	24 SHD	021993	36	↑	PIN 24
C32	CH15	24 SHD	021993	36	↑	PIN 5
D33	CH8-15 GND RETURN	24	-	36	-	PIN 3
A33	CH16	24 SHD	021993	36	21	PIN 64
B34	CH17	24 SHD	021993	36	↑	PIN 45
A34	CH18	24 SHD	021993	36	↑	PIN 65
B35	CH19	24 SHD	021993	36	↑	PIN 46
B36	CH20	24 SHD	021993	36	22	PIN 47
A35	CH21	24 SHD	021993	36	↑	PIN 67
B37	CH22	24 SHD	021993	36	↑	PIN 48
A36	CH23	24 SHD	021993	36	↑	PIN 68
A37	CH16-23 GND RETURN	24	-	36	-	PIN 66
C33	CH24	24 SHD	021993	36	23	PIN 25
D34	CH25	24 SHD	021993	36	↑	PIN 6
C34	CH26	24 SHD	021993	36	↑	PIN 26
D35	CH27	24 SHD	021993	36	↑	PIN 7
D36	CH28	24 SHD	021993	36	24	PIN 8
C35	CH29	24 SHD	021993	36	↑	PIN 28
D37	CH30	24 SHD	021993	36	↑	PIN 9
C36	CH31	24 SHD	021993	36	↑	PIN 29
C37	CH24-31 GND RETURN	24	-	36	-	PIN 27

From Location	From Signal Desc	Wire AWG	Wire	Length (in)	Shield Group	To Location
B47	+ 5V	24	7-124924000-038	36	-	PIN 58
B48	TRIG IN	24	7-124924000-038	36	-	PIN 59
A47	RESERVED	24	7-124924000-038	36	-	PIN 78
B38	CH32	24 SHD	021993	36	25	PIN 49
A38	CH33	24 SHD	021993	36	↑	PIN 69
B39	CH34	24 SHD	021993	36	↑	PIN 50
A39	CH35	24 SHD	021993	36	↑	PIN 70
A40	CH36	24 SHD	021993	36	26	PIN 71
B40	CH37	24 SHD	021993	36	↑	PIN 52
A41	CH38	24 SHD	021993	36	↑	PIN 72
B41	CH39	24 SHD	021993	36	↑	PIN 53
B42	CH32-39 GND RETURN	24	-	36	-	PIN 51
D38	CH40	24 SHD	021993	36	27	PIN 10
C38	CH41	24 SHD	021993	36	↑	PIN 30
D39	CH42	24 SHD	021993	36	↑	PIN 11
C39	CH43	24 SHD	021993	36	↑	PIN 31
C40	CH44	24 SHD	021993	36	28	PIN 32
D40	CH45	24 SHD	021993	36	↑	PIN 13
C41	CH46	24 SHD	021993	36	↑	PIN 33
D41	CH47	24 SHD	021993	36	↑	PIN 14
D42	CH40-47 GND RETURN	24	-	36	-	PIN 12
A42	CH48	24 SHD	021993	36	29	PIN 73
B43	CH49	24 SHD	021993	36	↑	PIN 54
A43	CH50	24 SHD	021993	36	↑	PIN 74
B44	CH51	24 SHD	021993	36	↑	PIN 55
B45	CH52	24 SHD	021993	36	30	PIN 56
A44	CH53	24 SHD	021993	36	↑	PIN 76
B46	CH54	24 SHD	021993	36	↑	PIN 57
A45	CH55	24 SHD	021993	36	↑	PIN 77
A46	CH48-55 GND RETURN	24	-	36	-	PIN 75
C42	CH56	24 SHD	021993	36	31	PIN 34
D43	CH57	24 SHD	021993	36	↑	PIN 15
C43	CH58	24 SHD	021993	36	↑	PIN 35
D44	CH59	24 SHD	021993	36	↑	PIN 16
D45	CH60	24 SHD	021993	36	32	PIN 17
C44	CH61	24 SHD	021993	36	↑	PIN 37
D46	CH62	24 SHD	021993	36	↑	PIN 18
C45	CH63	24 SHD	021993	36	↑	PIN 38
C46	CH56-63 GND RETURN	24	-	36	-	PIN 36
D47	+12V	24	7-124924000-038	36	-	PIN 19
D48	TRIG OUT	24	7-124924000-038	36	-	PIN 20
C47	GROUND	24	7-124924000-038	36	-	PIN 39