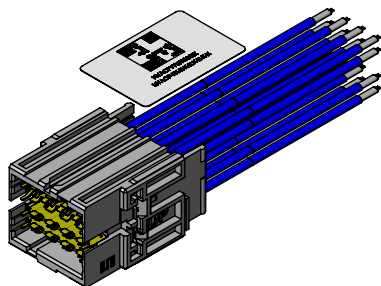


DO NOT
SCALE FROM
THIS PRINTTHIS PRODUCT MANUFACTURED
WITH LEAD-FREE PROCESSING

NVACP-XX-X-X-XX.X-X-X-X

SIGNAL TYPE

- DP: DIFFERENTIAL TWINAX PAIRS ONLY
- △ ** -DS: MIXED DIFFERENTIAL TWINAX PAIRS
AND SINGLE ENDED COAX SIGNALS
- SE: SINGLE ENDED COAX SIGNALS ONLY

TWINAX CABLE STYLE

- 1: 34100 (TwinAx)
- 3: 3492 (TwinAx)
- *-4: 3485 (TwinAx)
- 7: 3492 (ThinAx)
- △ -8: 3450 (ThinSE) (SEE NOTE 5)

ROWS

- *-2: 2 ROW
- 4: 4 ROW
- 8: 8 ROW

CABLE LENGTH

-XX.X (INCHES)
(6 INCHES MINIMUM,
SEE NOTES 3 & 7)

(*=NOT TOOLED)

(**=NOT AVAILABLE IN -2 ROW)

(△ =NOT RELEASED)

APPLICATION SPEED

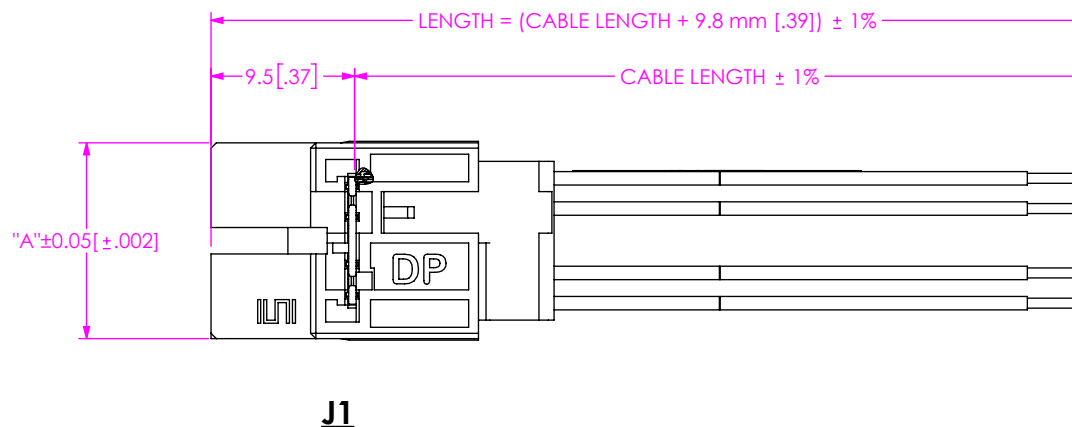
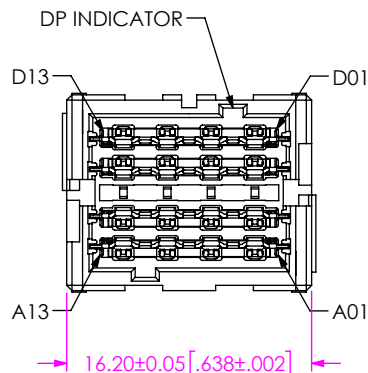
(DIFFERENTIAL TWINAX PAIRS ONLY)
-1: UP TO 128G PAM4

PIN OUT

- 1: PIN A01 TO PIN A01
(SEE PINOUT TABLE)
- 4: PIN A01 TO PIN AN
(N EQUALS LAST POSITION)
(SEE PINOUT TABLE)

J2 END

- A: ARC6 (34100 TWINAX ONLY) (QTY 1
FOR 4 ROW & QTY 2 FOR 8 ROW)
- B: NVAC

FIG 1
NVACP-DP-1-4-XX.X-X-X-1 SHOWN

J2

(NOT SHOWN, SEE FIGS 4-9)

NOTES:

1. ALL ASSEMBLIES TO BE 100% HI-POT TESTED AT 300V.
2. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
3. CABLE LENGTHS LONGER THAN 40 INCHES ARE NOT SUPPORTED BY S.I. TEST DATA.
4. ALL ASSEMBLIES TO BE 100% S.I. TESTED.
5. -3450 CABLE TO BE USED FOR CUSTOM, J2 END APPLICATIONS ONLY.
6. FOR PACKAGING REQUIREMENTS REFERENCE PACKAGING MANUAL
7. MAX STANDARD CABLE LENGTH IS 5 METERS. FOR LENGTHS GREATER THAN 5 METERS, CONTACT HDR@SAMTEC.COM.

TABLE 1

ROWS	"A"	
-2	8.95	[0.352]
-4	12.95	[0.510]
-8	20.95	[0.825]

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DO NOT SCALE DRAWING
SHEET SCALE: 2:1
MATERIAL: INSULATOR: LCP, COLOR: BLACK
CONTACT: CU ALLOY
GROUND PLANE: CU ALLOY
PLATING: 30µ" GOLD IN CONTACT AREA
LOCKING CLIP: CU ALLOY

samtec520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.COM code 55322DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLYDWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

BY: KNOWLDEN 03/08/2020 SHEET 1 OF 8

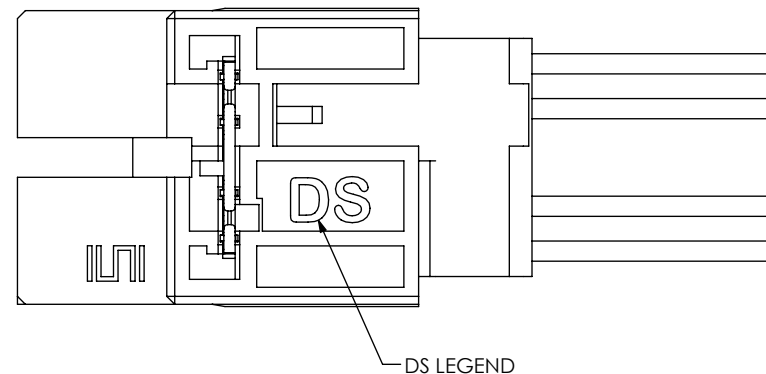
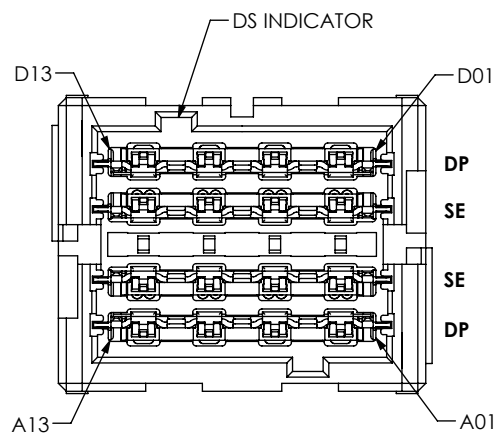


FIG 2
NVACP-DS-1-4-XX.X-X-X-1
(SAME AS FIG 1, EXCEPT AS SHOWN)
(MIXED WAFERS)

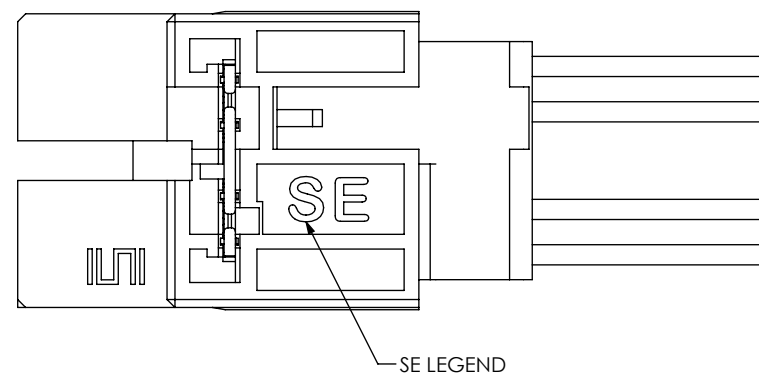
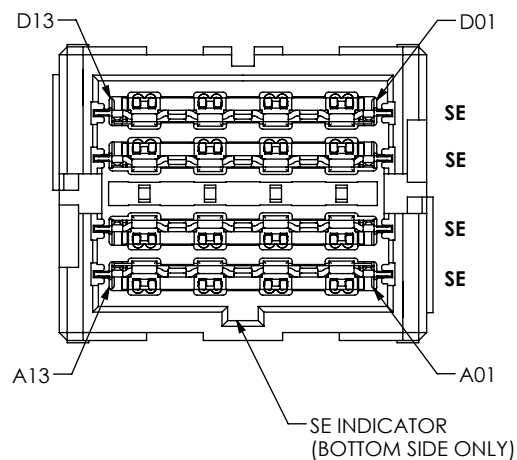
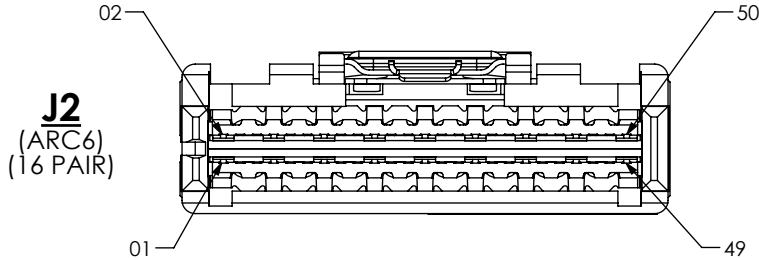
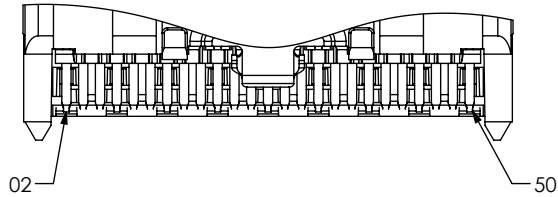


FIG 3
NVACP-SE-1-4-XX.X-X-X-1
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SINGLE ENDED WAFERS)

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DO NOT SCALE DRAWING		DESCRIPTION: NVACP PANEL MOUNT ASSEMBLY	
SHEET SCALE: 2:1		DWG. NO. NVACP-XX-X-X-XX.X-X-X-X	
		BY: KNOWLDEN03/08/2020	SHEET 2 OF 8



J1
(NVACP)

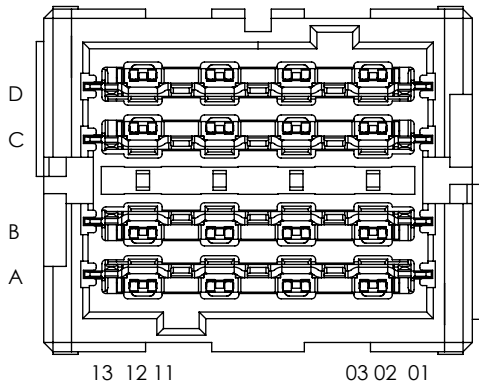


FIG 4
NVACP-XX-X-4-XX.X-A-X-1 SHOWN

TABLE 2
SIGNAL MAPPING FOR NVACP-XX-X-4-XX.X-A-1-1 (TO ARC6)

J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2
	-DP	-DS			-DP	-DS			-DP	-DS			-DP	-DS	
A 01		GND	01	B 01		GND	25	C 01		GND	02	D 01		GND	26
A 02	TX1+	TX1+	03	B 02	TX5+	LS1	27	C 02	RX1+	LS9	04	D 02	RX5+	RX1+	28
A 03	TX1-	TX1-	05	B 03	TX5-	LS2	29	C 03	RX1-	LS10	06	D 03	RX5-	RX1-	30
A 04		GND	07	B 04		GND	31	C 04		GND	08	D 04		GND	32
A 05	TX2+	TX2+	09	B 05	TX6+	LS3	33	C 05	RX2+	LS11	10	D 05	RX6+	RX2+	34
A 06	TX2-	TX2-	11	B 06	TX6-	LS4	35	C 06	RX2-	LS12	12	D 06	RX6-	RX2-	36
A 07		GND	13	B 07		GND	37	C 07		GND	14	D 07		GND	38
A 08	TX3+	TX3+	15	B 08	TX7+	LS5	39	C 08	RX3+	LS13	16	D 08	RX7+	RX3+	40
A 09	TX3-	TX3-	17	B 09	TX7-	LS6	41	C 09	RX3-	LS14	18	D 09	RX7-	RX3-	42
A 10		GND	19	B 10		GND	43	C 10		GND	20	D 10		GND	44
A 11	TX4+	TX4+	21	B 11	TX8+	LS7	45	C 11	RX4+	LS15	22	D 11	RX8+	RX4+	46
A 12	TX4-	TX4-	23	B 12	TX8-	LS8	47	C 12	RX4-	LS16	24	D 12	RX8-	RX4-	48
A 13		GND	25	B 13		GND	49	C 13		GND	26	D 13		GND	50
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD															

TABLE 3
SIGNAL MAPPING FOR NVACP-XX-X-4-XX.X-A-4-1 (TO ARC6)

J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2
	-DP	-DS			-DP	-DS			-DP	-DS			-DP	-DS	
A 01		GND	25	B 01		GND	49	C 01		GND	26	D 01		GND	50
A 02	TX1+	TX1+	23	B 02	TX5+	LS1	47	C 02	RX1+	LS9	24	D 02	RX5+	RX1+	48
A 03	TX1-	TX1-	21	B 03	TX5-	LS2	45	C 03	RX1-	LS10	22	D 03	RX5-	RX1-	46
A 04		GND	19	B 04		GND	43	C 04		GND	20	D 04		GND	44
A 05	TX2+	TX2+	17	B 05	TX6+	LS3	41	C 05	RX2+	LS11	18	D 05	RX6+	RX2+	42
A 06	TX2-	TX2-	15	B 06	TX6-	LS4	39	C 06	RX2-	LS12	16	D 06	RX6-	RX2-	40
A 07		GND	13	B 07		GND	37	C 07		GND	14	D 07		GND	38
A 08	TX3+	TX3+	11	B 08	TX7+	LS5	35	C 08	RX3+	LS13	12	D 08	RX7+	RX3+	36
A 09	TX3-	TX3-	09	B 09	TX7-	LS6	33	C 09	RX3-	LS14	10	D 09	RX7-	RX3-	34
A 10		GND	07	B 10		GND	31	C 10		GND	08	D 10		GND	32
A 11	TX4+	TX4+	05	B 11	TX8+	LS7	29	C 11	RX4+	LS15	06	D 11	RX8+	RX4+	30
A 12	TX4-	TX4-	03	B 12	TX8-	LS8	27	C 12	RX4-	LS16	04	D 12	RX8-	RX4-	28
A 13		GND	01	B 13		GND	25	C 13		GND	02	D 13		GND	26
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD															

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SHEET SCALE: 2:1

DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

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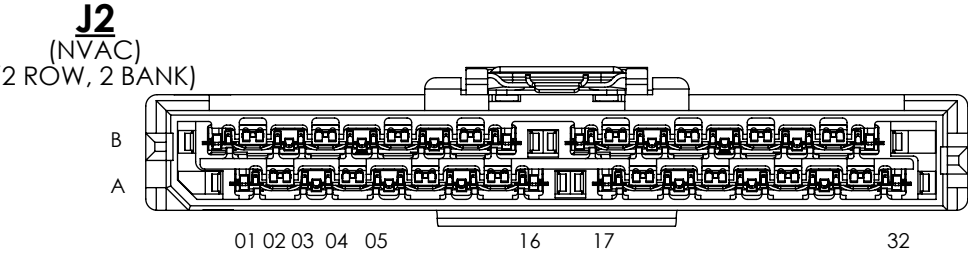
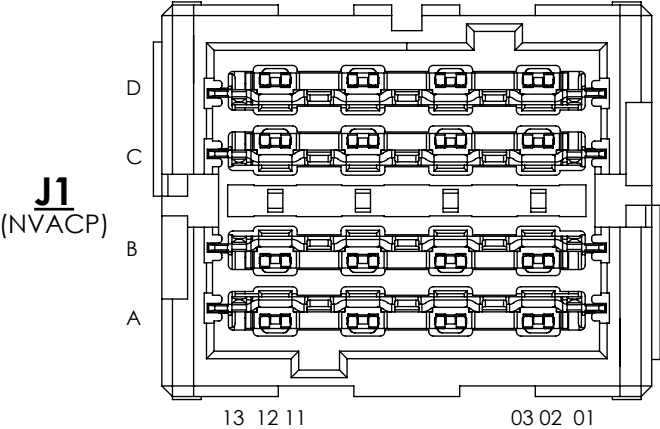


FIG 5
NVACP-XX-X-4-XX.X-B-X-1 SHOWN

TABLE 4
SIGNAL MAPPING FOR NVACP-XX-X-4-XX.X-B-1-1 (TO NVAC)

J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2
	-DP	-DS			-DP	-DS			-DP	-DS			-DP	-DS	
A 01		GND	A 01	B 01		GND	B 01	C 01		GND	A 17	D 01		GND	B 17
A 02	TX1+	TX1+	A 02	B 02	TX5+	LS1	B 02	C 02	RX1+	LS9	A 18	D 02	RX5+	RX1+	B 18
A 03	TX1-	TX1-	A 03	B 03	TX5-	LS2	B 03	C 03	RX1-	LS10	A 19	D 03	RX5-	RX1-	B 19
A 04		GND	A 04	B 04		GND	B 04	C 04		GND	A 20	D 04		GND	B 20
A 05	TX2+	TX2+	A 05	B 05	TX6+	LS3	B 05	C 05	RX2+	LS11	A 21	D 05	RX6+	RX2+	B 21
A 06	TX2-	TX2-	A 06	B 06	TX6-	LS4	B 06	C 06	RX2-	LS12	A 22	D 06	RX6-	RX2-	B 22
A 07		GND	A 07	B 07		GND	B 07	C 07		GND	A 23	D 07		GND	B 23
A 08	TX3+	TX3+	A 08	B 08	TX7+	LS5	B 08	C 08	RX3+	LS13	A 24	D 08	RX7+	RX3+	B 24
A 09	TX3-	TX3-	A 09	B 09	TX7-	LS6	B 09	C 09	RX3-	LS14	A 25	D 09	RX7-	RX3-	B 25
A 10		GND	A 10	B 10		GND	B 10	C 10		GND	A 26	D 10		GND	B 26
A 11	TX4+	TX4+	A 11	B 11	TX8+	LS7	B 11	C 11	RX4+	LS15	A 27	D 11	RX8+	RX4+	B 27
A 12	TX4-	TX4-	A 12	B 12	TX8-	LS8	B 12	C 12	RX4-	LS16	A 28	D 12	RX8-	RX4-	B 28
A 13		GND	A 13	B 13		GND	B 13	C 13		GND	A 29	D 13		GND	B 29
											A 30				
											A 31				
											A 32				

ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD

TABLE 5
SIGNAL MAPPING FOR NVACP-XX-X-4-XX.X-B-4-1 (TO NVAC)

J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2	J1	SIGNAL TYPE		J2
	-DP	-DS			-DP	-DS			-DP	-DS			-DP	-DS	
A 01		GND	A 16	B 01		GND	B 16	C 01		GND	A 32	D 01		GND	B 32
A 02	TX1+	TX1+	A 15	B 02	TX5+	LS1	B 15	C 02	RX1+	LS9	A 31	D 02	RX5+	RX1+	B 31
A 03	TX1-	TX1-	A 14	B 03	TX5-	LS2	B 14	C 03	RX1-	LS10	A 30	D 03	RX5-	RX1-	B 30
A 04		GND	A 13	B 04		GND	B 13	C 04		GND	A 29	D 04		GND	B 29
A 05	TX2+	TX2+	A 12	B 05	TX6+	LS3	B 12	C 05	RX2+	LS11	A 28	D 05	RX6+	RX2+	B 28
A 06	TX2-	TX2-	A 11	B 06	TX6-	LS4	B 11	C 06	RX2-	LS12	A 27	D 06	RX6-	RX2-	B 27
A 07		GND	A 10	B 07		GND	B 10	C 07		GND	A 26	D 07		GND	B 26
A 08	TX3+	TX3+	A 09	B 08	TX7+	LS5	B 09	C 08	RX3+	LS13	A 25	D 08	RX7+	RX3+	B 25
A 09	TX3-	TX3-	A 08	B 09	TX7-	LS6	B 08	C 09	RX3-	LS14	A 24	D 09	RX7-	RX3-	B 24
A 10		GND	A 07	B 10		GND	B 07	C 10		GND	A 23	D 10		GND	B 23
A 11	TX4+	TX4+	A 06	B 11	TX8+	LS7	B 06	C 11	RX4+	LS15	A 22	D 11	RX8+	RX4+	B 22
A 12	TX4-	TX4-	A 05	B 12	TX8-	LS8	B 05	C 12	RX4-	LS16	A 21	D 12	RX8-	RX4-	B 21
A 13		GND	A 04	B 13		GND	B 04	C 13		GND	A 20	D 13		GND	B 20
											A 19				
											A 18				
											A 17				

ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD

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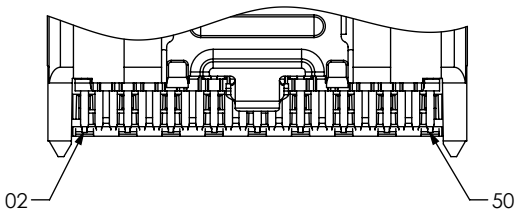
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SHEET SCALE: 2:1

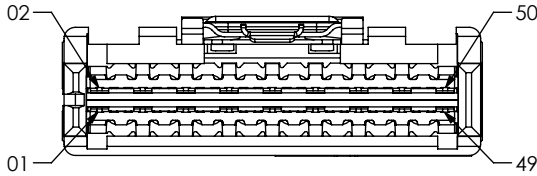
DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

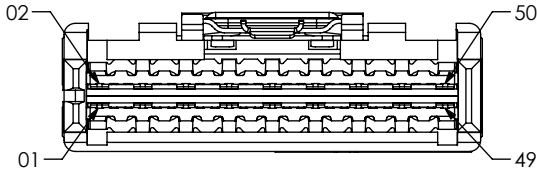
BY: KNOWLDEN 03/08/2020 SHEET 4 OF 8



J2-B
(ARC6)
(16 PAIR)



J2-A
(ARC6)
(16 PAIR)



J1
(NVACP)

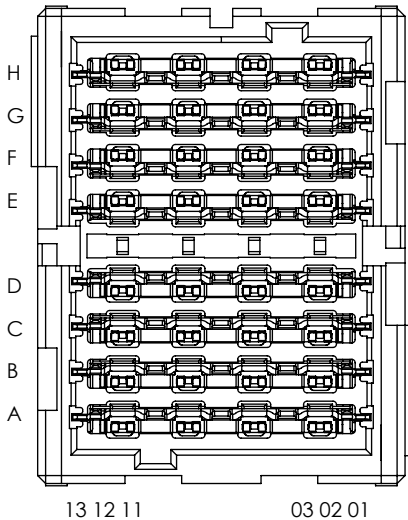


TABLE 9											
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-A-1-1 (TO ARC6)											
J1	SIGNAL TYPE	J2-A	J1	SIGNAL TYPE	J2-A	J1	SIGNAL TYPE	J2-A	J1	SIGNAL TYPE	J2-A
	-DP -DS			-DP -DS			-DP -DS			-DP -DS	
A 01	GND	01	B 01	GND	25	C 01	GND	02	D 01	GND	26
A 02	TX1+ TX1+	03	B 02	TX5+ TX5+	27	C 02	TX9+ LS1	04	D 02	TX13+ LS9	28
A 03	TX1- TX1-	05	B 03	TX5- TX5-	29	C 03	TX9- LS2	06	D 03	TX13- LS10	30
A 04	GND	07	B 04	GND	31	C 04	GND	08	D 04	GND	32
A 05	TX2+ TX2+	09	B 05	TX6+ TX6+	33	C 05	TX10+ LS3	10	D 05	TX14+ LS11	34
A 06	TX2- TX2-	11	B 06	TX6- TX6-	35	C 06	TX10- LS4	12	D 06	TX14- LS12	36
A 07	GND	13	B 07	GND	37	C 07	GND	14	D 07	GND	38
A 08	TX3+ TX3+	15	B 08	TX7+ TX7+	39	C 08	TX11+ LS5	16	D 08	TX15+ LS13	40
A 09	TX3- TX3-	17	B 09	TX7- TX7-	41	C 09	TX11- LS6	18	D 09	TX15- LS14	42
A 10	GND	19	B 10	GND	43	C 10	GND	20	D 10	GND	44
A 11	TX4+ TX4+	21	B 11	TX8+ TX8+	45	C 11	TX12+ LS7	22	D 11	TX16+ LS15	46
A 12	TX4- TX4-	23	B 12	TX8- TX8-	47	C 12	TX12- LS8	24	D 12	TX16- LS16	48
A 13	GND	25	B 13	GND	49	C 13	GND	26	D 13	GND	50
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD											

TABLE 10											
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-A-1-1 (TO ARC6)											
J1	SIGNAL TYPE	J2-B	J1	SIGNAL TYPE	J2-B	J1	SIGNAL TYPE	J2-B	J1	SIGNAL TYPE	J2-B
	-DP -DS			-DP -DS			-DP -DS			-DP -DS	
E 01	GND	01	F 01	GND	25	G 01	GND	02	H 01	GND	26
E 02	RX1+ LS17	03	F 02	RX5+ LS25	27	G 02	RX9+ RX1+	04	H 02	RX13+ RX5+	28
E 03	RX1- LS18	05	F 03	RX5- LS26	29	G 03	RX9- RX1-	06	H 03	RX13- RX5-	30
E 04	GND	07	F 04	GND	31	G 04	GND	08	H 04	GND	32
E 05	RX2+ LS19	09	F 05	RX6+ LS27	33	G 05	RX10+ RX2+	10	H 05	RX14+ RX6+	34
E 06	RX2- LS20	11	F 06	RX6- LS28	35	G 06	RX10- RX2-	12	H 06	RX14- RX6-	36
E 07	GND	13	F 07	GND	37	G 07	GND	14	H 07	GND	38
E 08	RX3+ LS21	15	F 08	RX7+ LS29	39	G 08	RX11+ RX3+	16	H 08	RX15+ RX7+	40
E 09	RX3- LS22	17	F 09	RX7- LS30	41	G 09	RX11- RX3-	18	H 09	RX15- RX7-	42
E 10	GND	19	F 10	GND	43	G 10	GND	20	H 10	GND	44
E 11	RX4+ LS23	21	F 11	RX8+ LS31	45	G 11	RX12+ RX4+	22	H 11	RX16+ RX8+	46
E 12	RX4- LS24	23	F 12	RX8- LS32	47	G 12	RX12- RX4-	24	H 12	RX16- RX8-	48
E 13	GND	25	F 13	GND	49	G 13	GND	26	H 13	GND	50
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD											

FIG 6
NVACP-XX-X-8-XX.X-A-1-1 SHOWN

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e-Mail: info@SAMTEC.com code 55322

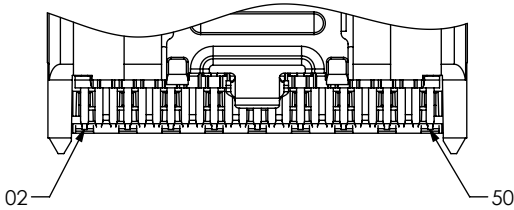
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SHEET SCALE: 2:1

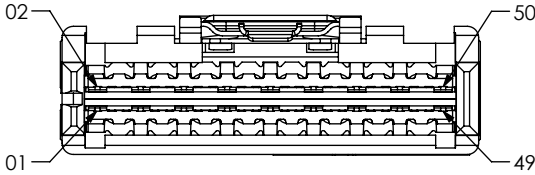
DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

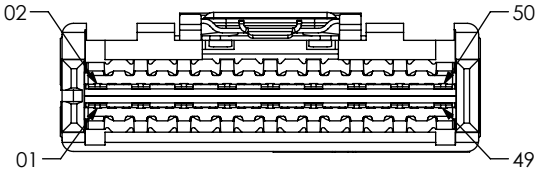
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J2-B
(ARC6)
(16 PAIR)



J2-A
(ARC6)
(16 PAIR)



J1
(NVACP)

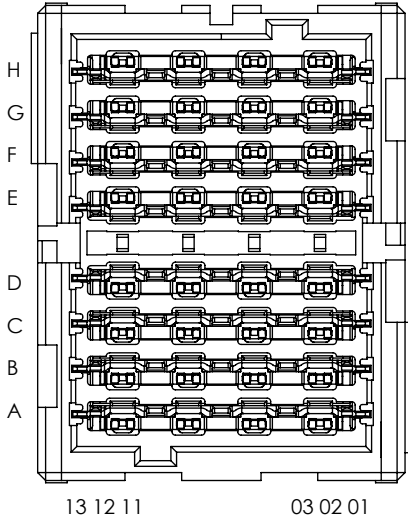


TABLE 11																		
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-A-4-1 (TO ARC6)																		
J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A
	-DP	-DS				-DP	-DS				-DP	-DS				-DP	-DS	
A 01	GND		25		B 01	GND		49		C 01	GND		26		D 01	GND		50
A 02	TX1+	TX1+	23		B 02	TX5+	TX5+	47		C 02	TX9+	LS1	24		D 02	TX13+	LS9	48
A 03	TX1-	TX1-	21		B 03	TX5-	TX5-	45		C 03	TX9-	LS2	22		D 03	TX13-	LS10	46
A 04	GND		19		B 04	GND		43		C 04	GND		20		D 04	GND		44
A 05	TX2+	TX2+	17		B 05	TX6+	TX6+	41		C 05	TX10+	LS3	18		D 05	TX14+	LS11	42
A 06	TX2-	TX2-	15		B 06	TX6-	TX6-	39		C 06	TX10-	LS4	16		D 06	TX14-	LS12	40
A 07	GND		13		B 07	GND		37		C 07	GND		14		D 07	GND		38
A 08	TX3+	TX3+	11		B 08	TX7+	TX7+	35		C 08	TX11+	LS5	12		D 08	TX15+	LS13	36
A 09	TX3-	TX3-	09		B 09	TX7-	TX7-	33		C 09	TX11-	LS6	10		D 09	TX15-	LS14	34
A 10	GND		07		B 10	GND		31		C 10	GND		08		D 10	GND		32
A 11	TX4+	TX4+	05		B 11	TX8+	TX8+	29		C 11	TX12+	LS7	06		D 11	TX16+	LS15	30
A 12	TX4-	TX4-	03		B 12	TX8-	TX8-	27		C 12	TX12-	LS8	04		D 12	TX16-	LS16	28
A 13	GND		01		B 13	GND		25		C 13	GND		02		D 13	GND		26
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD																		

TABLE 12																		
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-A-4-1 (TO ARC6)																		
J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A		J1	SIGNAL TYPE		J2-A
	-DP	-DS				-DP	-DS				-DP	-DS				-DP	-DS	
E 01	GND		25		F 01	GND		49		G 01	GND		26		H 01	GND		50
E 02	RX1+	LS17	23		F 02	RX5+	LS25	47		G 02	RX9+	RX1+	24		H 02	RX13+	RX5+	48
E 03	RX1-	LS18	21		F 03	RX5-	LS26	45		G 03	RX9-	RX1-	22		H 03	RX13-	RX5-	46
E 04	GND		19		F 04	GND		43		G 04	GND		20		H 04	GND		44
E 05	RX2+	LS19	17		F 05	RX6+	LS27	41		G 05	RX10+	RX2+	18		H 05	RX14+	RX6+	42
E 06	RX2-	LS20	15		F 06	RX6-	LS28	39		G 06	RX10-	RX2-	16		H 06	RX14-	RX6-	40
E 07	GND		13		F 07	GND		37		G 07	GND		14		H 07	GND		38
E 08	RX3+	LS21	11		F 08	RX7+	LS29	35		G 08	RX11+	RX3+	12		H 08	RX15+	RX7+	36
E 09	RX3-	LS22	09		F 09	RX7-	LS30	33		G 09	RX11-	RX3-	10		H 09	RX15-	RX7-	34
E 10	GND		07		F 10	GND		31		G 10	GND		08		H 10	GND		32
E 11	RX4+	LS23	05		F 11	RX8+	LS31	29		G 11	RX12+	RX4+	06		H 11	RX16+	RX8+	30
E 12	RX4-	LS24	03		F 12	RX8-	LS32	27		G 12	RX12-	RX4-	04		H 12	RX16-	RX8-	28
E 13	GND		01		F 13	GND		25		G 13	GND		02		H 13	GND		26
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD																		

FIG 7
NVACP-XX-X-8-XX.X-A-4-1 SHOWN

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SHEET SCALE: 2:1

DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

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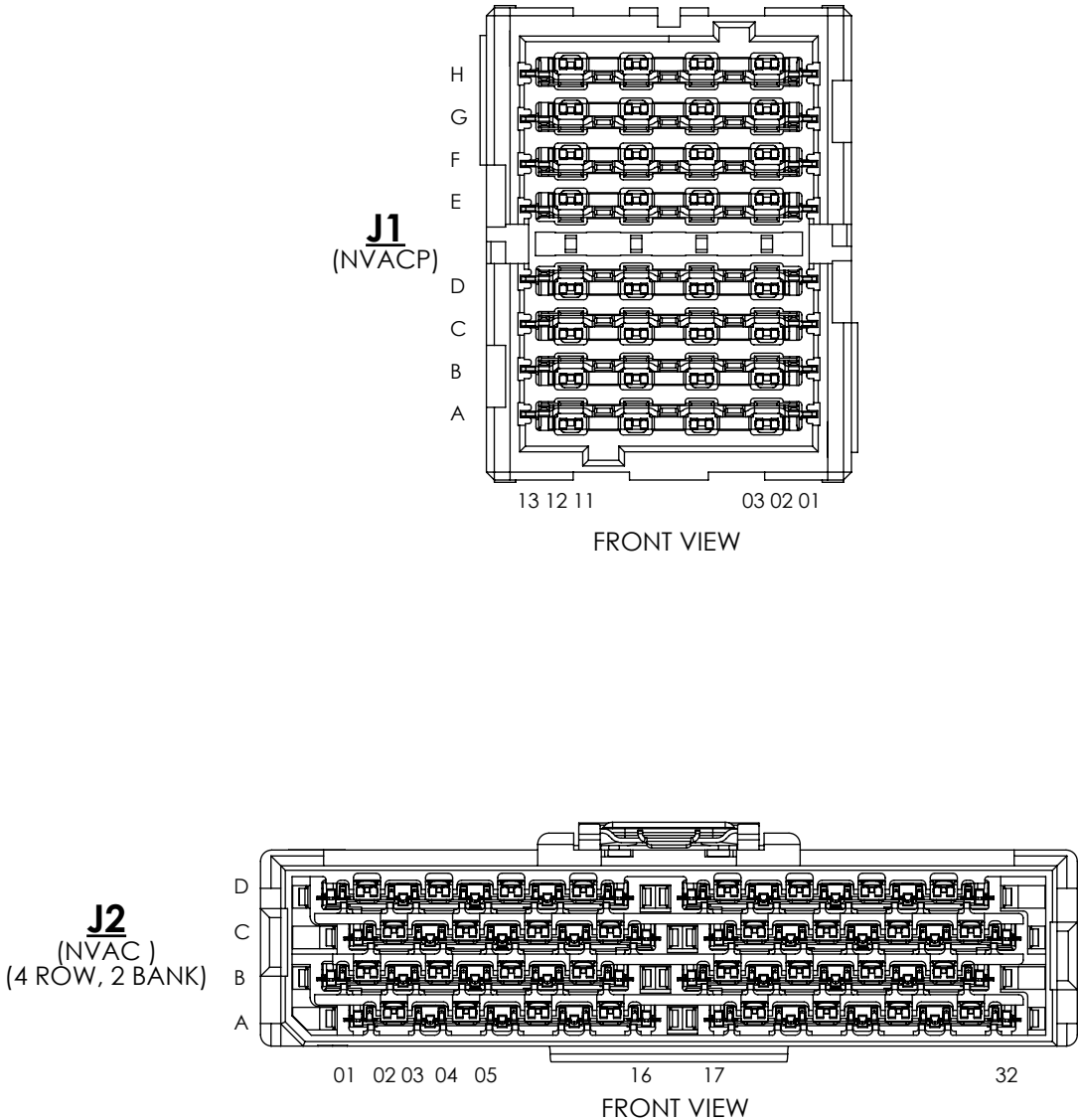


TABLE 13											
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-B-1-1 (TO NVAC)											
J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2
	-DP	-DS		-DP	-DS		-DP	-DS		-DP	-DS
A 01	GND	A 01	B 01	GND	B 01	C 01	GND	C 01	D 01	GND	D 01
A 02	TX1+	TX1+	A 02	B 02	TX5+	TX5+	B 02	C 02	TX9+	LS1	C 02
A 03	TX1-	TX1-	A 03	B 03	TX5-	TX5-	B 03	C 03	TX9-	LS2	C 03
A 04	GND	A 04	B 04	GND	B 04	C 04	GND	C 04	D 04	GND	D 04
A 05	TX2+	TX2+	A 05	B 05	TX6+	TX6+	B 05	C 05	TX10+	LS3	C 05
A 06	TX2-	TX2-	A 06	B 06	TX6-	TX6-	B 06	C 06	TX10-	LS4	C 06
A 07	GND	A 07	B 07	GND	B 07	C 07	GND	C 07	D 07	GND	D 07
A 08	TX3+	TX3+	A 08	B 08	TX7+	TX7+	B 08	C 08	TX11+	LS5	C 08
A 09	TX3-	TX3-	A 09	B 09	TX7-	TX7-	B 09	C 09	TX11-	LS6	C 09
A 10	GND	A 10	B 10	GND	B 10	C 10	GND	C 10	D 10	GND	D 10
A 11	TX4+	TX4+	A 11	B 11	TX8+	TX8+	B 11	C 11	TX12+	LS7	C 11
A 12	TX4-	TX4-	A 12	B 12	TX8-	TX8-	B 12	C 12	TX12-	LS8	C 12
A 13	GND	A 13	B 13	GND	B 13	C 13	GND	C 13	D 13	GND	D 13
A 14		A 14	B 14		B 14	C 14		C 14	D 14		D 14
A 15		A 15	B 15		B 15	C 15		C 15	D 15		D 15
A 16		A 16	B 16		B 16	C 16		C 16	D 16		D 16

TABLE 14											
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-B-1-1 (TO NVAC)											
J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2
	-DP	-DS		-DP	-DS		-DP	-DS		-DP	-DS
E 01	GND	A 17	F 01	GND	B 17	G 01	GND	C 17	H 01	GND	D 17
E 02	RX1+	LS17	A 18	F 02	RX5+	LS25	B 18	G 02	RX9+	RX1+	C 18
E 03	RX1-	LS18	A 19	F 03	RX5-	LS26	B 19	G 03	RX9-	RX1-	C 19
E 04	GND	A 20	F 04	GND	B 20	G 04	GND	C 20	H 04	GND	D 20
E 05	RX2+	LS19	A 21	F 05	RX6+	LS27	B 21	G 05	RX10+	RX2+	C 21
E 06	RX2-	LS20	A 22	F 06	RX6-	LS28	B 22	G 06	RX10-	RX2-	C 22
E 07	GND	A 23	F 07	GND	B 23	G 07	GND	C 23	H 05	RX14+	RX6+
E 08	RX3+	LS21	A 24	F 08	RX7+	LS29	B 24	G 08	RX11+	RX3+	C 24
E 09	RX3-	LS22	A 25	F 09	RX7-	LS30	B 25	G 09	RX11-	RX3-	C 25
E 10	GND	A 26	F 10	GND	B 26	G 10	GND	C 26	H 06	RX14-	RX6-
E 11	RX4+	LS23	A 27	F 11	RX8+	LS31	B 27	G 11	RX12+	RX4+	C 27
E 12	RX4-	LS24	A 28	F 12	RX8-	LS32	B 28	G 12	RX12-	RX4-	C 28
E 13	GND	A 29	F 13	GND	B 29	G 13	GND	C 29	H 07	GND	D 21
		A 30			B 30			C 30	H 08	RX15+	RX7+
		A 31			B 31			C 31	H 09	RX15-	RX7-
		A 32			B 32			C 32	H 10	GND	D 22
									H 11	RX16+	RX8+
									H 12	RX16-	RX8-
									H 13	GND	D 23

FIG 8
NVACP-XX-X-8-XX.X-B-1-1 SHOWN

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SHEET SCALE: 2:1

DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-8-XX.X-B-1-1

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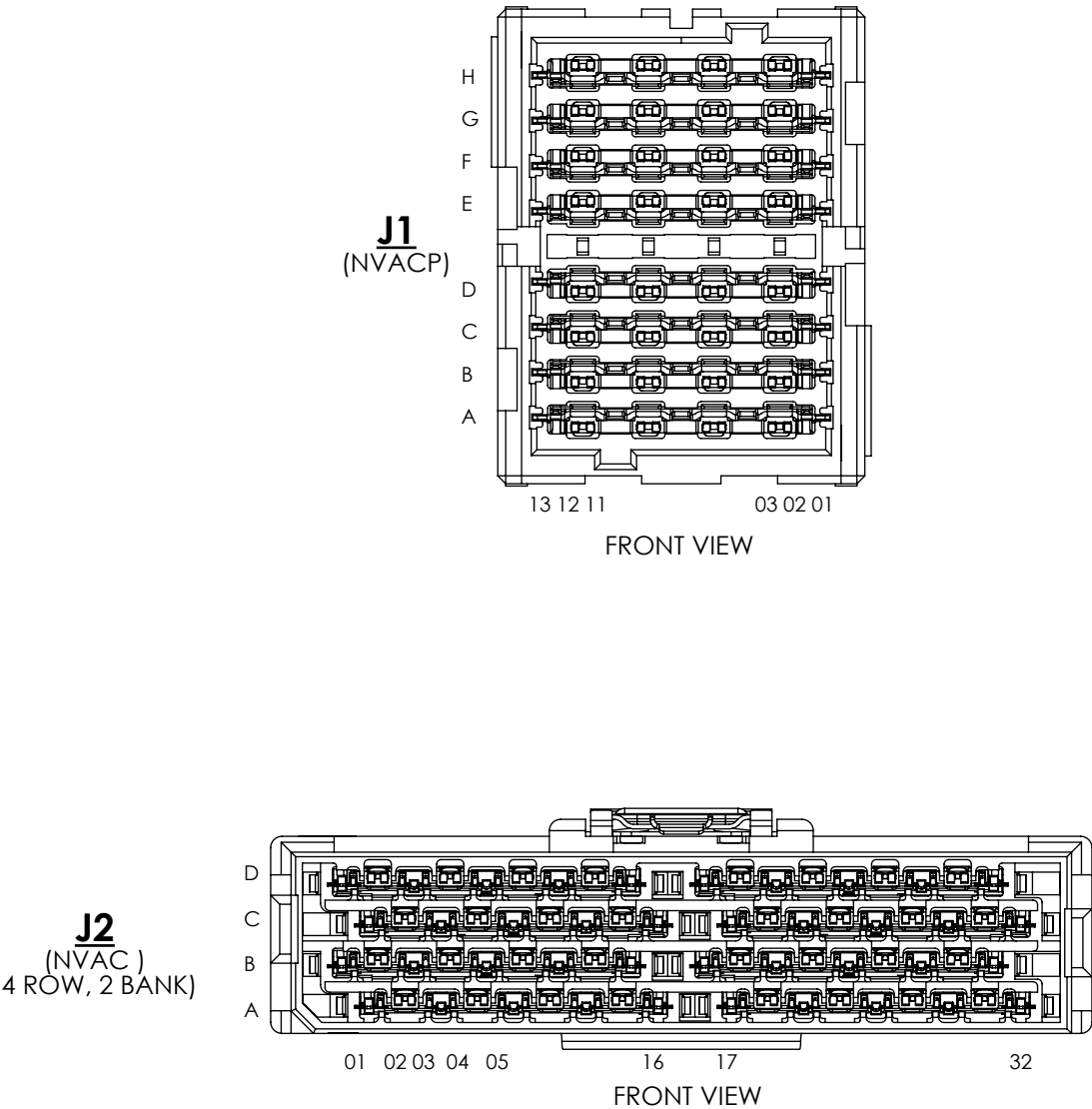


TABLE 15																					
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-B-4-1 (TO NVAC)																					
J1	SIGNAL TYPE		J2																		
	-DP	-DS														J1	SIGNAL TYPE	J2	J1	SIGNAL TYPE	J2
A 01		GND	A 16			B 01		GND	B 16			C 01		GND	C 16			D 01		GND	D 16
A 02	TX1+	TX1+	A 15			B 02	TX5+	TX5+	B 15			C 02	TX9+	LS1	C 15			D 02	TX13+	LS9	D 15
A 03	TX1-	TX1-	A 14			B 03	TX5-	TX5-	B 14			C 03	TX9-	LS2	C 14			D 03	TX13-	LS10	D 14
A 04		GND	A 13			B 04		GND	B 13			C 04		GND	C 13			D 04		GND	D 13
			A 12						B 12						C 12						D 12
A 05	TX2+	TX2+	A 11			B 05	TX6+	TX6+	B 11			C 05	TX10+	LS3	C 11			D 05	TX14+	LS11	D 11
A 06	TX2-	TX2-	A 10			B 06	TX6-	TX6-	B 10			C 06	TX10-	LS4	C 10			D 06	TX14-	LS12	D 10
A 07		GND	A 09			B 07		GND	B 09			C 07		GND	C 09			D 07		GND	D 09
			A 08						B 08						C 08						D 08
A 08	TX3+	TX3+	A 07			B 08	TX7+	TX7+	B 07			C 08	TX11+	LS5	C 07			D 08	TX15+	LS13	D 07
A 09	TX3-	TX3-	A 06			B 09	TX7-	TX7-	B 06			C 09	TX11-	LS6	C 06			D 09	TX15-	LS14	D 06
A 10		GND	A 05			B 10		GND	B 05			C 10		GND	C 05			D 10		GND	D 05
			A 04						B 04						C 04						D 04
A 11	TX4+	TX4+	A 03			B 11	TX8+	TX8+	B 03			C 11	TX12+	LS7	C 03			D 11	TX16+	LS15	D 03
A 12	TX4-	TX4-	A 02			B 12	TX8-	TX8-	B 02			C 12	TX12-	LS8	C 02			D 12	TX16-	LS16	D 02
A 13		GND	A 01			B 13		GND	B 01			C 13		GND	A 01			D 13		GND	D 01
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD																					

TABLE 16																		
SIGNAL MAPPING FOR NVACP-XX-X-8-XX.X-B-4-1 (TO NVAC)																		
J1	SIGNAL TYPE		J2		J1	SIGNAL TYPE		J2		J1	SIGNAL TYPE		J2					
	-DP	-DS				-DP	-DS				-DP	-DS		-DP	-DS			
E 01		GND	A 32		F 01		GND	B 32		G 01		GND	C 32		H 01		GND	D 32
E 02	RX1+	LS17	A 31		F 02	RX5+	LS25	B 31		G 02	RX9+	RX1+	C 31		H 02	RX13+	RX5+	D 31
E 03	RX1-	LS18	A 30		F 03	RX5-	LS26	B 30		G 03	RX9-	RX1-	C 30		H 03	RX13-	RX5-	D 30
E 04		GND	A 29		F 04		GND	B 29		G 04		GND	C 29		H 04		GND	D 29
			A 28					B 28					C 28					D 28
E 05	RX2+	LS19	A 27		F 05	RX6+	LS27	B 27		G 05	RX10+	RX2+	C 27		H 05	RX14+	RX6+	D 27
E 06	RX2-	LS20	A 26		F 06	RX6-	LS28	B 26		G 06	RX10-	RX2-	C 26		H 06	RX14-	RX6-	D 26
E 07		GND	A 25		F 07		GND	B 25		G 07		GND	C 25		H 07		GND	D 25
			A 24					B 24					C 24					D 24
E 08	RX3+	LS21	A 23		F 08	RX7+	LS29	B 23		G 08	RX11+	RX3+	C 23		H 08	RX15+	RX7+	D 23
E 09	RX3-	LS22	A 22		F 09	RX7-	LS30	B 22		G 09	RX11-	RX3-	C 22		H 09	RX15-	RX7-	D 22
E 10		GND	A 21		F 10		GND	B 21		G 10		GND	C 21		H 10		GND	D 21
			A 20					B 20					C 20					D 20
E 11	RX4+	LS23	A 19		F 11	RX8+	LS31	B 19		G 11	RX12+	RX4+	C 19		H 11	RX16+	RX8+	D 19
E 12	RX4-	LS24	A 18		F 12	RX8-	LS32	B 18		G 12	RX12-	RX4-	C 18		H 12	RX16-	RX8-	D 18
E 13		GND	A 17		F 13		GND	B 17		G 13		GND	C 17		H 13		GND	D 17
ALL GROUNDS ARE COMMON AND CONNECTED TO CABLE SHIELD																		

FIG 9
NVACP-XX-X-8-XX.X-B-4-1 SHOWN

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SHEET SCALE: 2:1

DESCRIPTION:
NVACP PANEL MOUNT ASSEMBLY

DWG. NO.
NVACP-XX-X-X-XX.X-X-X-X

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