

DO NOT
SCALE FROM
THIS PRINT

DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

NVAC-XX-X-XX-X-XX.X-XX-X-X

STYLE
-DP: 4 PAIRS
PER WAFER

OPTION
-L LATCH

CABLE STYLE
-1: 34100 (TwinAx)
*-2: 30100 (TwinAx)
-3: 3492 (TwinAx)
*-4: 3485 (TwinAx)
-5: 3492 (ThinAx)

PIN OUT
-1: PIN 1, 01 TO PIN AN
(N EQUALS LAST POSITION)
(SEE TABLE 1)

END 2
-01: NVAC

ROWS
-02: 2 ROW
-03: 3 ROW
-04: 4 ROW

CABLE LENGTH
-XX.X (INCHES)
(06.0 INCHES MINIMUM, SEE NOTE 3)

BANKS
-1: 1 BANK
-2: 2 BANK

(* = NOT TOOLED)
(■ = NOT TOOLED FOR HSET)
(■■ = HSET ONLY TOOLED FOR -04 ROW)

TABLE 1		
BANKS	N	"B"
-1	16	20.25 [.797]
-2	32	36.25 [1.427]

TABLE 2	
ROWS	"A"
-02	4.40 [0.173]
-03	6.20 [0.244]
-04	8.00 [0.315]

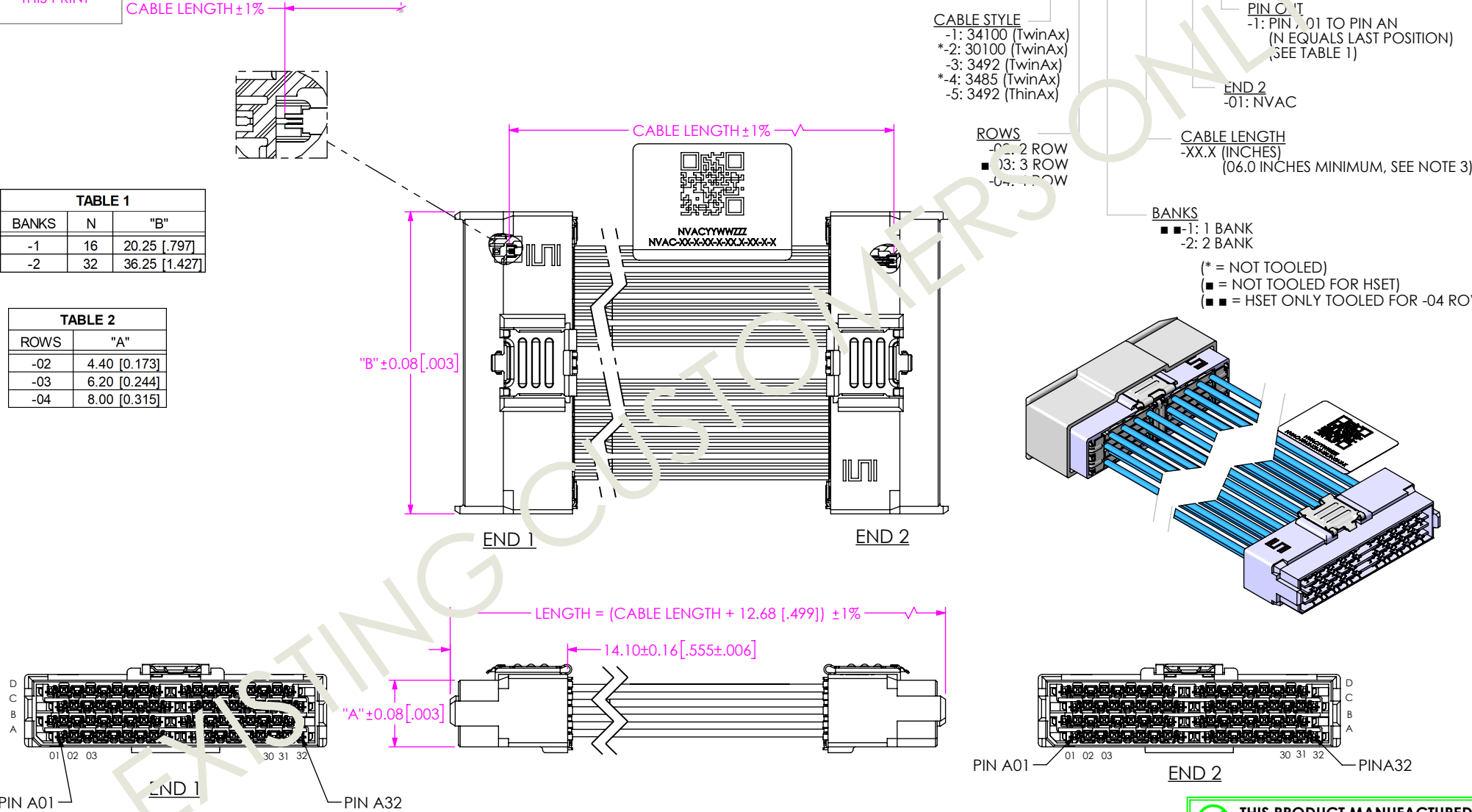


FIG 1
NVAC-DP-X-04-2-XX.X-01-1-L SHOWN

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. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
- 5. HIGH SPEED E-TEST IS TOOLED IN ALL CONFIGURATIONS, UNLESS OTHERWISE NOTED, FOR CABLE LENGTHS OF 6" TO 80". CONTACT HSETsupport@samtec.com FOR HSET REQUESTS ON ALL NON-TOOLED CONFIGURATIONS AND/OR CABLE LENGTHS.

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DO NOT SCALE DRAWING
MATERIAL:
INSULATOR: LCP
CONTACT: COPPER ALLOY
GROUND PLANE: COPPER ALLOY
PLATING: 30µ" GOLD IN CONTACT AREA
LATCH: SS

THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING

samtec

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DESCRIPTION:
NVAC ASSEMBLY

DWG. NO.
NVAC-XX-X-XX-X-XX.X-XX-X-X

BY: B BLESSING 09/26/2017 SHEET 1 OF 3

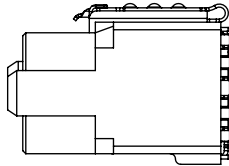


FIG 2
NVAC-DP-X-04-2-XX.X-01-1-L SHOWN
SHOWN WITH PROTECTIVE CAPS

TABLE 3: PAIR PIN-OUT																
ROW	BANK 1															
D	GND4	PAIR		GND4	GND4	PAIR		GND4	GND4	PAIR		GND4	GND4	PAIR		GND4
C	GND3	PAIR		GND3	GND3	PAIR		GND3	GND3	PAIR		GND3	GND3	PAIR		GND3
B	GND2	PAIR		GND2	GND2	PAIR		GND2	GND2	PAIR		GND2	GND2	PAIR		GND2
A	GND1	PAIR		GND1	GND1	PAIR		GND1	GND1	PAIR		GND1	GND1	PAIR		GND1
COLUMN	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16

TABLE 4: PAIR PIN-OUT																
ROW	BANK 2															
D	GND8	PAIR		GND8	GND8	PAIR		GND8	GND8	PAIR		GND8	GND8	PAIR		GND8
C	GND7	PAIR		GND7	GND7	PAIR		GND7	GND7	PAIR		GND7	GND7	PAIR		GND7
B	GND6	PAIR		GND6	GND6	PAIR		GND6	GND6	PAIR		GND6	GND6	PAIR		GND6
A	GND5	PAIR		GND5	GND5	PAIR		GND5	GND5	PAIR		GND5	GND5	PAIR		GND5
COLUMN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

EXISTING

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION: NVAC ASSEMBLY

DWG. NO. NVAC-XX-X-XX-X-XX.X-XX-X-X

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TABLE 6: SIGNAL MAPPING (NVAC-DP-X-XX-1-XX.X-01-1-X)																	
WIRING OPTION	BANK 1 POSITIONS																
-1 (PIN 01 TO PIN 16)	END 1	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
		GND1	PAIR		GND1		PAIR		GND1		PAIR		GND1		PAIR		GND1
	END 2	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01
WITHIN THIS CABLE ASSEMBLY, POSITIONS LABELED WITH A SPECIFIC GND# ARE COMMON AND TIED TO TWINAX SHIELD																	
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'s TOGETHER																	

TABLE 7: SIGNAL MAPPING (NVAC-DP-X-XX-2-XX.X-01-1-X)																	
WIRING OPTION	BANK 1 POSITIONS																
-1 (PIN 01 TO PIN 32)	END 1	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
		GND1	PAIR		GND1		PAIR		GND1		PAIR		GND1		PAIR		GND1
	END 2	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
	BANK 2 POSITIONS																
	END 1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
		GND2	PAIR		GND2		PAIR		GND2		PAIR		GND2		PAIR		GND2
	END 2	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01
WITHIN THIS CABLE ASSEMBLY, POSITIONS LABELED WITH A SPECIFIC GND# ARE COMMON AND TIED TO TWINAX SHIELD																	
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'s TOGETHER																	

EXISTING CUSTOMERS ONLY

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