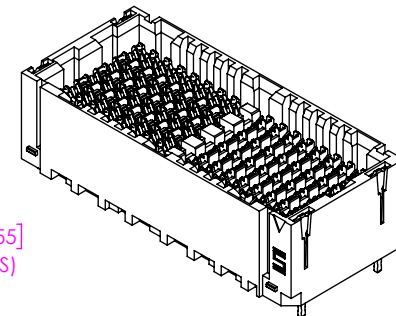
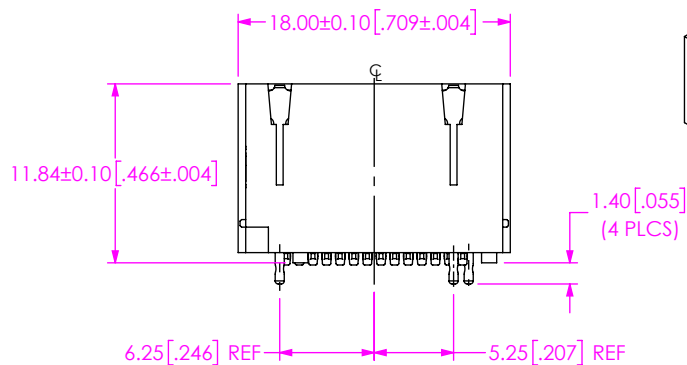
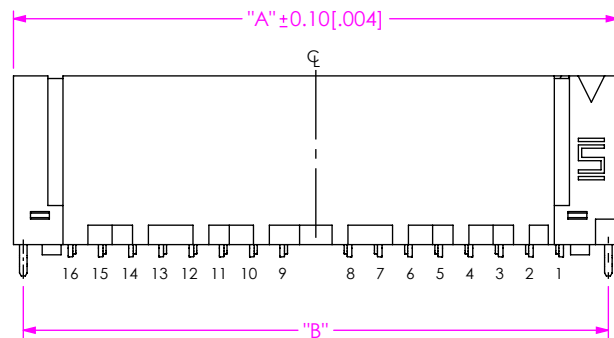
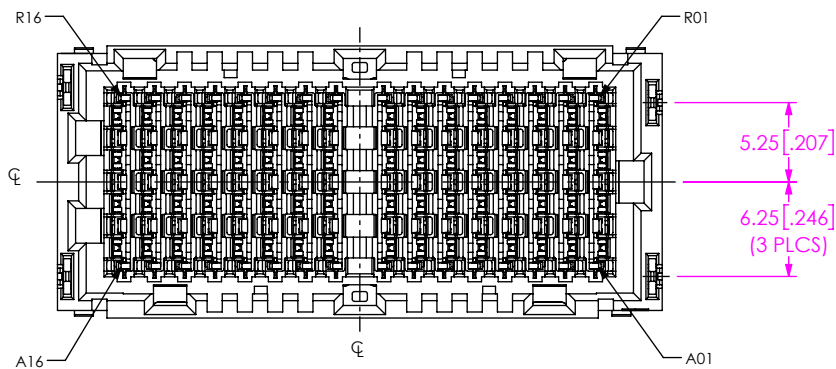


DO NOT
SCALE FROM
THIS PRINT

NVBF-XX-XX-VT-XXX-X-X-X

STYLE

-DP: 4 DIFFERENTIAL
PAIRS/ROWS
*-SE: SINGLE ENDED

ROWS

-04, *-08, *-12, -16,
*-18, *-24, **-32

VERTICAL

PLATING

-S: 30μ" GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
*-STL: 30μ" GOLD IN CONTACT
AREA, MATTE TIN LEAD ON TAIL

KEYING

(ONLY AVAILABLE WITH GUIDANCE)
-N: NONE (NO KEY)
-A THRU -H

GUIDANCE

□ -BLANK: NO GUIDE
■ -L: LEFT GUIDE
■ -R: RIGHT GUIDE
-B: BOTH

TERMINATION

**0: COLUMN (SEE NOTE 4)
-2: SOLDER CHARGE (95.5% TIN / 3.8% SILVER/
0.7% COPPER, LEAD FREE)

(* = NOT TOOLED)

(** = NOT RELEASED)

(□ = TOOLED FOR 4 & 16 ROW ONLY (NOT RELEASED), NOT TOOLED FOR ALL OTHER OPTIONS)

(■ = TOOLED FOR 4 ROW ONLY (NOT RELEASED), NOT TOOLED FOR ALL OTHER OPTIONS)

FIG 1
(NVBF-XX-16-VT-XXX-X-N SHOWN)
(FOR -1 & -2 OPTION)

TABLE 1		
No. OF ROWS	"A"	"B"
-04	16.00 [0.630]	14.70 [0.579]
-08	24.00 [0.945]	22.70 [0.894]
-12	32.00 [1.260]	30.70 [1.209]
-16	40.00 [1.575]	38.70 [1.524]
-18	44.00 [1.732]	42.70 [1.681]
-24	56.00 [2.205]	54.70 [2.154]
-32	72.00 [2.835]	70.70 [2.783]

NOTES:

1. TRAYS ARE STANDARD PACKAGING.
2. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
3. PICK AND PLACE PAD IS STANDARD PACKAGING.
4. PARTS ARE SOLDERED WITH OPTIMIZED SOLDER PASTE VOLUME.
FOR MORE INFORMATION, CONTACT SAMTEC'S INTERCONNECT PROCESSING GROUP (IPG@SAMTEC.COM)

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DO NOT SCALE DRAWING SHEET SCALE: 2:1

INSULATORS: LCP, UL94 V0,
COLOR: BLACK

CONTACTS/SHIELDS: CU ALLOY

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
NovaRay μ RUGGED BP VERTICAL ASSEMBLY

DWG. NO.

NVBF-XX-XX-VT-XXX-X-X-X

BY: ANN H

1/7/2023

SHEET 1 OF 3

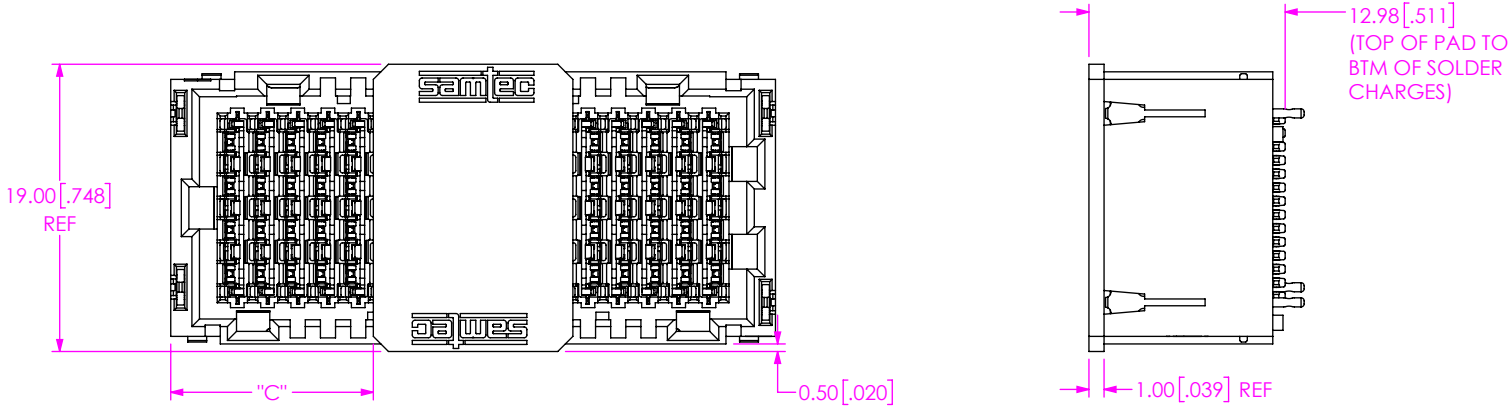


FIG 2
PICK AND PLACE PAD
(NVBF-XX-16-VT-XXX-X SHOWN)

TABLE 3	
No. OF ROWS	"C"
-04	1.40 [0.055]
-08	5.40 [0.213]
-12	9.40 [0.370]
-16	13.40 [0.528]
-18	15.40 [0.606]
-24	21.40 [0.843]
-32	29.40 [1.157]

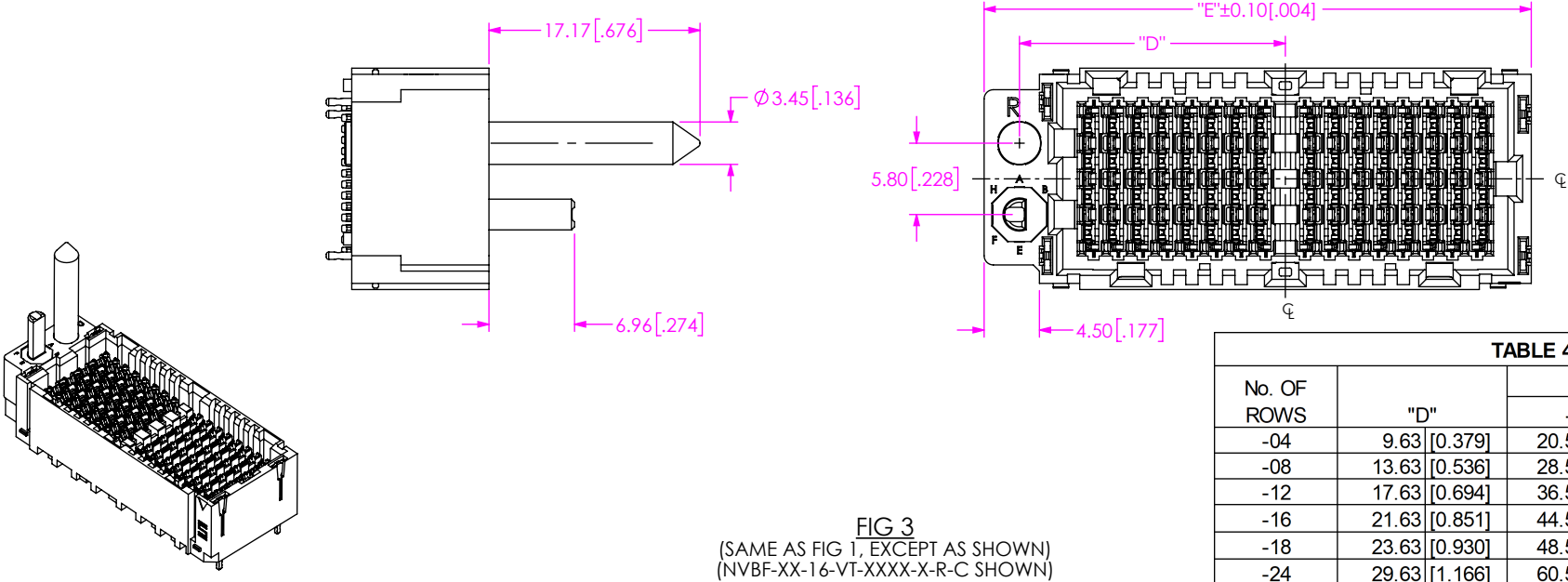


FIG 3
(SAME AS FIG 1, EXCEPT AS SHOWN)
(NVBF-XX-16-VT-XXXX-X-R-C SHOWN)

TABLE 4			
No. OF ROWS	"D"	"E"	
		-L, -R	-B
-04	9.63 [0.379]	20.50 [0.807]	25.00 [0.984]
-08	13.63 [0.536]	28.50 [1.122]	33.00 [1.299]
-12	17.63 [0.694]	36.50 [1.437]	41.00 [1.614]
-16	21.63 [0.851]	44.50 [1.752]	49.00 [1.929]
-18	23.63 [0.930]	48.50 [1.909]	53.00 [2.087]
-24	29.63 [1.166]	60.50 [2.382]	65.00 [2.559]
-32	37.63 [1.481]	76.50 [3.012]	81.00 [3.189]

TABLE 2								
GUIDANCE	KEYING							
-BLANK	-N [NONE]							
-L / -R / -B	-A	-B	-C	-D	-E	-F	-G	-H

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DESCRIPTION:
NovaRay μ RUGGED BP VERTICAL ASSEMBLY

DWG. NO.
NVBF-XX-XX-VT-XXX-X-X-X

BY: ANN H 1/7/2023 SHEET 2 OF 3

SHEET SCALE: 2:1

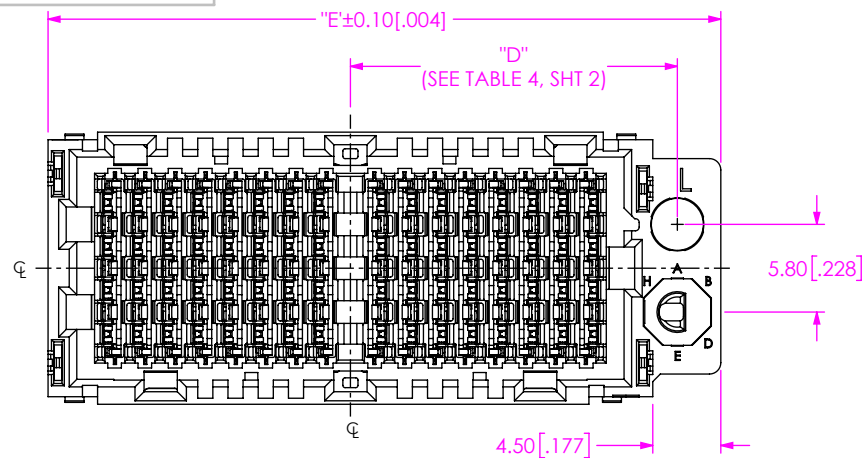


FIG 4
(SAME AS FIGS 1 & 2, EXCEPT AS SHOWN)
(NVBF-XX-16-VT-XXX-X-L-C SHOWN)

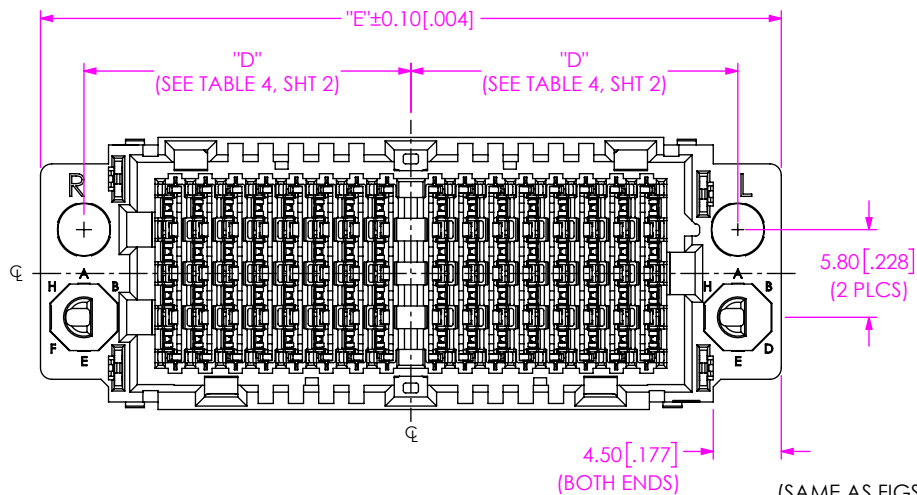
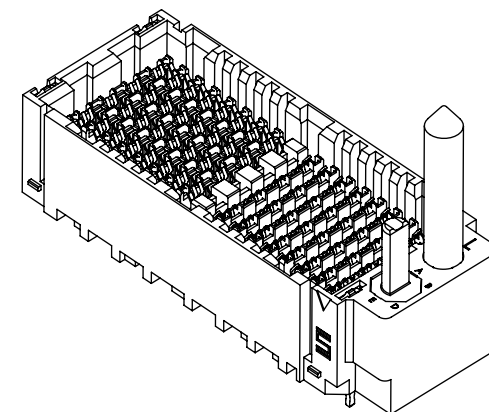
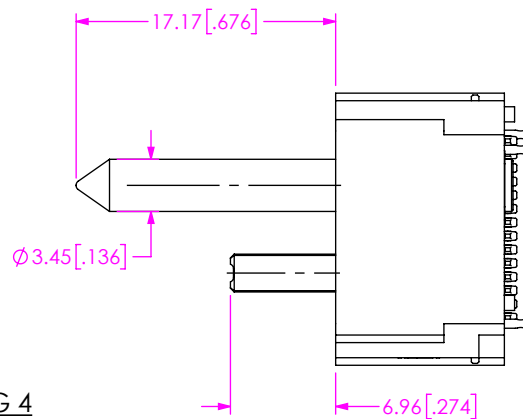


FIG 5
(SAME AS FIGS 1 & 2, EXCEPT AS SHOWN)
(NVBF-XX-16-VT-XXX-X-B-C SHOWN)

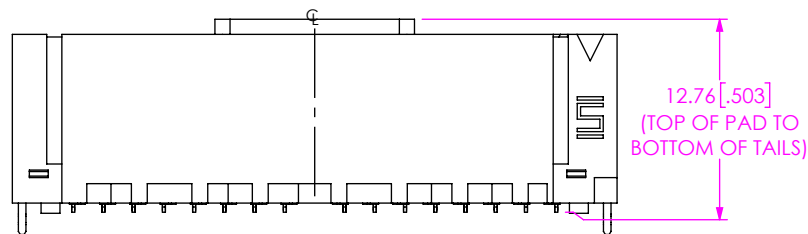
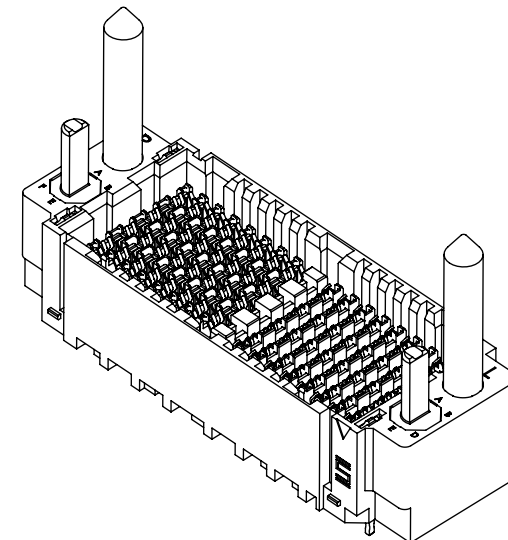
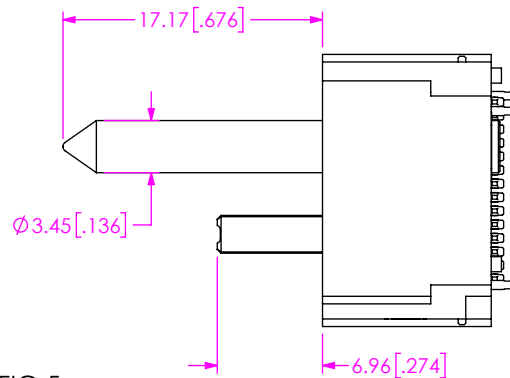
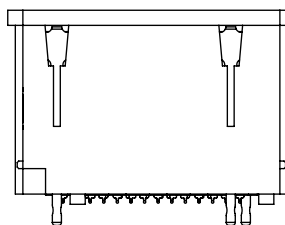


FIG 6
(NVBF-XX-16-VT-XXX-0-N SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)



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BY: ANN H 1/7/2023 SHEET 3 OF 3